Contacting BMC Software

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- Find the most current information about BMC products
- Search a database for issues similar to yours and possible solutions
- Order or download product documentation
- Download products and maintenance
- Report an issue or ask a question
- Subscribe to receive proactive e-mail alerts when new product notices are released
- Find worldwide BMC support center locations and contact information, including e-mail addresses, fax numbers, and telephone numbers

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Before contacting BMC

Have the following information available so that Customer Support can begin working on your issue immediately:

- Product information
  - Product name
  - Product version (release number)
  - License number and password (trial or permanent)
- Operating system and environment information
  - Machine type
  - Operating system type, version, and service pack or other maintenance level such as PUT or PTF
• System hardware configuration
• Serial numbers
• Related software (database, application, and communication) including type, version, and service pack or maintenance level

▪ Sequence of events leading to the issue
▪ Commands and options that you used
▪ Messages received (and the time and date that you received them)
  ▪ Product error messages
  ▪ Messages from the operating system, such as file system full
  ▪ Messages from related software

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▪ (Asia-Pacific) Contact your BMC sales representative or your local BMC office.

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Contents

About this Messages Manual .............................................................................................................. 11

A - CTA ........................................................................................................................................... 12
ACI messages .................................................................................................................................. 12
AES messages .................................................................................................................................. 15
ALI messages .................................................................................................................................. 21
ALO messages .................................................................................................................................. 22
ALU messages .................................................................................................................................. 26
APA messages .................................................................................................................................. 31
API messages .................................................................................................................................. 32
ARC messages .................................................................................................................................. 50
BAO messages .................................................................................................................................. 51
BAT messages .................................................................................................................................. 57
BCL messages .................................................................................................................................. 58
BKC messages .................................................................................................................................. 60
BKP messages .................................................................................................................................. 67
BKR messages .................................................................................................................................. 73
BLD messages .................................................................................................................................. 76
BLG messages .................................................................................................................................. 78
BLT messages .................................................................................................................................. 81
BMS messages .................................................................................................................................. 85
BNR messages .................................................................................................................................. 86
BRS messages .................................................................................................................................. 88
BSD messages .................................................................................................................................. 89
BTR messages .................................................................................................................................. 91
CAJ messages .................................................................................................................................. 95
CAL messages .................................................................................................................................. 99
CAP messages ................................................................................................................................ 100
CCU messages ................................................................................................................................ 101
CDS messages ................................................................................................................................ 108
CDT messages ................................................................................................................................ 110
CHK messages ................................................................................................................................ 110
CLH messages ................................................................................................................................ 117
CMP messages ................................................................................................................................ 124
CND messages ................................................................................................................................ 125
CNV messages ................................................................................................................................ 127
<table>
<thead>
<tr>
<th>Message Type</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM messages</td>
<td>128</td>
</tr>
<tr>
<td>CON messages</td>
<td>131</td>
</tr>
<tr>
<td>COP messages</td>
<td>134</td>
</tr>
<tr>
<td>COS messages</td>
<td>139</td>
</tr>
<tr>
<td>CPA messages</td>
<td>143</td>
</tr>
<tr>
<td>CPR messages</td>
<td>145</td>
</tr>
<tr>
<td>CPS messages</td>
<td>145</td>
</tr>
<tr>
<td>CRR messages</td>
<td>149</td>
</tr>
<tr>
<td>CRS messages</td>
<td>149</td>
</tr>
<tr>
<td>CSF messages</td>
<td>151</td>
</tr>
<tr>
<td>CTA messages</td>
<td>153</td>
</tr>
<tr>
<td>CTB - CTD messages</td>
<td>155</td>
</tr>
<tr>
<td>CTB messages</td>
<td>155</td>
</tr>
<tr>
<td>CTD messages</td>
<td>274</td>
</tr>
<tr>
<td>CTI - CTM messages</td>
<td>602</td>
</tr>
<tr>
<td>CTI messages</td>
<td>602</td>
</tr>
<tr>
<td>CTM messages</td>
<td>604</td>
</tr>
<tr>
<td>CTO - CTT messages</td>
<td>954</td>
</tr>
<tr>
<td>CTO messages</td>
<td>954</td>
</tr>
<tr>
<td>CTR messages</td>
<td>1161</td>
</tr>
<tr>
<td>CTT messages</td>
<td>1194</td>
</tr>
<tr>
<td>CTV - CVI messages</td>
<td>1374</td>
</tr>
<tr>
<td>CTV messages</td>
<td>1374</td>
</tr>
<tr>
<td>CTW messages</td>
<td>1389</td>
</tr>
<tr>
<td>CVI messages</td>
<td>1413</td>
</tr>
<tr>
<td>D - F messages</td>
<td>1415</td>
</tr>
<tr>
<td>DAS messages</td>
<td>1415</td>
</tr>
<tr>
<td>DCI messages</td>
<td>1416</td>
</tr>
<tr>
<td>DDI messages</td>
<td>1421</td>
</tr>
<tr>
<td>DDR messages</td>
<td>1425</td>
</tr>
<tr>
<td>DET messages</td>
<td>1433</td>
</tr>
<tr>
<td>DFG messages</td>
<td>1435</td>
</tr>
<tr>
<td>DFL messages</td>
<td>1437</td>
</tr>
<tr>
<td>DIB messages</td>
<td>1440</td>
</tr>
<tr>
<td>Message Type</td>
<td>Page</td>
</tr>
<tr>
<td>---------------</td>
<td>------</td>
</tr>
<tr>
<td>DIL messages</td>
<td>1445</td>
</tr>
<tr>
<td>DII messages</td>
<td>1454</td>
</tr>
<tr>
<td>DIP messages</td>
<td>1455</td>
</tr>
<tr>
<td>DIV messages</td>
<td>1464</td>
</tr>
<tr>
<td>DIX messages</td>
<td>1467</td>
</tr>
<tr>
<td>DLD messages</td>
<td>1471</td>
</tr>
<tr>
<td>DMI messages</td>
<td>1473</td>
</tr>
<tr>
<td>DSH messages</td>
<td>1474</td>
</tr>
<tr>
<td>DSM messages</td>
<td>1482</td>
</tr>
<tr>
<td>DSO messages</td>
<td>1484</td>
</tr>
<tr>
<td>DSP messages</td>
<td>1492</td>
</tr>
<tr>
<td>DUL messages</td>
<td>1494</td>
</tr>
<tr>
<td>DVB messages</td>
<td>1496</td>
</tr>
<tr>
<td>DVL messages</td>
<td>1498</td>
</tr>
<tr>
<td>DVT messages</td>
<td>1500</td>
</tr>
<tr>
<td>DWL messages</td>
<td>1507</td>
</tr>
<tr>
<td>ECA messages</td>
<td>1510</td>
</tr>
<tr>
<td>EDA messages</td>
<td>1684</td>
</tr>
<tr>
<td>EXO messages</td>
<td>1685</td>
</tr>
<tr>
<td>F34 messages</td>
<td>1699</td>
</tr>
<tr>
<td>FLW messages</td>
<td>1702</td>
</tr>
<tr>
<td>FMG messages</td>
<td>1707</td>
</tr>
<tr>
<td>FOR messages</td>
<td>1709</td>
</tr>
<tr>
<td>FRM messages</td>
<td>1711</td>
</tr>
<tr>
<td>FRS messages</td>
<td>1724</td>
</tr>
<tr>
<td>FST messages</td>
<td>1727</td>
</tr>
<tr>
<td>FTM messages</td>
<td>1729</td>
</tr>
<tr>
<td>FTO messages</td>
<td>1733</td>
</tr>
<tr>
<td>G - J</td>
<td>1736</td>
</tr>
<tr>
<td>GI X messages</td>
<td>1736</td>
</tr>
<tr>
<td>GTM messages</td>
<td>1762</td>
</tr>
<tr>
<td>GTW messages</td>
<td>1763</td>
</tr>
<tr>
<td>ILY messages</td>
<td>1768</td>
</tr>
<tr>
<td>IOA messages</td>
<td>1770</td>
</tr>
<tr>
<td>JAR messages</td>
<td>1999</td>
</tr>
<tr>
<td>J DL messages</td>
<td>2005</td>
</tr>
<tr>
<td>J DR messages</td>
<td>2009</td>
</tr>
<tr>
<td>J DS messages</td>
<td>2010</td>
</tr>
<tr>
<td>J ES messages</td>
<td>2010</td>
</tr>
</tbody>
</table>
JOB messages .......................................................................................................................... 2015
JSA messages .......................................................................................................................... 2048

K - M .................................................................................................................................. 2053
KOA messages ...................................................................................................................... 2053
KSL messages ...................................................................................................................... 2055
LDT messages ...................................................................................................................... 2063
LGC messages ...................................................................................................................... 2072
LGP messages ...................................................................................................................... 2074
LNR messages ...................................................................................................................... 2075
LOG messages ...................................................................................................................... 2080
MAN messages ...................................................................................................................... 2086
MCI messages ...................................................................................................................... 2092
MDT messages ...................................................................................................................... 2117
MIG messages ...................................................................................................................... 2124
MOF messages ...................................................................................................................... 2139
MON messages ...................................................................................................................... 2140
MPR messages ...................................................................................................................... 2153
MRG messages ...................................................................................................................... 2156
MSG messages ...................................................................................................................... 2158
MTO messages ...................................................................................................................... 2158

N - Z .................................................................................................................................. 2209
NRC messages ...................................................................................................................... 2209
NSC messages ...................................................................................................................... 2211
NTP messages ...................................................................................................................... 2211
OGR messages ...................................................................................................................... 2212
OPL messages ...................................................................................................................... 2213
OSM messages ...................................................................................................................... 2214
PAS messages ...................................................................................................................... 2216
PDA messages ...................................................................................................................... 2220
PLN messages ...................................................................................................................... 2220
PMM messages ...................................................................................................................... 2221
PMS messages ...................................................................................................................... 2225
PTS messages ...................................................................................................................... 2239
REP messages ...................................................................................................................... 2249
RFR messages ...................................................................................................................... 2269
RLR messages ...................................................................................................................... 2271
RSC messages ...................................................................................................................... 2273
WTO messages ........................................................................................................................ 2496
XAM messages ......................................................................................................................... 2506
XCF messages .......................................................................................................................... 2516
XMM messages ........................................................................................................................ 2517
XRB messages .......................................................................................................................... 2524

A - User abends ......................................................................................................................... 2527
Control-D abends ..................................................................................................................... 2527
Control-M abends ..................................................................................................................... 2528
Control-M/Tape abends ............................................................................................................ 2528
Control-O abends ..................................................................................................................... 2530

B - Control-D Transformation Messages ............................................................................. 2531
Resource error and warnings messages ..................................................................................... 2531
Xerox error and warnings messages .......................................................................................... 2537
About this Messages Manual

This manual contains all INCONTROL messages, arranged by prefix, in ascending order. The format of the message code is

\[ \text{prefix}\_\text{identifier}\_\text{suffix} \]

where

- **prefix** is a prefix used to identify the component that produced the message
  - The prefix usually consists of three or more characters.
- **identifier** is the identifier for the message
  - The identifier usually consists of three numerals.
- **suffix** is a 1-character suffix identifying the severity of the message
  - Valid suffixes are:
    - A – Action
    - E – Error
    - I – Information
    - S – Severe
    - W – Warning

Message descriptions contain the following:

- **Explanation:** Description of the cause of the message, and other related information.
- **Corrective Action:** Recommended actions to correct the problem.

When the same message code is used by more than one message or product, each message is listed separately.

Italicized text in messages and in explanatory paragraphs indicates a variable.

This manual also includes an appendix that includes abends and other types of messages for INCONTROL products.
A - CTA

This group includes messages for the Control-D (including Control-D/Image and Control-D/Page on Demand), Control-M for z/OS (including Control-M/Assist, Control-M/Links for z/OS Control-M/Rerun), Control-M/Analyzer, Control-O, and IOA (infrastructure) products.

ACI messages

This group includes messages for the Control-O product.

Messages ACIF00 through ACIFxx

This group includes messages for the Control-O product.

ACIF40I ACIF PRINTING INTERFACE STARTED

**Explanation:** This information message indicates that the Control-D ACIF Interface Facility has started for a report being processed by the Printing Mission that issued the message.

A report destined for PC file transfer that was decollated with the ACIF CDAM parameter set to YES will be converted by ACIF into AFP Category 5 data stream format.

The Printing Mission begins initialization of the ACIF Interface Facility.

**Corrective Action:** No action is required.

ACIF41I ACIF PRINTING INTERFACE COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the Control-D ACIF Interface Facility has successfully converted a report being processed by the Printing Mission that issued the message.

A report destined for PC file transfer that was decollated with the CDAM ACIF parameter set to YES was converted by ACIF into AFP Category 5 data stream format.

The Printing Mission terminates processing of the ACIF Interface Facility and completes processing of the report.

**Corrective Action:** No action is required.

ACIF42E ACIF PRINTING INTERFACE ENDED IN ERROR

**Explanation:** The Control-D ACIF Interface Facility encountered an error condition while attempting to convert a report being processed by the Printing Mission that issued the message.

This message is followed by the ACIF43E and ACIF44E messages that describe the cause of the error. The Printing Mission terminates processing of the ACIF Interface Facility and ends in error.

**Corrective Action:** Examine the ACIF43E and ACIF44E messages to determine why the Control-D ACIF Interface Facility ended in error and correct the problem accordingly.
ACIF43E CODE= err_cod, R15= reg_15, R0= reg_0, R1= reg_1

**Explanation:** The Control-D ACIF Interface Facility encountered an error condition while attempting to convert a report being processed by the Printing Mission that issued the message. This message displays the Control-D internal error code and the contents of registers 15, 0, and 1 at the time of error.

The variables in this message are:
- `err_cod` - the Control-D internal error code
- `reg_15` - the contents of register 15
- `reg_0` - the contents of register 0
- `reg_1` - the contents of register 1

The Control-D ACIF Interface Facility issues this message in combination with the ACIF44E message to describe the error and to assist in diagnosing its cause.

The Control-D ACIF Interface Facility terminates processing of the report. The Printing Mission ends in error.

**Corrective Action:** Examine the ACIF44E message for a description of the problem encountered.

ACIF44E descr

**Explanation:** The Control-D ACIF Interface Facility encountered an error condition while attempting to convert a report being processed by the Printing Mission that issued the message. This message displays a text description of the error encountered.

The Control-D ACIF Interface Facility issues this message in combination with the ACIF43E or ACIF4BE message to describe the error and to assist in diagnosing its cause.

The Control-D ACIF Interface Facility terminates processing of the report. The Printing Mission ends in error.

**Corrective Action:** Use the information displayed in this message and in the ACIF43E or ACIF4BE message to determine the cause of the error and correct the problem. If the problem persists, contact your INCONTROL administrator.

ACIF45I MAXIMUM CONCURRENT ACIF/CCI PRINTING MISSIONS ALREADY EXECUTING

**Explanation:** This information message indicates that the Control-D ACIF Interface Facility is temporarily unavailable because, within a Print monitor address space, the maximum number of Printing Missions that can concurrently use the facility has been reached.

The Control-D ACIF Interface Facility limits the total number of ACIF subtasks that can execute at the same time. This limit is defined using customization setting WD2375. The wait interval is defined using customization setting WD2377.

When the time specified in the wait interval has elapsed, the Printing Mission again tries to access the Control-D ACIF Interface Facility.

**Corrective Action:** No action is required.
ACIF46I WAITING FOR AN EXECUTING ACIF/CCIF PRINTING MISSION TO COMPLETE

Explanation: This information message indicates that the Printing Mission detected that the maximum number of ACIF subtasks permitted to execute simultaneously has been reached.

The Control-D ACIF Interface Facility limits the total number of ACIF subtasks that can execute at the same time. This limit is defined by means of customization setting WD2375. The wait interval is defined by means of customization setting WD2377.

When the time specified in the wait interval has elapsed, the Printing Mission again tries to access the Control-D ACIF Interface Facility.

Corrective Action: No action is required.

ACIF47E MAXIMUM RETRIES LIMIT TO START AN ACIF/CCIF PRINTING MISSION REACHED

Explanation: The Printing Mission failed to access the Control-D ACIF Interface Facility after making the maximum number of attempts allowed.

The Control-D ACIF Interface Facility was being used by the maximum number of ACIF subtasks allowed to execute concurrently. The Printing Mission tried to access the Control-D ACIF Interface Facility without success more than the maximum retry value specified using customization setting WD2378.

Corrective Action: Increase the maximum retry value specified using customization setting WD2378 and/or increase the wait interval value specified using customization setting WD2377. Reorder the Printing Mission. If the problem persists, contact your INCONTROL administrator.

ACIF48W ACIFPARM MEMBER memName NOT FOUND - SEARCHING FOR MEMBER $$$$DFLT

Explanation: No matching member was found in the Control-D ACIFPARM library for the report being processed by the Control-D ACIF Interface Facility.

Control-D failed to find an ACIFPARM library member memName with a name matching either the job, Printing Mission or Recipient name of the job. The member name search convention used is determined by the setting of optional wish WD2376. The default is J for job name.

Control-D will attempt to obtain default ACIF execution parameters from the ACIFPARM member $$$$DFLT.

Corrective Action: Check the setting for optional wish WD2376. Add a member to the ACIFPARM library with the appropriate name or verify that the default ACIF execution parameters in ACIFPARM member $$$$DFLT are appropriate for the report.

ACIF49W ACIF ISSUED WARNING MESSAGES - PROCESSING CONTINUES

Explanation: The Control-D ACIF Interface Facility has detected that ACIF completed processing with a noncritical return code of 4.

The Control-D ACIF Interface Facility has successfully completed converting the report to AFP Category 5 data stream format. However, a warning condition was detected by ACIF that may affect the contents of the data stream.
Corrective Action: Inspect the ACIF message output to determine the cause of the warning and whether or not its effect on the report data stream can be ignored.

ACIF4BE CTVINDEX STATEMENT SYNTAX ERROR

Explanation: The Control-D ACIF Interface Facility encountered syntax that is invalid for the CTVINDEX parameter in ACIFPARM library member.

The Control-D ACIF Interface Facility issues this message together with the ACIF44E message, which describes the error.

The Printing Mission terminates processing of the ACIF Interface Facility and ends in error.

Corrective Action: Examine the ACIF44E message for a description of the problem.

AES messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages AES100 through AES1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

AES171S BLDL/LOAD FAILED FOR MODULE "CTMLIB"

Explanation: The CTMLIB module cannot be loaded.

This error message is issued by the CTMAES or CTMJ DS utility, which performs an AutoEdit simulation that is used to test the syntax of the AutoEdit control statements. This error message is due to one of the following:

- The module does not appear in the load module search list.
- There is insufficient memory to load the program.

Submission simulation stops.

Corrective Action: Do one of the following:

- Verify whether CTMLIB appears in the IOA Load library or any other concatenated load module library of the CTMAES or CTMJ DS utility.
- Increase the region size of the CTMAES or CTMJ DS utility.

AES172S OPEN OF INPUT CARDS FILE FAILED. DDNAME "DASIM"

Explanation: Open of control statements file failed (the DD statement DASIM).

This error message is issued by the CTMAES or CTMJ DS utility, which performs an AutoEdit simulation that is used to test the syntax of the AutoEdit control statements. This error message is due to one of the following:
DD statement DASIM is missing.

The data set described by DD statement DASIM does not exist, or cannot be opened for sequential read, or the record length is not 80.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the job (or the CLIST) and run it again.

AES173S BLDL/ATTACH FOR MODULE "CTMSUB" FAILED

**Explanation:** The Control-M submission simulation utility (CTMAES or CTMJ DS) failed while loading the CTMSUB module.

The CTMSUB (Control-M submitter) module is activated as part of the simulation. The failure could be due to one of the following:

- There is insufficient memory.
- The module is not in the STEPLIB/Linklist libraries.

Program execution stops with a condition code of 08.

**Corrective Action:** Look for system messages on the job log related to the problem. Verify whether CTMSUB appears in the IOA Load library, and that the library is defined in the STEPLIB of the CTMAES or CTMJ DS utility.

AES174S CTMSUB ABENDED CODE= abCode MEMBER memName LIBRARY lib

**Explanation:** The Control-M submitter module (CTMSUB) abended with the abend code abCode while trying to submit the memName member from the lib library.

CTMSUB was called by the Control-M CTMAES or CTMJ DS utility.

Submission simulation stops with a condition code of 08.

**Corrective Action:** Check the JOBLOG for additional system messages related to the problem. If you can resolve the problem by responding to previous messages, do so. If the problem is not resolved, or seems to be with the Control-M AutoEdit submit simulation, call your INCONTROL administrator.

AES175I JOB SUBMISSION SIMULATION STARTED

**Explanation:** This information message indicates that the Control-M submission simulator has started.

The Control-M CTMAES or CTMJ DS utility produces this message.

**Corrective Action:** No action is required.

AES176I JOB SUBMISSION SIMULATION ENDED

**Explanation:** This information message indicates that the Control-M submission simulator has ended normally. The Control-M CTMAES or CTMJ DS utility produces this message.

**Corrective Action:** No action is required.
AES177I SUBMISSION SIMULATION OF MEMBER memName LIBRARY lib
STARTED

**Explanation:** This information message indicates that the submission simulation of the memName member in the lib library has started. The Control-M CTMAES or CTMJ DS utility produces this message.

**Corrective Action:** No action is required.

AES178I SUBMISSION SIMULATION OF MEMBER memName LIBRARY lib
ENDED

**Explanation:** This information message indicates that the submission simulation of the memName member in the lib library has ended normally. The Control-M CTMAES or CTMJ DS utility produces this message.

**Corrective Action:** No action is required.

AES179E MISSING PARAMETER DURING MEMBER memName

**Explanation:** A missing parameter for member submission simulation. The Control-M CTMAES or CTMJ DS utility produces this message. Submission simulation stops with a condition code of 08.

**Corrective Action:** Correct the parameters and try again.

AES180E INVALID COMMAND

**Explanation:** An invalid command or parameter was supplied to the Control-M CTMAES or CTMJ DS utility.

The invalid line appears before this message. This message precedes the AES181I message, which presents the valid commands.

The command is ignored, and processing continues.

**Corrective Action:** Use one of the valid commands specified in the AES181I message.

AES181I COMMANDS ARE: cmds

**Explanation:** This information message indicates valid commands for the Control-M CTMAES or CTMJ DS utility.

**Corrective Action:** Reissue one of the valid commands specified in the message.

AES182E INVALID SUB-COMMAND VALUE

**Explanation:** Invalid subcommand value in an AutoEdit simulation control statement.

This error message is issued by the CTMAES or CTMJ DS utility that is used to test the syntax of the AutoEdit control statements. For more details regarding command syntax, see the Control-M for z/OS User Guide.

The command is ignored, and processing continues.

**Corrective Action:** Correct the subcommand or command parameter.
AES183I TEN (10) INTERVAL UNITS PASSED

**Explanation:** This information message indicates that the AutoEdit simulation submitter task did not return control for over 10 seconds.

The AutoEdit simulation works as two tasks. As it can also be used to check the Control-M submission user exit (CTMX002), there is a chance of getting suspended if there is a bug in the exit.

**Corrective Action:** If the message continually appears, the CTMSUB task is likely to be either suspended or in a loop. You should cancel the job with a DUMP.

AES184E REDUNDANT INFORMATION IN LINE /lin

**Explanation:** There is irrelevant data in the parameters line of the CTMAES or CTMJ DS utility. The redundant data is ignored and processing continues.

**Corrective Action:** Correct the /lin line, usually columns 73 through 80, to prevent the messages from appearing.

AES187E INTERNAL ERROR PROCESSING MASKS FOR MASK mask FOR MEMBER memName

**Explanation:** The Control-M CTMAES or CTMJ DS utility failed to process a member name `memName` containing mask characters, due to an internal error.

The CTMAES or CTMJ DS utility does not perform a simulation for the requested member or members, and processing continues with the next simulation request.

**Corrective Action:** Contact your INCONTROL administrator.

AES188E MEMBER CONTROL CARD WAS NOT SPECIFIED

**Explanation:** No member name was specified in the input for the Control-M CTMAES or CTMJ DS utility. The MEMBER statement is obligatory.

The CTMAES or CTMJ DS utility does not perform a simulation for the requested member or members, and processing continues with the next simulation request.

**Corrective Action:** Correct the input and rerun the job.

AES189E JOB jobName NOT FOUND IN SCHEDULING TABLE tableName

**Explanation:** The `jobName` job that was specified in the input parameters as belonging to the `tablename` scheduling table was not found in that table.

The program terminates the current simulation request and proceeds to the next input statement.

**Corrective Action:** Correct the job name or specify a different table name.
AES190I jobName RETRIEVED FROM TABLE tableName IN SCHEDULING LIBRARY lib

**Explanation:** This information message indicates that the jobName job that was specified in the input parameters as belonging to the tableName table in the lib scheduling library was successfully retrieved from the table, and will be processed by the AutoEdit Simulation utility.

**Corrective Action:** No action is required.

**Messages AESL00 through AESLxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

AESL45S DD STATEMENT "DASIM" IS EMPTY. UTILITY TERMINATED.

**Explanation:** There are no input parameters when running the CTMJ DS or CTMAESIM utilities. The utility terminates.

**Corrective Action:** Correct the input parameters and rerun the utility.

AESL46S MANDATORY "SUBMIT" PARAMETER IS MISSING. UTILITY TERMINATED.

**Explanation:** The SUBMIT parameter is missing when running the CTMJ DS utility. The utility terminates.

**Corrective Action:** Correct the input parameters and rerun the utility.

AESL47I ‘cmd’ Control-STATEMENT FOUND - {JCL | SCHEDULING} LIBRARY MODE USED

**Explanation:** This information message indicates that the program found the cmd control statement, and based the processing mode on its type, as follows:

- If a SCHEDLIB control statement is found, the AutoEdit Simulation program uses Scheduling Library Mode, in which the statements SCHEDLIB, TABLE, and JOB are valid.
- If a LIBRARY or MEMBER control statement is found, the AutoEdit Simulation program uses JCL Library Mode, in which the statements LIBRARY and MEMBER are valid.
- The two modes cannot be mixed in the same input stream.

**Corrective Action:** No action is required.

AESL48E Control-STATEMENT INVALID FOR CURRENT MODE. STATEMENT IGNORED

**Explanation:** The program found a control statement which did not match the processing mode currently used.

Valid statements are:
in Scheduling Library Mode, SCHEDLIB, TABLE, and JOB statements

in JCL Library Mode, LIBRARY and MEMBER statements

The two modes cannot be mixed in the same input stream.

The program terminates the current simulation request and proceeds to the next input statement.

Corrective Action: Correct the control statement and rerun the job.

AESL49E SCHEDLIB Control-STATEMENT NOT SPECIFIED OR INVALID

Explanation: A SCHEDLIB control statement was not specified in Scheduling Library Mode, or the control statement specified was rejected because of an error. In Scheduling Library Mode, the SCHEDLIB, TABLE, and JOB statements are required.

The program terminates the current simulation request and proceeds to the next input statement.

Corrective Action: Add the missing control statement and rerun the job.

AESL50E TABLE Control-STATEMENT NOT SPECIFIED OR INVALID

Explanation: A TABLE control statement was not specified in Scheduling Library Mode, or the control statement specified was rejected because of an error. In Scheduling Library Mode, the SCHEDLIB, TABLE, and JOB statements are required.

The program terminates the current simulation request and proceeds to the next input statement.

Corrective Action: Add the missing control statement and rerun the job.

AESL51E JOB Control-STATEMENT NOT SPECIFIED OR INVALID

Explanation: A JOB control statement was not specified in Scheduling Library Mode, or the control statement specified was rejected because of an error. In Scheduling Library Mode, the SCHEDLIB, TABLE, and JOB statements are required.

The program terminates the current simulation request and proceeds to the next input statement.

Corrective Action: Add the missing control statement and rerun the job.

AESL52I jobName NOT FOUND IN OVERLIB LIBRARY - MEMLIB LIBRARY WILL BE USED

Explanation: This information message indicates that the jobName job that was designated by the user was not found in the library specified in the OVERLIB job scheduling definition field.

The library specified in the MEMLIB field is accessed instead.

Corrective Action: No action is required.

AESL53I jobName RETRIEVED FROM MEMLIB/OVERLIB LIBRARY lib

Explanation: This information message indicates that the library that contained the job that was to be processed by the AutoEdit Simulation utility was retrieved.

The variables in this message are:
• `jobName` - the job that was to be processed by the AutoEdit simulation utility
• `lib` - the library that contained the `jobName` job

**Corrective Action:** No action is required.

AESL54I OWNER `owner` RETRIEVED FROM JOB SCHEDULING DEFINITION `jobName`

**Explanation:** This information message indicates that the owner ID to be used by the AutoEdit Simulation utility was retrieved from the job scheduling definition.

The variables in this message are:
• `owner` - the owner ID to be used by the AutoEdit simulation utility
• `jobName` - the identity of the job scheduling definition from which `owner` was retrieved.

**Corrective Action:** No action is required.

AESL55I APPLICATION `applId` RETRIEVED FROM SCHEDULE DEFINITION `jobName`

**Explanation:** This information message indicates the application ID to be used by the AutoEdit Simulation utility was retrieved from the schedule definition.

The variables in this message are:
• `applId` - the identity of the application to be used by the AutoEdit simulation utility
• `jobName` - the identity of the job scheduling definition from which `applId` was retrieved.

**Corrective Action:** No action is required.

**ALI messages**

This group includes messages for the Control-O product.

**Messages ALI 300 through ALI 3xx**

This group includes messages for the Control-O product.

ALI 360S AUTOMATION LOG DYNAMIC ALLOCATION ERROR `rc/rsn/dsn`

**Explanation:** SVC 99 failed during allocation or deallocation of the Automation Log file. The CTOALI program uses SVC 99 to dynamically allocate and deallocate the Automation Log file.

For explanations of the return code (`rc`) and reason code (`rsn`) displayed as part of this message, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

The CTOALI program ends with a return code of 08.

**Corrective Action:** No action is required.
ALI361S ERROR WHILE LOADING MODULE IDCAMS

Explanation: Loading of the IDCAMS module failed. The CTOALI program failed to link to IDCAMS to define a VSAM linear data set.

The CTOALI program ends with a return code of 08.

Corrective Action: Determine why the IDCAMS module cannot be loaded from STEPLIB or LINKLST, correct the problem, and resubmit the job.

ALI362S INVALID PARAMETERS PASSED TO THE PROGRAM

Explanation: The CTOALI program was called with invalid parameters, either using the PARM parameter in the JCL, or using the program that called the CTOALI program.

The CTOALI program ends with a return code of 08.

Corrective Action: Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.

ALI363S NO PARAMETERS PASSED TO THE PROGRAM

Explanation: The CTOALI program was called with null parameters, either using the PARM parameter in the JCL, or using the program that called the CTOALI program.

The CTOALI program ends with a return code of 08.

Corrective Action: Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.

ALI364S ERRORS IN IDCAMS PROCESSING

Explanation: The IDCAMS module ended with a non-zero return code. The CTOALI program links to IDCAMS to define VSAM linear data sets.

The CTOALI program ends with a return code of 08.

Corrective Action: Check the job printout to see why IDCAMS did not end successfully. It may be necessary to edit the DIVSKEL member in the INSTWORK library to change the MODELM statements of the IDCAMS SYSIN. Correct and resubmit the job.

ALI365S VOLUME PARAMETER MUST BE SPECIFIED FOR DIV DATASETS

Explanation: The volume was not specified for a VSAM linear data set.

The CTOALI program ends with a return code of 08.

Corrective Action: Specify a volume and resubmit the job.

ALO messages

This group includes messages for the Control-O CMEM product.
Messages ALO200 through ALO2xx

This group includes messages for the Control-O CMEM product.

ALO290I {CONTROL-O | CTMCMEM} AUTOMATION LOG STARTED

**Explanation:** This information message indicates that the Automation Log subtask began.

**Corrective Action:** No action is required.

ALO291E AUTOMATION LOG ERROR WHILE PROCESSING REQUESTS

**Explanation:** The Automation Log subtask detected an error while processing requests.

The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

**Corrective Action:** Contact your INCONTROL administrator.

ALO292S {CONTROL-O | CTMCMEM} AUTOMATION LOG TERMINATION ERROR

**Explanation:** The Automation Log subtask terminated after an error was detected.

The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

**Corrective Action:** Contact your INCONTROL administrator.

ALO293I CONTROL-O AUTOMATION LOG ENDED

**Explanation:** This information message indicates that the Automation Log subtask terminated successfully.

The subtask and the monitor shut down.

**Corrective Action:** No action is required.

ALO294E OPEN OF AUTOMATION LOG FAILED. LOG SWAPPED

**Explanation:** The Automation Log subtask attempted to open the Automation Log file but failed.

Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

**Corrective Action:** Do the following:

- Check the CTOPARM member in the Control-O installation library.
- Check to see if the Automation Log file exists for this CPU.

ALO295S OPEN OF DAACTLOG FAILED

**Explanation:** The Automation Log subtask failed to open the file referenced by the DAACTLOG DD statement.
The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

**Corrective Action:** Check the JCL of your Control-O or CMEM starting procedure to verify that the DD statement DAACTLOG exists. If the problem is not resolved, contact your INCONTROL administrator.

**ALO296E** ERROR DETECTED DURING ADDF. LOG SWAPPED

**Explanation:** The Automation Log subtask was unable to write to the Automation Log file.

Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

**Corrective Action:** Contact your INCONTROL administrator.

**ALO297I** AUTOMATION LOG STATUS CHANGE COMPLETED

**Explanation:** This information message indicates that the Automation Log subtask completed the change of Automation Log status.

This message is displayed in response to the operator command `F CONTROLO,AUTOLOG=YES/NO`.

The Automation Log subtask writes to the new destination.

**Corrective Action:** No action is required.

**ALO298E** ERROR DETECTED DURING ENQ. LOG SWAPPED

**Explanation:** The Automation Log subtask detected an error while trying to ENQUEUE the Automation Log file.

Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

**Corrective Action:** Contact your INCONTROL administrator.

**ALO299E** ERROR DETECTED DURING DEQ. LOG SWAPPED

**Explanation:** The Automation Log subtask detected an error while trying to dequeue the Automation Log file.

Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

**Corrective Action:** Contact your INCONTROL administrator.

**Messages ALO300 through ALO3xx**

This group includes messages for the Control-O CMEM product.

**ALO303S** {CONTROL-O | CTMCMEM} AUTOMATION LOG INITIALIZATION ERROR

**Explanation:** The Automation Log subtask detected an error while initializing.
The subtask and the Control-O or CMEM monitor shuts down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

**Corrective Action:** Contact your INCONTROL administrator.

ALO304S CONTROL-O AUTOMATION LOG SWAPPING ERROR

**Explanation:** The Automation Log subtask detected a problem when swapping the log.

If the subtask handled the problem, Control-O continues to work as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

If the subtask could not handle the problem, the subtask and the monitor may shut down. Before shutting down, the Control-O monitor attempts to start a new Control-O monitor to replace itself. If it does not succeed after a few attempts, Control-O ceases trying.

**Corrective Action:** Contact your INCONTROL administrator.

ALO305S {CONTROL-O | CTMCMEM} AUTOM. LOG SEVERE ERROR ID= *err*

**Explanation:** The Automation Log subtask detected an internal logic problem.

In this message, *err* is the identifying number of the error.

The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

**Corrective Action:** Report the value of *err* to your INCONTROL administrator.

ALO306S ERROR DETECTED DURING LOGGING

**Explanation:** The Automation Log subtask detected an internal error while logging a record.

The subtask continues to work, but some records may be lost from the Automation Log.

**Corrective Action:** Contact your INCONTROL administrator.

ALO307E PROBLEMS WITH WRITEF. LOG SWAPPED

**Explanation:** The Automation Log subtask detected a problem while trying to commit changes in the Automation Log file.

Control-O continues to work as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

**Corrective Action:** Contact your INCONTROL administrator.

ALO308E AUTOMATION LOG I/O ERROR. RC = *rc*

**Explanation:** The Automation Log subtask detected an I/O error while trying to perform an operation on the Automation Log file.

In this message, *rc* is the return code generated by the error.
If the subtask handled the problem, Control-O continues to work as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

If the subtask cannot handle the problem, the subtask and the monitor may shut down. Before shutting down, the Control-O monitor attempts to start a new Control-O monitor to replace itself. If it does not succeed after a few attempts, Control-O ceases trying.

**Corrective Action:** Check operating system messages detailing the return code (rc) and the cause of the error, for example, disk failure, incorrect data set, or incorrect name or allocation parameters. Correct the cause of the error accordingly.

**ALU messages**

This group includes messages for the Control-O product.

**Messages ALU300 through ALU3xx**

This group includes messages for the Control-O product.

**ALU370I COPY OF CONTROL-O AUTOMATION LOG STARTED**

**Explanation:** This information message indicates that the CTOALOCP utility has begun copying the Automation Log file.

**Corrective Action:** No action is required.

**ALU371I COPY OF CONTROL-O AUTOMATION LOG ENDED**

**Explanation:** This information message indicates that the CTOALOCP utility has successfully completed copying the Automation Log file.

**Corrective Action:** No action is required.

**ALU372S COPY OF CONTROL-O LOG ENDED WITH ERRORS**

**Explanation:** The CTOALOCP utility abended. This message follows a message describing the cause of the error detected.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** The previous message identifies the cause of the error. Correct the problem, and resubmit the job.

**ALU373S ERROR OPENING SOURCE FILE**

**Explanation:** The CTOALOCP utility was unable to open the source Automation Log file.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Check and correct the JCL. If the source file is a sequential file, ensure that the DASOURCE DD name is specified.
ALU374S ERROR OPENING TARGET FILE

Explanation: The CTOALOCP utility was unable to open the target Automation Log file because it received a non-zero return code while opening the target file.

The CTOALOCP utility ends with a return code of 08.

Corrective Action: Check and correct the JCL. If the target file is a sequential file, ensure that the DATARGET DD name was specified.

ALU375S NON-ZERO RETURN CODE RECEIVED: "pgm"

Explanation: The CTOALOCP utility received a non-zero return code from the program whose name (pgm) appears in the text of the message. The CTOALOCP utility calls other programs to perform various tasks.

The CTOALOCP utility ends with a return code of 08.

Corrective Action: Check and correct the JCL. Check the job printouts for relevant messages about the problem.

ALU376S INVALID TIME

Explanation: An invalid TIME parameter was specified for CTOALOCP utility.

The CTOALOCP utility ends with a return code of 08.

Corrective Action: Check and correct the STARTTIME and ENDTIME parameters. Resubmit the job.

ALU377S INVALID DATASET NAME

Explanation: An invalid data set name was specified for the CTOALOCP utility.

The CTOALOCP utility ends with a return code of 08.

Corrective Action: Check and correct the FROMDSN and TODSN parameters. Resubmit the job.

ALU378S INVALID FILE TYPE

Explanation: An invalid data set type was specified for the CTOALOCP utility.

The CTOALOCP utility ends with a return code of 08.

Corrective Action: Check and correct the FROMTYPE and TOTYPE parameters. Resubmit the job.

ALU379S INVALID VOLUME

Explanation: An invalid volume was specified for the CTOALOCP utility.

The CTOALOCP utility ends with a return code of 08.

Corrective Action: Correct the TOVOLUME parameter and resubmit the job.

ALU380S INVALID UNIT

Explanation: An invalid unit was specified for the CTOALOCP utility.

The CTOALOCP utility ends with a return code of 08.
**Corrective Action:** Specify a valid value for the **TOUNIT** parameter and resubmit the job.

**ALU381S** SOURCE AND TARGET CANNOT BOTH BE SEQUENTIAL

**Explanation:** Type S (Sequential) files were specified for both the source and the target Automation Log files.

At least one of the files must be nonsequential.

The **CTOALOCP** utility ends with a return code of 08.

**Corrective Action:** Specify a nonsequential file for the source file, or the target file, or both. Resubmit the job.

**ALU382S** VOLUME IS REQUIRED WHEN DIV LOG IS USED

**Explanation:** No value was specified for the **TOVOLUME** parameter.

This parameter must be specified for a VSAM linear data set definition.

The **CTOAL** program ends with a return code of 08.

**Corrective Action:** Specify a valid value for the **TOVOLUME** parameter and resubmit the job.

**ALU383S** INVALID NUMBER OF RECORDS

**Explanation:** An invalid number of records was specified in the **TORECNUM** parameter.

The **CTOALOCP** utility ends with a return code of 08.

**Corrective Action:** Specify a valid number of records for the **TORECNUMV** parameter and resubmit the job.

**ALU384S** AUTOM. LOG SEQ. DYNAMIC ALLOCATION ERROR **rc/rsn/dsn**

**Explanation:** Dynamic allocation (SVC 99) of a sequential Automation Log file failed. The **CTOALOCP** utility uses SVC 99 to dynamically allocate and deallocate the **dsn** file, which is a sequential source or target Automation Log file.

For explanations of the return code (**rc**) and reason code (**rsn**) displayed as part of this message, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

The **CTOALOCP** utility ends with a return code of 08.

**Corrective Action:** Examine the return and reason codes and take appropriate corrective action.

**ALU385S** ERROR READING RECORD 0 FROM SOURCE FILE

**Explanation:** The **CTOALOCP** utility detected an internal error while reading record 0 from the source Automation Log file. The **CTOALOCP** utility reads source file attributes (for example, number of records) from source data set record 0.

The **CTOALOCP** utility ends with a return code of 08.

**Corrective Action:** Contact your **INCONTROL** administrator.
ALU3865 MINIMAL IS NOT ALLOWED WITH SEQUENTIAL FILE

**Explanation:** The MINIMAL parameter was specified for a copy operation using sequential files. The MINIMAL parameter is only allowed when source and target files are both nonsequential.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Do one of the following:
- Remove the MINIMAL parameter.
- Designate nonsequential source and target files.

ALU3875 TARGET DATASET NAME IS MANDATORY

**Explanation:** No data set name was specified for the target Automation Log file. The data set name must be specified when copying a file to a nonsequential data set.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Specify a valid value for the TODSN parameter and resubmit the job.

ALU3885 ERROR READING THE SOURCE FILE

**Explanation:** The CTOALOCP utility detected an internal error while reading the source Automation Log file.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Contact your INCONTROL administrator.

ALU3895 ERROR WRITING THE TARGET FILE

**Explanation:** The CTOALU program detected an internal error while writing the target Automation Log file.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Contact your INCONTROL administrator.

Messages ALU400 through ALU4xx

This group includes messages for the Control-O product.

ALU4015 ERROR DURING WRITEF

**Explanation:** The CTOALOCP utility detected an internal error while writing the target Automation Log file.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Contact your INCONTROL administrator.

ALU4025 SOURCE AND TARGET DSN CANNOT BE THE SAME

**Explanation:** The same data set name was specified for both the source and the target Automation Log files. Source and target files must have different data set names.
The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Specify valid data set names and resubmit the job.

**ALU403S MINIMAL ALLOCATION REQUIRES DATE/TIME LIMIT**

**Explanation:** The MINIMAL parameter was specified without a DATE/TIME limit. Values must be specified for at least the STARTDATE and ENDDATE parameters. The format for these parameters is yymmdd.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Specify valid values for the STARTDATE and ENDDATE parameters and resubmit the job.

**ALU404S FROM TIME LIMIT REQUIRES FROM DATE LIMIT**

**Explanation:** A DATE limit was not specified. When a copy operation is set to start at a specific time, the date must also be specified.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Specify a valid DATE limit and resubmit the job.

**ALU405S TO TIME LIMIT REQUIRES TO DATE LIMIT**

**Explanation:** A TODATE limit was not specified. When a copy operation is set to end at a specific time, the date must also be specified.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Specify a valid value for the TODATE parameter and resubmit the job.

**ALU406S NO RECORDS FOUND BETWEEN DATE/TIME LIMITS**

**Explanation:** No records were found within the specified DATE or TIME limits (or both) set for the copy operation.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Check the DATE and TIME limits specified in the JCL. Correct them and resubmit the job if necessary.

**ALU407S DATE LIMITS ARE EQUAL. TIME IS INCORRECT**

**Explanation:** The specified TIME limits are incompatible with the specified DATE limits. When you specify a copy operation starting and ending on the same day, the ending time must be later than the starting time.

The CTOALOCP utility ends with a return code of 08.

**Corrective Action:** Correct the values for the STARTDATE, STARTTIME, ENDDATE, and ENDTIME parameters. Resubmit the job.
APA messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages APAF00 through APAFxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

APAF20I COPYING APAPARM LI BRARY TO LI BRARY WITH RECFM VARIABLE STARTED

**Explanation:** This information message indicates that the CTDCNVAP utility started copying the APAPARM library to a library with variable RECFM.

**Corrective Action:** No action is required.

APAF21I COPYING APAPARM LI BRARY TO LI BRARY WITH RECFM VARIABLE ENDED OK

**Explanation:** This information message indicates that the CTDCNVAP utility successfully finished copying the APAPARM library to a library with variable RECFM.

**Corrective Action:** No action is required.

APAF22S COPYING APAPARM LI BRARY TO LI BRARY WITH RECFM VARIABLE ENDED WITH ERRORS

**Explanation:** When attempting to copy the APAPARM library to a library with variable RECFM, the CTDCNVAP utility ended with errors.

**Corrective Action:** Notify your INCONTROL administrator.

APAF23I MEMBER *memName* IS TRANSFERRED TO VARIABLE BLOCKED LI BRARY

**Explanation:** This information message indicates that the CTDCNVAP utility copied the *memName* member from the APAPARM library to a library with variable RECFM.

**Corrective Action:** No action is required.

APAF24S UNABLE TO READ DIRECTORY. INSUFFICIENT STORAGE

**Explanation:** The CTDCNVAP utility could not copy the APAPARM library to a library with variable RECFM because of insufficient storage.

**Corrective Action:** Notify your INCONTROL administrator.
APAF26S UNABLE TO READ A MEMBER FROM THE APAPARM LIBRARY

**Explanation:** Due to an internal error while attempting a read operation, the CTDCNVAP utility could not copy a member from the APAPARM library to a library with variable RECFM.

**Corrective Action:** Notify your INCONTROL administrator.

APAF27S UNABLE TO PUT A MEMBER TO THE NEW APAPARM LIBRARY

**Explanation:** Due to an internal error while attempting a write operation, the CTDCNVAP utility could not copy a member from the APAPARM library to a library with variable RECFM.

**Corrective Action:** Notify your INCONTROL administrator.

APAF28S INPUT APAPARM LIBRARY IS EMPTY

**Explanation:** The CTDCNVAP utility could not copy a member from the APAPARM library to a library with variable RECFM because the input library is empty.

**Corrective Action:** Notify your INCONTROL administrator.

API messages

This group includes messages for the Control-O product.

Messages API0 through API0xx

This group includes messages for the Control-O product.

API000E PRINT FILE OPEN FAILED

**Explanation:** The print file cannot be opened. IOAAPI continues to run, but no messages are printed.

**Corrective Action:** Find and correct the error. Usually, a DD statement is missing.

API001I IOA API STARTED

**Explanation:** This information message indicates that the IOAAPI program has started.

**Corrective Action:** No action is required.

API002I IOA API ENDED

**Explanation:** This information message indicates that the IOAAPI program has ended.

**Corrective Action:** No action is required.

API003I REQ= requestText

**Explanation:** This information message shows the text of the request (requestText) as passed to IOAAPI.

The message will be processed.
Corrective Action: No action is required.

API 004I RC= rc
Explanation: This information message shows the return code (rc) issued on processing the request.
Corrective Action: No action is required.

API 005E STOPPED ON ERROR
Explanation: The IOAAPi program stopped running because a return code was issued indicating an error. The error code is shown in the API 004I message.
Corrective Action: Correct the error and run IOAAPi again.

API 006I CONDITION IS {TRUE | FALSE}
Explanation: This message is issued after the THEN or ELSE part of an IF statement. It shows whether the condition value is TRUE, in which case the requests are honored, or FALSE, in which case the requests are ignored.
Corrective Action: No action is required.

API 007E ERROR IN "IF" STATEMENT
Explanation: There is an error in an IF statement. The IOAAPi program stopped.
Corrective Action: Correct the error and run IOAAPi again.

API 008E SERVICE_TYPE NOT RECOGNISED serviceType
Explanation: The service type requested is not recognized. The recognized service types are COND, MAIL and LOG.
In this message, serviceType is the unrecognized service type.
Corrective Action: Correct the error and run IOAAPi again.

API 010E xxxx SERVICE IS NOT SUPPORTED AS xxxx
Explanation: The MAIL and LOG services can only be used in batch or API runs.
Corrective Action: Correct the error and run IOAAPi again.

Messages API 500 through API 5xx
This group includes messages for the Control-O product.

API 560I ENVIRONMENT INITIALIZATION COMPLETE
Explanation: This information message is issued when the Control-O API first connects with the Control-O or CMEM monitor and completes the initialization process.
Corrective Action: No user action is required.
API 561E REQUESTED FUNCTION NOT SUPPORTED

**Explanation:** The requested function is not in the list of supported Control-O API functions. The Control-O API returns a return code of 08 to the calling routine. The final System Action depends on the calling environment.

**Corrective Action:** Check the syntax and spelling of the requested function. If necessary, contact your INCONTROL administrator.

API 563E IOA SUBSYSTEM subsys INACTIVE. INTERFACE CANNOT BE USED

**Explanation:** A request has been received through the Control-O API that needs the Control-O or CMEM monitor, but Control-O or CMEM is not active. The requested activity is aborted.

**Corrective Action:** Check why Control-O or CMEM is not active. Once the Control-O or CMEM monitor is active again, re-issue the request.

API 565E SETOLOC/SETOGLB ERROR CODE= rc REASON= rsn, TEXT= text

**Explanation:** The Control-O API is unable to execute the AutoEdit request. The API detected an error while trying to resolve or set an AutoEdit expression. The Control-O API returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

**Corrective Action:** Ensure that the AutoEdit expression in the SETOLOC, SETOGLB or RESOLVE functions is correctly written.

The following table shows possible values for the error code (rc) and reason code (rsn), with the explanation of each:

<table>
<thead>
<tr>
<th>Error Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td></td>
<td>GETMAIN or FREEMAIN error</td>
</tr>
<tr>
<td>1 through 6</td>
<td></td>
<td>GETMAIN failure</td>
</tr>
<tr>
<td>7 through 10</td>
<td></td>
<td>FREEMAIN failure</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Variable not found</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Variable not found and RESOLVE flag is on.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>%%$COMMSYS value length error.</td>
</tr>
<tr>
<td>68</td>
<td></td>
<td>%%$TIMEINT first argument is not a valid date.</td>
</tr>
<tr>
<td>69</td>
<td></td>
<td>%%$TIMEINT second argument is not a valid date.</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>%%$X2C argument length is greater than 4.</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>88</td>
<td></td>
<td>%%$DOLIMIT first argument is not numeric.</td>
</tr>
<tr>
<td>89</td>
<td></td>
<td>%%$RULE functions argument is out of rule stack.</td>
</tr>
<tr>
<td>90</td>
<td></td>
<td>%%$RULE functions argument is not numeric.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Global variable pool not found.</td>
</tr>
<tr>
<td>980</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>982</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Syntax error or general error</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Empty SET command.</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Empty IF command.</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>%%% not found in SET command.</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td>Separator not found after %%%.</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td>‘=’ not found in SET command.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>%%$TIMEOUT value not numeric.</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>%%$RESPMSG or %%$TIMEOUT - invalid parentheses.</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>%%$RESPMSG or %%$TIMEOUT - too many values.</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>%%$WAITKSL or %%$TSO or %%$CMD - invalid value (not YES/NO).</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>%%$TIMEOUT - value too large.</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>%%$STATID value length error.</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>%%$AUTOLOG value length error.</td>
</tr>
<tr>
<td>37</td>
<td></td>
<td>%%$AUTOSYS value length error.</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Function arguments not separated.</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Too few function arguments.</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>45</td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%%$CTMLINE# to a non-numeric value.</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%%$CTMLINE# to a value greater than %%%$CTMLINES.</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>CTMLINE# &lt; 0 when trying to set %%%CTMLINE# to a value less than 0.</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>%%%$SUBSTR 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>%%%$SUBSTR 3rd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>%%%$SUBSTR 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>%%%$SUBSTR 3rd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>%%%$RESOLVE argument not recognized.</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE 1st argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE 1st argument out of range.</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE is too narrow.</td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE 1st argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE 2nd argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT 1st argument is not 11 digits in length.</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT 1st argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT 2nd argument is not 11 digits.</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT 2nd argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>More than one operator in one line.</td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>Less than two operands for an operator.</td>
<td></td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>More than two operands for an operator.</td>
</tr>
<tr>
<td>75</td>
<td></td>
<td>%%$D2X argument length is greater than 10.</td>
</tr>
<tr>
<td>76</td>
<td></td>
<td>%%$D2X argument is not numeric.</td>
</tr>
<tr>
<td>77</td>
<td></td>
<td>%%$D2X argument number is greater than 2147483647 (2G).</td>
</tr>
<tr>
<td>78</td>
<td></td>
<td>%%$X2D argument length is greater than 8.</td>
</tr>
<tr>
<td>79</td>
<td></td>
<td>%%$X2D argument has an invalid character.</td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>First operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Second operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>83</td>
<td></td>
<td>%%$DIV 2nd operand is 0.</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G.</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G.</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of %%$PLUS case overflow.</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of %%$MINUS case overflow.</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric.</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%$GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Errors reading the global member</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Errors writing the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Program buffers shortage</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Not enough space in RSL buffer.</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Arguments too long (ARG buffer overflow).</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program errors</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>No last non-blank for non-blank value in SET command.</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%%$IPLDATE for date formatting WO0816*.</td>
</tr>
<tr>
<td>36, 40, 44</td>
<td></td>
<td>Global variables errors</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range.</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Parse errors</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid type.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Place holder error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Position specification too long.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Non numeric.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Position null.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Section vector overflow.</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Variable buffer overflow.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
</tbody>
</table>

**API 566E IOA SUBSYSTEM **`subsys` **NOT RESPONDING TO REQUESTS**

**Explanation:** The IOA subsystem `subsys` did not terminate rule execution within the expected time frame. The XAM requester, or the Control-O API, waits up to two minutes for the termination of the rule through a DORULE request.

The XAM interface, or the Control-O API, returns a return code of 16 to the calling routine. The final system action depends on the calling environment.

**Corrective Action:** Review the rule execution results for errors and rectify as appropriate.
API 567E IOA SUBSYSTEM subsys INACTIVE

**Explanation:** The requested service cannot be provided because the subsys IOA subsystem is not up.
The Control-O API returns a return code of 16 to the calling routine. The final system action depends on the calling environment.

**Corrective Action:** Start the Control-O or CMEM monitor.

---

API 568E IOA SUBSYSTEM subsys DETECTED AN ERROR

**Explanation:** An internal error was detected by the subsys IOA subsystem during the execution of a Control-O API request.
The Control-O API returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

**Corrective Action:** Do the following:
1. Check the Control-O or CMEM JOBLOG or SYSLOG for error messages.
2. Collect information about the functions requested by the Control-O API.
3. Determine whether or not the Control-O monitor is properly running for ongoing automation which is not related to the Control-O API.

---

API 569E IOA SUBSYSTEM subsys RETURNED AN INVALID RETURN CODE

**Explanation:** Due to an internal error, an invalid return code was returned by the subsys subsystem during the execution of a request issued through the Control-O API.
The Control-O API returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

**Corrective Action:** Do the following:
1. Collect information about the functions requested by the Control-O API.
2. Determine whether or not the Control-O or CMEM monitor is properly running for ongoing automation which is not related to the Control-O API.

---

API 56AE ERROR IN INAREA FIELDS ADDR= add1, add2 LENGTH len DATA= data_val

**Explanation:** This diagnostic error message appears when an error has occurred while calling an AutoEdit variable service.
The system action is aborted.

**Corrective Action:** Contact your INCONTROL administrator.
API 56BE ERROR IN RESULT FIELDS ADDR= add, LENGTH len DATA= data_val

**Explanation:** This diagnostic error message appears when an error has occurred while calling an AutoEdit variable service.

The system action is aborted.

**Corrective Action:** Contact your INCONTROL administrator.

API 56CE INAREA LENGTH+RESULT= xxxx+ xxxx= xxxx > 255

**Explanation:** This diagnostic error message appears when an error has occurred while calling an AutoEdit variable service.

The system action is aborted.

**Corrective Action:** Contact your INCONTROL administrator.

API 56EE CHECKPOINT GLOBAL VARIABLE DATABASE ioavar TIMED OUT AFTER num SECONDS

**Explanation:** CHECKPOINT was requested in order to save disk changes made in memory to the ioavar variable database. A timeout occurred while the request was being processed.

The CHECKPOINT request is terminated before completion. However, the changes made to the ioavar database are retained in memory, and a subsequent CHECKPOINT request will write them to disk.

**Corrective Action:** No user action is required.

API 56FE CHECKPOINT GLOBAL VARIABLE DATABASE ioavar ENDED WITH ERROR. RC=16

**Explanation:** CHECKPOINT was requested in order to save disk changes made in memory to the ioavar variable database. An error occurred while the request was being processed.

The CHECKPOINT request is terminated before completion. However, the changes made to the ioavar database are retained in memory, and a subsequent CHECKPOINT request will write them to disk.

**Corrective Action:** No user action is required.

API 570I INITIALIZATION ENVIRONMENT COMPLETED

**Explanation:** This information message indicates that Control-O API initialization finished.

**Corrective Action:** No user action is required.

API 573E IOA SUBSYSTEM subsys INACTIVE. INTERFACE CANNOT BE USED

**Explanation:** A request that requires the Control-O or CMEM monitor was issued through Control-O API, but the monitor is not active.

The action is aborted.

**Corrective Action:** Activate the Control-O or CMEM monitor, and reissue the request.
API 575E SETOLOC/SETOGLB ERROR CODE = rc REASON = rsn, TEXT = text

**Explanation:** A request to set a local or global variable failed. The action is aborted.

**Corrective Action:** Check the return code (rc) and reason code (rsn) in the following tables to determine the reason for the failure. Correct the symbol in the rule definition, and reorder the table. If the return code or reason code is not listed, the error is an internal error, and you should notify BMC Software Customer Support.

<table>
<thead>
<tr>
<th>Error Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td></td>
<td>GETMAIN or FREEMAIN error.</td>
</tr>
<tr>
<td>1 through 6</td>
<td></td>
<td>GETMAIN failure</td>
</tr>
<tr>
<td>7 through 10</td>
<td></td>
<td>FREEMAIN failure</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Variable not found.</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Variable not found and RESOLVE flag is on</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>%%COMMSYS value length error</td>
</tr>
<tr>
<td>68</td>
<td></td>
<td>%%TIMEINT first argument is not a valid date</td>
</tr>
<tr>
<td>69</td>
<td></td>
<td>%%TIMEINT second argument is not a valid date</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>%%X2C argument length is greater than 4</td>
</tr>
<tr>
<td>88</td>
<td></td>
<td>%%DOLIMIT first argument is not numeric</td>
</tr>
<tr>
<td>89</td>
<td></td>
<td>%%RULE functions argument is out of rule stack</td>
</tr>
<tr>
<td>90</td>
<td></td>
<td>%%RULE functions argument is not numeric</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Global variable pool not found</td>
</tr>
<tr>
<td>980</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>982</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Syntax error or General error.</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Empty SET command</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Empty IF command</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>%%% not found in SET command</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td>Separator not found after %%</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td>‘=’ not found in SET command</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>%%%$TIMEOUT value not numeric</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>%%%$RESPMSG/%%TIMEOUT - invalid parentheses</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>%%%$RESPMSG/%%TIMEOUT - too ?pmany values</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>%%$WAITKSL/TSO/CMD - invalid value (not YES/NO)</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>%%TIMEOUT - value too large</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>%%STATID value length error</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>%%AUTOLOG value length error</td>
</tr>
<tr>
<td>37</td>
<td></td>
<td>%%AUTOSYS value length error</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Function arguments not separated</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Too few function arguments</td>
</tr>
<tr>
<td>45</td>
<td></td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%CTMLINE# to a non-numeric value</td>
</tr>
<tr>
<td>46</td>
<td></td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%CTMLINE# to a value greater than %%CTMLINES</td>
</tr>
<tr>
<td>47</td>
<td></td>
<td>CTMLINE# &lt; 0 when trying to set %%CTMLINE# to a value less than 0</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>%%$SUBSTR 2nd argument not numeric</td>
</tr>
<tr>
<td>53</td>
<td></td>
<td>%%$SUBSTR 3rd argument not numeric</td>
</tr>
<tr>
<td>54</td>
<td></td>
<td>%%$SUBSTR 2nd argument out of range</td>
</tr>
<tr>
<td>55</td>
<td></td>
<td>%%$SUBSTR 3rd argument out of range</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>%%$RESOLVE argument not recognized</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE</td>
<td>1st argument not numeric</td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE</td>
<td>2nd argument not numeric</td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE</td>
<td>1st argument out of range</td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE</td>
<td>2nd argument out of range</td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE</td>
<td>is too narrow</td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE</td>
<td>1st argument not in valid format</td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE</td>
<td>2nd argument not in valid format</td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT</td>
<td>1st argument is not 11 digits in length</td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT</td>
<td>1st argument is not numeric</td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT</td>
<td>2nd argument is not 11 digits</td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT</td>
<td>2nd argument is not numeric</td>
</tr>
<tr>
<td>71</td>
<td></td>
<td>More than one operator in one line</td>
</tr>
<tr>
<td>72</td>
<td></td>
<td>Less than two operands for an operator</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>More than two operands for an operator</td>
</tr>
<tr>
<td>75</td>
<td>%%%$D2X</td>
<td>argument length is greater than 10</td>
</tr>
<tr>
<td>76</td>
<td>%%%$D2X</td>
<td>argument is not numeric</td>
</tr>
<tr>
<td>77</td>
<td>%%%$D2X</td>
<td>argument number is greater than 2147483647 (2G)</td>
</tr>
<tr>
<td>78</td>
<td>%%%$X2D</td>
<td>argument length is greater than 8</td>
</tr>
<tr>
<td>79</td>
<td>%%%$X2D</td>
<td>argument has an invalid character</td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>First operand in arithmetic operation is not numeric</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Second operand in arithmetic operation is not numeric</td>
</tr>
<tr>
<td>83</td>
<td>%%%$DIV</td>
<td>2nd operand is 0</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
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<td>-------------</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of %%%$PLUS case overflow</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of %%%$MINUS case overflow</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%%$GLOBAL value length error</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Errors reading the global member.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>LRECL is not 80</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Errors writing the global member.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory</td>
</tr>
<tr>
<td>12</td>
<td></td>
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</tr>
<tr>
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<td></td>
<td>LRECL is not 80</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use</td>
</tr>
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<td></td>
<td>Data set not in catalog</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed</td>
</tr>
<tr>
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<td></td>
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</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Program Buffers Shortage.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Not enough space in RSL buffer</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Arguments too long (ARG buffer overflow)</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program Errors.</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>No last non-blank for non-blank value in SET command</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%$PLDATE for date formatting WO0816*</td>
</tr>
<tr>
<td>36, 40, 44</td>
<td></td>
<td>Global Variable Errors. Reason codes are:</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Parse Errors.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid type</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Place holder error</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Position specification too long</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Non numeric</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Position null</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Section vector overflow</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Variable buffer overflow</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed</td>
</tr>
</tbody>
</table>

**API576E IOA SUBSYSTEM subsys NOT RESPONDING TO REQUESTS**

**Explanation:** A request from the Control-O or CMEM monitor using the Control-O API failed due to timeout, but the subsystem is active.

The action is aborted.

**Corrective Action:** Check the status of the Control-O or CMEM monitor. If the timeout was the result of a termination process, the problem can be ignored. Otherwise, check for other error messages in the monitor JOBLOG, SYSPRINT or IOALOG, and respond accordingly.

**API577E IOA SUBSYSTEM subsys INACTIVE**

**Explanation:** A request from the Control-O or CMEM monitor failed, because the Control-O or CMEM monitor is not active.

The action is aborted.

**Corrective Action:** Start the Control-O or CMEM monitor and reissue the request.

**API578E IOA SUBSYSTEM subsys DETECTED AN ERROR**

**Explanation:** A request from the Control-O or CMEM monitor failed, because the CTOWTO Control-O or CMEM executor module detected an error. The request was issued using the Control-O API.

The action is aborted.

**Corrective Action:** Check the Control-O or CMEM job log or syslog for error messages, and correct accordingly.

**API579E IOA SUBSYSTEM subsys RETURNED AN INVALID RETURN CODE**

**Explanation:** A request from the Control-O or CMEM monitor failed, because the CTOWTO Control-O or CMEM executor module returned an invalid return code. The request was issued by means of the Control-O API.

The action is aborted.

**Corrective Action:** Contact BMC Software Customer Support.
API57AE ERROR IN INAREA FIELDS ADDR= add1, add2 LENGTH len DATA= value

Explanation: An internal error occurred in the INAREA fields while calling an API service. The action is aborted.

Corrective Action: Notify BMC Software Customer Support.

API57BE ERROR IN RESULT FIELDS ADDR= add, LENGTH len DATA= value

Explanation: An internal error occurred in the RESULTS fields while calling an API service. The action is aborted.

Corrective Action: Notify BMC Software Customer Support.

API57CE INAREA LENGTH length3 + RESULT LENGTH length2 > 255

Explanation: Due to an internal error, the sum of the INAREA LENGTH and the RESULT LENGTH exceeded the maximum allowable data length of 255 characters when calling the API service. The action is aborted.

Corrective Action: Notify BMC Software Customer Support.

API57EE CHECKPOINT GLOBAL VARIABLE DATABASE dbName ENDED DUE TO TIMEOUT AFTER num SECONDS

Explanation: A timeout occurred during checkpoint processing of the Global Variables database. The checkpoint request terminated.

Corrective Action: Check the job log of the Control-O or CMEM monitor for additional messages that explain the cause of the problem. If the request ended OK after the timeout occurred, ignore the problem. Otherwise, respond accordingly.

ARC messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages ARCA00 through ARCAxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

ARCA01E CTDX004: ERROR IN CTMMEM RC=rc READING SKELETON

Explanation: The restore skeleton that is used for restoring reports converted to Control-D from other products, such as: CA-View, CA Dispatch, and the like, cannot be read from the SKL library. The restore request ends NOTOK.
Corrective Action: Proceed according to the CTMMEM return code displayed in the message. The CTMMEM return codes are described in the DOCIMEM member in the IOA DOC library. After correcting the action, request restore of the problematic report.

ARCA03E CTDX004: ERROR IN GETMAIN FOR SKELETON

Explanation: There is insufficient memory to read the restore skeleton that is used for restoring reports converted to Control-D from other products, for example, CA-View, CA Dispatch. The current restore request ends NOTOK.

Corrective Action: Increase the REGION size of the online environment.

ARCA04E CTDX004: UNABLE TO DYNAMICALLY ALLOCATE INTRDR rc

Explanation: Dynamic allocation of the internal reader (INTRDR) by a Control-D command failed during an attempt to submit a restore job for reports converted to Control-D from other products such as CA-View, CA Dispatch. In this message, rc is the return code of the failed dynamic allocation. The restore job is not submitted. The current restore request ends NOT OK.

Corrective Action: Refer to the IBM manual that deals with information returned from an SVC 99. Take appropriate action based on the return code displayed in the message.

ARCA05E CTDX004: ERROR IN GETMAIN FOR SYSDATA RECORD

Explanation: There is insufficient memory for the SYSDATA record that is needed to restore reports converted to Control-D from other products such as CA-View, CA Dispatch. The current restore request ends NOTOK.

Corrective Action: Increase the REGION size of the Online environment.

BAO messages

This group includes messages for the Control-M/Analyzer product.

Messages BAO500 through BAO5xx

This group includes messages for the Control-M/Analyzer product.

BAO501I CTBBAO STARTED

Explanation: This information message signals the normal start of program CTBBAO. The Control-M/Analyzer Online Facility produces this message when it orders or forces a balancing mission to the Active Balancing file.

Corrective Action: No action is required.
BAO502S OPEN OF SCHEDULE DATA FAILED. DDNAME "DABAL"

**Explanation:** Open of Control-M/Analyzer BALMIS library failed.

Possible causes are:

- The DABAL DD statement is missing.
- Either the data set referenced by the DAJOB DD statement cannot be opened for sequential read, or its record length is not 80.

The CTBBAO program ends with errors.

**Corrective Action:** Consult your INCONTROL administrator.

BAO505S PREVIOUS RUN OF CTBBAO DID NOT FINISH OK

**Explanation:** A previous run of the CTBBAO program did not finish OK. This program is usually activated as part of the New Day procedure.

`date_2` and `date_3` (or `date_4` and `date_5`) of the Date Control Record are not equal. Possible causes are:

- The previous run of the CTBBAO program did not finish OK.
- The contents of the User Date Control Record (the DACHK DD statement) have been manually modified.

The CTBBAO program ends with errors.

**Corrective Action:** Set `date_3` (or `date_5`), positions 25 through 30 (or 50 through 55) in the Date Control Record (the DACHKK DD statement), to the values of `date_2` (or `date_4`). To rerun the same New Day procedure, change all the dates to the value of the previous day.

**Note:**

When rerunning the New Day procedure, do not order the same mission twice on the same day. First delete previously ordered missions from the Active Balancing file, and then rerun the New Day procedure.

BAO510S SEVERE ERROR IN THE BALANCING DATA. PLEASE NOTIFY THE IOA ADMINISTRATOR

**Explanation:** A severe error was detected in the scheduling data. This message is issued by the New Day procedure. This message is produced when any scheduling mission (pointed to by the DABAL DD statement) contains erroneous data.

Possible causes are:

- The contents of the mission were incorrectly modified, using an editor or program, and the format of the mission is invalid.
- There was an internal error in Control-M/Analyzer.

The New Day procedure terminates with a condition of code 08.

**Corrective Action:** Do the following:
Try to restore the mission to its original state. If you cannot, have your IOA administrator call BMC Software Customer Support.

If the mission is a batch New Day procedure using a permanent Date Control Record, correct the contents of the Date Control record before running the New Day procedure again.

For more information, see the BAO505S message.

BAO511I ID= orderId TASK= taskName PLACED ON THE ACTIVE BALANCING FILE - desc

Explanation: This information message indicates that a mission order was placed on the Active Balancing file. The task is now on the Active Balancing file in Wait Schedule state.

Corrective Action: No action is required.

BAO513I SCHEDULE FAILED FOR num CONTROL-M/ANALYZER CATEGORIES

Explanation: This information message displays the number of Control-M/Analyzer balancing missions categories that were not found in the library allocated to the DABAL DD statement. In this message, num is the number of balancing missions categories that were not found. The Control-M/Analyzer New Day procedure continues processing.

Corrective Action: Examine the IOA Log file for the failed categories and associated reasons for failure.

BAO514S INSUFFICIENT STORAGE FOR THE BALANCING MISSION

Explanation: There is insufficient storage for processing the mission order. The CTBBAO program of the New Day procedure terminates with a condition code of 08.

Corrective Action: Increase the REGION size of the New Day procedure.

BAO515S ERROR IN SCHEDULING DATA - TOO MANY STATEMENTS FOR ONE MISSION

Explanation: The scheduling mission contains too many statements. Scheduling data describing the mission order is too large to be processed by Control-M/Analyzer. The mission order is not placed on the Active Balancing file. The New Day procedure terminates with a condition code of 08.

Corrective Action: Check the contents of the mission order using the Online Scheduling Facility and omit unnecessary scheduling data. Report this to your INCONTROL administrator.

BAO516S ERROR IN SCHEDULING DATA - FIRST STATEMENT SHOULD START WITH "B"

Explanation: Invalid scheduling data was detected in the first data set pointed to by the DABAL DD statement. The first statement of a valid balancing mission should start with B.

The error could be due to one of the following:
The data set pointed to by the DABAL DD statement is not a Balancing Mission.
The Balancing Mission has been manually modified incorrectly.
The CTBBAO program ends with errors.

Corrective Action: Check that the DABAL DD statement refers to a valid Balancing Mission definition.

BAO524S CTBBAO ENDED WITH ERRORS

Explanation: The CTBBAO program ended with errors. It is activated as part of the New Day procedure.
The New Day procedure finishes executing with a condition code of 08. The IOA Log File contains one or
more prior messages concerning the errors.
Corrective Action: Examine the IOA Log File for the errors. If necessary, correct the Date Control
Record date-3 and date-5 manually for the next run of the New Day procedure.

BAO525I CTBBAO ENDED

Explanation: This information message indicates that the CTBBAO terminating program, which is
activated as part of the New Day procedure, has terminated.
Corrective Action: No action is required.

BAO528I MEMBER memName1 ID= orderld ODATE odate PLACED ON
ACTIVE BALANCING FILE - description

Explanation: This information message indicates that a mission order was placed on the Active
Balancing file in WAIT SCHEDULE state.
Corrective Action: No action is required.

BAO532S OPEN OF CONTROL-M/ANALYZER ACTIVE BALANCING FILE
FAILED. DDNAME "DAABF"

Explanation: Open of Control-M/Analyzer Active Balancing file failed. This error message is issued by the
CTBBAO program, which is usually activated as part of the New Day procedure.
Possible causes are:
- The DAABF DD statement is missing.
- The data set pointed to by the DAABF DD statement is not the Control-M/Analyzer Active Balancing
  file.
- The data set pointed to by the DAABF DD statement is a Control-M/Analyzer Active Balancing file from
  a different version of Control-M/Analyzer.
Program execution stops with a condition code of 08.
Corrective Action: Correct the JCL for the mission or CLIST and rerun it.
BAO534S SEVERE ERROR ON CONTROL-M/ANALYZER ACTIVE BALANCING FILE. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Severe error on the Control-M/Analyzer Active Balancing file. This error message is issued by the CTBBAO program, which is usually activated as part of the New Day procedure.

Possible causes are:

- An I/O error.
- The file allocated to the DAABF DD statement is not the Control-M/Analyzer Active Balancing file.
- The Active Balancing file has been corrupted.

The CTBBAO Control-M/Analyzer program ends with errors.

**Corrective Action:** Ask your IOA administrator to check whether the Active Balancing File has been updated from two computers without global ENQ control, or by an unauthorized program.

BAO535S CONTROL-M/ANALYZER ACTIVE BALANCING FILE IS BEING FORMATTED. TRY AGAIN LATER

**Explanation:** The New Day procedure is currently formatting the Control-M/Analyzer Active Balancing file. This message is issued by the CTBBAO program which is usually activated as part of the New Day procedure.

**Corrective Action:** Try again later.

BAO536W THE CONTROL-M/ANALYZER ACTIVE BALANCING FILE IS NEARLY FULL

**Explanation:** The Control-M/Analyzer Active Balancing file is over 90% full. It contains all the missions to be executed during the night. If it becomes full, it will be impossible to add new missions to Control-M/Analyzer for execution.

**Corrective Action:** Contact your INCONTROL administrator immediately. It may be necessary to compress the Active Balancing file, or to increase its size.

BAO537S INTERNAL ERROR IN ROUTINE CTBRSV

**Explanation:** Internal error in the CTBRSV routine. The CTBBAO program ends with errors.

**Corrective Action:** Ask your INCONTROL administrator to notify BMC Software Customer Support.

BAO538S LOADING OF CONTROL-M/ANALYZER INSTALLATION PARAMETERS FAILED

**Explanation:** Loading of Control-M/Analyzer Installation Parameters, which are in the CTBPARM member in the IOA PARM library, failed.

Possible causes are:
There is insufficient memory to load the IOA Installation Parameters.

The CTBPARM member does not exist in the IOA PARM library.

The IOA PARM library was updated while you were working and the position of the CTBPARM member has changed.

The requested function is terminated.

**Corrective Action:** Look in the system log for additional related messages. Try one of the following:

- If loading failed because of lack of memory: increase the REGION size for batch missions; for TSO, try to log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, try to exit a few using the END command. This releases memory used by the screens.
- If the PARM library has been modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again.

**BAO539S ERROR IN CONTROL-M/ANALYZER INSTALLATION PARAMETERS - INVALID DATETYP**

**Explanation:** Invalid DATETYP Control-M/Analyzer installation parameter. The DATETYP parameter specifies date format used at installation.

Valid values are:

- A (mmddyy)
- W (ddmmyy)
- J (yymmdd)

For more information, see the operational parameters section in the IOA installation chapter in the *INCONTROL for z/OS Installation Guide*.

The requested function is terminated.

**Corrective Action:** Contact your INCONTROL administrator. Set the DATETYP parameter in the IOAPARM member to a valid value.

**BAO540S CONTROL-M/ANALYZER ACTIVE BALANCING FILE IS FULL. NOTIFY THE IOA ADMINISTRATOR**

**Explanation:** Highlighted, unrollable message.

The Control-M/Analyzer Active Balancing file is full. There is no more space in the Active Balancing file for new missions.

The mission order is not placed in the Active Balancing file.

**Corrective Action:** Contact your IOA administrator immediately. It may be necessary to increase its size. Compress the Active Balancing files.
BAT messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages BAT900 through BAT9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

BAT9A3I BUILDING OF CONTROL-D ACTIVE TRANSFER FILE STARTED

Explanation: This information message indicates that the CTDBAT program, which formats the Active Transfer file, started.

Corrective Action: No action is required.

BAT9A4I BUILDING OF CONTROL-D ACTIVE TRANSFER FILE ENDED

Explanation: This information message indicates that the CTDBAT program, which is used for formatting the Active Transfer file, has ended normally.

Corrective Action: No action is required.

BAT9A5S CONTROL-D ACTIVE TRANSFER FILE WAS NOT BUILT

Explanation: An error occurred during the formatting of the Active Transfer file (the CTDBAT program). Formatting is terminated.

Corrective Action: Check the system log for a previous message regarding the error. Correct the problem, and reformat the file.

BAT9A6S OPEN OF CONTROL-D ACTIVE TRANSFER FILE FAILED

Explanation: The probable cause is a missing DAATF DD statement. Formatting is terminated.

Corrective Action: Check and correct the DAATF DD statement.

BAT9A7S CONTROL-D ACTIVE TRANSFER FILE WRITE ERROR

Explanation: The format routine received an I/O error when accessing the Active Transfer file. An I/O error was encountered by the CTDBAT program when accessing the Active Transfer file.

Possible causes are:

- A hardware failure may have occurred.
- The Active Transfer file specification contains invalid parameters.

Formatting is terminated.

Corrective Action: Do one of the following:
After the hardware problem has been resolved, reformat the file.

Check and correct the DCB parameters specified in the DAATF DD statement, then reformat the file.

**BAT9A8S OPEN OF IOA LOG FILE FAILED**

**Explanation:** The IOA Log file is unavailable for processing.

Formatting is terminated.

**Corrective Action:** Check and correct the DALOG DD statement, then reformat the Active Transfer file.

**BAT9A9S NUMBER OF RECORDS IN ACTIVE TRANSFER FILE IS LESS THAN 3**

**Explanation:** The CTDBAT program determines the number of records for the Active Transfer file from the ATFBLK installation parameter in the CTDPARM member. This value cannot be less than 3.

Formatting is terminated.

**Corrective Action:** Correct the CTDPARM member, then reformat the Active Transfer file.

**BCL messages**

This group includes messages for the IOA (infrastructure) product.

**Messages BCL300 through BCL3xx**

This group includes messages for the IOA (infrastructure) product.

**BCL306S ERROR WHILE READING PARAMETERS - CALENDAR NOT BUILT**

**Explanation:** There was an error in the parameters for the IOABLICAL utility, or no parameters were specified.

The IOABLICAL utility returns a condition code of 12. The calendar is not built.

**Corrective Action:** Correct the parameters and rerun the utility.

**BCL307S INVALID SYNTAX IN THE PARAMETER CARD - CALENDAR NOT BUILT**

**Explanation:** There was an error in the parameters for the IOABLICAL utility, or no parameters were specified.

The IOABLICAL utility returns a condition code of 12. The calendar is not built.

**Corrective Action:** Correct the parameters and rerun the utility.

**BCL308S INVALID/MISSING OPERATOR - CALENDAR NOT BUILT**

**Explanation:** An operator is missing between the calendars.

Valid operators for the IOABLICAL utility are:
The IOABLCAL utility returns a condition code of 12. The calendar is not built.

**Corrective Action:** Correct the parameters and rerun the utility.

BCL309S CALENDAR *calName* DOES NOT CONTAIN THE YEAR *yr*

**Explanation:** The *yr* year does not appear in the second calendar (*calName*), but it appears in the first calendar in the IOABLCAL utility. All years that are defined in one calendar must be defined in the other calendar as well.

The variables in this message are:
- *calName* - the name of the second calendar that does not contain *yr*
- *yr* - the year that does not appear in *calName*

The IOABLCAL utility returns a condition code of 12. The calendar is not built.

**Corrective Action:** Either add the year to the second calendar, or delete unnecessary years from the first calendar.

BCL311S MEMBER *memName* IS NOT A VALID CALENDAR

**Explanation:** The specified member (*memName*) is not a calendar in the IOABLCAL utility.

The IOABLCAL utility returns a condition code of 08. The calendar is not built.

**Corrective Action:** Specify a valid calendar name.

BCL312I CALENDAR *calName* HAS BEEN BUILT AND SAVED

**Explanation:** This information message indicates that the IOABLCAL utility has successfully built the calendar.

**Corrective Action:** No action is required.

BCL313S BUILDING A CALENDAR ENDED WITH ERRORS

**Explanation:** An error occurred during the execution of the IOABLCAL utility.

**Corrective Action:** A previous message should describe the error.

BCL314E RELATIVE CALENDAR CAN APPEAR ONLY AS THE SECOND CALENDAR

**Explanation:** The calendar specified as the first in a calculation formula in the IOABLCAL utility is a relative calendar.

The IOABLCAL utility returns a condition code of 08. The calendar is not built.

**Corrective Action:** Correct the calendar calculation formula.
BCL315E CALENDAR2 MUST HAVE SAME NUMBER OF YEARS AS CALENDAR1

Explanation: A shift operation was specified (, W, W,), but calendar_1 and calendar_2 both contain the same years in chronological order.

The calendar is not built. The IOABLCAL utility returns a condition code of 12.

Corrective Action: Adjust both calendars so that they contain the same years in chronological order.

BKC messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages BKC400 through BKC4xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

BKC490I CHECKING OF RESULTS OF MISSION misName ODATE= modate TIMESTAMP= misTime

Explanation: This information message indicates that the backup (migration) mission began checking of the results of the backup (migration) utility run.

The variables in this message are:

- misName - the name of the backup or migration mission
- modate - the original scheduling date of the backup or migration mission
- misTime - the time stamp of the backup or migration mission

Corrective Action: No action is required.

BKC491E INVALID PARAMETERS FOR BACKUP/MIGRATION ANALYZE PROGRAM

Explanation: An invalid parameter is specified in the ANALYZE job step of the generated backup (migration) job.

This may occur because the backup (migration) job skeleton was incorrectly modified by a user.

The backup (migration) mission ends NOTOK.

Corrective Action: Call your INCONTROL Administrator.
BKC492W MISSING VOLUME SERIAL NUMBERS FOR DDNAME "TAPE"

**Explanation:** The backup job could not find the volume serial numbers (volsers) of the backup tapes. The first step of the backup job backs up the compressed data sets on tapes specified by the DD name TAPE. The second step of the backup job executes the CTDBKC program, which analyzes the output of the backup process. The second step failed to retrieve volume serial numbers from the JFCB control block. The volser is required for subsequent restores.

Possible causes are:

- The user-tailored JCL of the backup job may contain errors.
- An error occurred during processing of the first step.
- The site backup and restore facility does not use standard label tapes. This is not an error situation.

For information about the correct JCL, refer to the section on backup mission management in the INCONTROL for z/OS Administrator Guide.

**Corrective Action:** If there is an error in the JCL of the backup job, correct the JCL skeleton and rerun the backup job. If an error occurred during processing of the first step of the job, refer to earlier messages generated by the first step, correct the problem, and rerun the job.

BKC493E CDAM FILE WAS NOT BACKED UP: dsname BY MISSION misName ODATE= modate TIMESTAMP= misTime

**Explanation:** The backup utility is unable to backup the dsname data set.

The variables in this message are:

- dsname - the data set name
- misName - the name of the backup mission
- modate - the original scheduling date of the backup mission
- misTime - the time stamp of the backup mission

Possible causes are:

- The data set may have been deleted or uncataloged.
- An I/O error was encountered when backing up the data set.

The backup mission ends NOTOK.

**Corrective Action:** Check the output of the backup utility.

BKC494E OPEN OF BACKUP/MIGRATE UTILITY MESSAGES FILE FAILED

**Explanation:** The open of the SYSIN DD statement failed. This message is produced by the ANALYZE step of the backup or migration job.

Possible causes are:
The SYSIN DD statement has been deleted or its JCL has been modified incorrectly.
The data set referenced by the SYSIN DD statement cannot be opened for sequential read.
The requested backup or migration is not performed. The status of the Backup or Migration Mission is changed to ENDED NOTOK.

**Corrective Action:** Do the following:
1. Check the ANALYZE step of the backup or migration job in the library referenced by the DADSKL DD statement.
2. For the correct format for SYSIN JCL, see the BKPDFDSS sample skeleton job in the Control-D or Control-V SKL library.
3. Modify the JCL as required.
4. Rerun the Backup or Migration Mission.

**BKC495E** NO PENDING BACKUP/MIGRATION MISSION FOUND BY BKPRESET IN ACTIVE MISSION FILE

**Explanation:** This message indicates that BKPRESET utility did not find any pending backup or migration mission in the Active User file.
The utility resets status of all SYSDATA records pending in backup to WAITING FOR BACKUP.

**Corrective Action:** No action is required.

**BKC496E** OPEN OF ACTIVE MISSIONS FILE FAILED. DDNAME "DAAMF"

**Explanation:** Open of the Active Missions file failed. This file is referenced by the DAAMF DD statement.
This message is produced by the ANALYZE step of the backup or migration job. This step executes the CTDBKC program, which analyzes the output of the backup or migration process.

Possible causes are:
- The DAAMF DD statement is missing.
- The data set referenced by the DAAMF DD statement is not the Active Missions file.
- The data set referenced by the DAAMF DD statement is the Active Missions file for another Control-D or Control-V monitor or a different version of Control-D or Control-V.

Backup or migration of the requested data sets is not performed. The status of the backup or migration mission remains BACKUP or MIGRATE IN PROCESS. This status will change to ENDED OK after the backup or migration job is corrected and rerun.

**Corrective Action:** Do the following:
1. Check the ANALYZE step of the backup or migration job in the library referenced by the DADJOB DD statement.
2. Modify or add the DAAMF DD statement.
3. Rerun the job.
4. To prevent a recurrence of this problem, make the same modification to the backup or migration skeleton JCL in the library referenced by the DADSKL DD statement.
BKC497E UNABLE TO UPDATE STATUS OF MISSION \textit{misName} ODATE= \textit{misoDate} TIMESTAMP= \textit{misTime} (RC= \textit{rc})

**Explanation:** where \textit{rc} is the return code of the Active Mission file service.

Backup or migration job cannot update, in the Active Mission file, the status of the mission indicated in the message.

The mission remains in status IN PROCESS.

**Corrective Action:** Use the appropriate utility (BKPRESET or MIGRESET) to reset the mission status. If the problem recurs, prepare the IOA LOG and contact BMC Customer Support.

BKC498I RESULT OF MISSION \textit{misName} ODATE= \textit{modate} TIMESTAMP= \textit{misTime} IS OK

**Explanation:** This information message indicates that the backup (migration) mission has finished successfully.

The variables in this message are:

- \textit{misName} - the name of the backup (migration) mission
- \textit{modate} - the original scheduling date of the backup (migration) mission
- \textit{misTime} - the time stamp of the backup (migration) mission

**Corrective Action:** No action is required.

BKC499E RESULT OF MISSION \textit{misName} ODATE= \textit{modate} TIMESTAMP= \textit{misTime} IS NOT OK

**Explanation:** This message indicates that an error was encountered in the backup (migration) mission execution. The detailed description of the error is given in the previous printed messages.

The variables in this message are:

- \textit{misName} - the name of the backup (migration) mission
- \textit{modate} - the original scheduling date of the backup (migration) mission
- \textit{misTime} - the time stamp of the backup (migration) mission

The backup (migration) mission ends NOTOK.

**Corrective Action:** Check the report of mission execution in the IOALOG and in the output of the backup (migration) job.

BKC49BE CDAM FILE WAS NOT MIGRATED : \textit{dsname} BY MISSION \textit{misName} ODATE= \textit{modate} TIMESTAMP= \textit{misTime}

**Explanation:** The migration utility was unable to migrate the \textit{dsname} data set.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- `dsname` - the data set name
- `misName` - the name of the migration mission
- `modate` - the original scheduling date of the migration mission
- `misTime` - the time stamp of the migration mission

Possible causes are:
- The data set may have been deleted or uncataloged.
- An I/O error was encountered when migrating the data set.

The migration mission ends NOTOK.

**Corrective Action:** Check the output of the migration utility.

_BKC49CE INDEX FILE WAS NOT MIGRATED: dsname BY MISSION misName ODATE= modate TIMESTAMP= misTime_

**Explanation:** The migration utility was unable to migrate the `dsname` data set.

The variables in this message are:
- `dsname` - the data set name
- `misName` - the name of the migration mission
- `modate` - the original scheduling date of the migration mission
- `misTime` - the time stamp of the migration mission

Possible causes are:
- The data set may have been deleted or uncataloged.
- An I/O error was encountered when migrating the data set.

The migration mission ends NOTOK.

**Corrective Action:** Check the output of the migration utility.

_BKC49DS INVALID THIRD PARAMETER WAS SUPPLIED IN PARM FOR ANALYZE. PRIMARY OR SECONDARY MUST BE SPECIFIED_

**Explanation:** During a generated migrating reports job, an invalid parameter was found in the PARM field of the ANALYZE job step.

The reports migration fails.

**Corrective Action:** Call your INCONTROL administrator.

_BKC49ES ERROR WHEN ISSUING CTDBKC ENQ. RC: rc_

**Explanation:** While backing up reports or performing a reports migration mission, an internal error occurred.

In this message, `rc` is the internal return code of the error.
The backing up or reports migration mission fails.

**Corrective Action:** Call your INCONTROL administrator.

**BKC49FS MIGRATION JOB RERUN IS NOT ALLOWED**

**Explanation:** This message is issued when the user tries resubmit the primary or secondary migration job from the CTD JOB library after this job has already been run.

The migration job fails with a return code of 20.

**Corrective Action:** Check if the previous run of this job ended successfully.

- If the job ended successfully, do not rerun this job but run the secondary job if this is primary or the primary job if this is secondary.
- If the job has not ended successfully before and it is necessary rerun it, perform following steps:
  - Run the MIGRESET utility several times until the BKC495E message is issued.
  - Rerun the migration mission from the Active Missions screen.

**BKC49GS SECONDARY RUN IS REQUIRED AND SECPREF= IS NOT DEFINED IN IOASPRM**

**Explanation:** This message identifies an internal error that occurred during a reports migration mission.

The reports migration mission fails.

**Corrective Action:** Call your INCONTROL administrator.

**BKC49HE mig_stage WAS NOT SUBMITTED - ERROR**

**Explanation:** An error occurred during a reports migration mission, and the mission failed.

In this message, `mig_stage` identifies the migration stage at which the mission failed. Valid values are:

- PRIMARY
- SECONDARY

**Corrective Action:** Call your INCONTROL administrator.

**BKC49JI mig_stage ENDED [NOT] OK**

**Explanation:** This information message indicates that a reports migration mission stage has ended.

In this message, `mig_stage` identifies the migration stage.

Valid values are:

- PRIMARY
- SECONDARY

**Corrective Action:** If the message indicates that the reports migration mission ended NOT OK, call your INCONTROL administrator.
**BKC49KE** INDEX FILE WAS NOT BACKED UP: *dsname* BY MISSION *misName* ODATE= *modate* TIMESTAMP= *mTime*  

**Explanation:** The backup utility was unable to back up the *dsname* data set.  
The variables in this message are:  
- *dsname* - the data set name  
- *misName* - the name of the backup mission  
- *modate* - the original scheduling date of the backup mission  
- *mTime* - the time stamp of the backup mission  

Possible causes are:  
- The data set may have been deleted or uncataloged.  
- An I/O error was encountered when backing up the data set.  
The backup mission ends NOTOK.  

**Corrective Action:** Check the output of the backup utility.

**BKC49ME** NO PENDING MISSION WITH TIMESTAMP= *mTime* FOUND IN ACTIVE MISSION FILE  

**Explanation:** This message indicates that the backup (migration) job did not find the related pending backup (migration) mission in the Active Mission file.  
This may occur because the backup (migration) mission was removed from the Active Mission file or was reset by the BKPRESET utility before the job finished.  
In this message, *mTime* is the time stamp of the backup (migration) mission.  
The backup (migration) job only prints the LOG of the backup (migration) utility.  

**Corrective Action:** Check the IOALOG.

**BKC49NI** {BACKUP | PRIMARY | SECONDARY} MISSION *misName* ODATE= *modate* TIMESTAMP= *mTime* IS RESET  

**Explanation:** This information message indicates that the BKPRESET utility successfully reset the backup (or primary migration or secondary migration) mission in the Active Mission file.  
The variables in this message are:  
- *misName* - the name of the backup (migration) mission  
- *modate* - the original scheduling date of the backup (migration) mission  
- *mTime* - the time stamp of the backup (migration) mission  

**Corrective Action:** No action is required.
BKC49PS DUE TO SEVERE ERROR POINTED ABOVE NEITHER SYSDATA NOR INDEX RECORD IS COPIED TO HISTORY/MIGRATION FILE

**Explanation:** Due to a severe error that occurred during the backup (migration) job execution, neither the SYSDATA nor INDEX record was copied to the History (Migration) User file.

This message is displayed with the previous messages in the backup (migration) job's output.

The backup (migration) job only prints the LOG of the backup (migration) utility.

**Corrective Action:** Check the output of the backup (migration) job.

BKC49QE UNABLE TO UPDATE STATUS OF MISSION *misName* ODATE= *misoDate* TIMESTAMP= *misTime* (UPDATE QUEUE OVERFLOW)

**Explanation:** Backup or migration job cannot update, in the Active Mission file, the status of the mission indicated in the message because of overflow of the update queue in the Active Mission file service.

The mission remains in status IN PROCESS.

**Corrective Action:** Use the appropriate utility (BKPRESET or MIGRESET) to reset the mission status. If the problem recurs, prepare the IOA LOG and contact BMC Customer Support.

BKP messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages BKP400 through BKP4xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

BKP475I BACKUP/MIGRATE TASK STARTED

**Explanation:** This information message indicates that a backup or migration task is starting.

**Corrective Action:** No action is required.

BKP476I MISSION {STARTED | RESTARTED} WITH TIMESTAMP= *misTime*

**Explanation:** This information message indicates which backup (migration) mission is starting or restarting, and its time stamp.

In this message, *misTime* is the identity of the backup (migration) mission that is starting or re-starting.

**Corrective Action:** No action is required.
BKP477E INSUFFICIENT STORAGE TO COMPLETE THIS bkup/migrate MISSION

Explanation: There is insufficient storage to complete the bkup/migrate backup or migration mission.

The status of this mission is set to ENDED NOTOK.

Corrective Action: Increase the REGION size for the Control-D or Control-V monitor and rerun the backup or migration mission. If the REGION size cannot be increased, make sure the backup or migration mission does not run concurrently with other missions. If the problem persists, contact your INCONTROL administrator.

BKP478I bkup/migrate MISSION ENDED OK

Explanation: This information message indicates that a backup or migration mission finished executing with status ENDED OK.

In this message, bkup/migrate is the identity of the backup or migrate mission that has ended.

Corrective Action: No action is required.

BKP479E bkup/migrate MISSION ENDED NOT OK

Explanation: This message indicates that a backup or migration mission finished executing with status ENDED NOTOK. The IOA Log file and the backup or migration job should contain one or more messages indicating the reason.

In this message, bkup/migrate is the identity of the backup or migrate mission that has ended.

Corrective Action: No action is required.

BKP47BI {BACKUP | PRIMARY | SECONDARY} jobId SUBMITTED WITH TIMESTAMP= misTime

Explanation: This information message indicates that the backup (migration) job generated by the backup (migration) mission is submitted for execution.

The variables in this message are:
- jobId - the system identifier of the submitted job.
- misTime - the identity of the backup (migration) mission. It is copied to the generated job.

Corrective Action: No action is required.

BKP47CI {BACKUP | PRIMARY | SECONDARY} JOB PLACED IN CONTROL-D JOB LIBRARY WITH TIMESTAMP= misTime

Explanation: This information message indicates that the backup (or the migration) job generated by the backup (or the migration) mission is placed to the Control-D JOB library.

In this message, misTime is the identity of the backup (migration) mission. It is copied to the generated job.

Corrective Action: No action is required.
BKP480E NO REPORTS TO BE BACKED UP/ MIGRATED BY THIS MISSION

**Explanation:** The Active User Report List file was searched for backup or migration requests. No backup or migration request with this mission name was waiting to be executed.

The status of this mission is set to ENDED NOTOK.

**Corrective Action:** No action is required.

BKP481E INVALID RETURN CODE rc FROM USER EXIT CTDX010 - missionName STOPPED

**Explanation:** The Control-D or Control-V exit CTDX010 ended with a return code of rc.

Possible values of rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Submit the backup or migration job.</td>
</tr>
<tr>
<td>4</td>
<td>Do not submit the backup/migration job.</td>
</tr>
</tbody>
</table>

The status of this mission is set to ENDED NOTOK.

**Corrective Action:** Do the following:

1. Correct the problem in the CTDX010 exit.
2. Assemble and link-edit this exit.
3. Rerun the backup or migration mission. Control-V will call the new version of the exit automatically.

BKP482E INVALID RETURN CODE rc FROM CTMMEM - missionName STOPPED

**Explanation:** Control-D or Control-V received a return code of rc from the CTMMEM internal module, while trying to update the backup or migration job JCL library referenced by the DADJOB DD statement. The member name is the same as the name of the backup or migration mission.

The variables in this message are:

- rc - the return code from the CTMMEM module
- missionName - the identity of the problematic backup or migration mission

Possible return codes and their causes are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>DSN referenced by the DADJOB DD statement is not in the DADSKL member. This can occur when trying to read or write the data set.</td>
</tr>
<tr>
<td>Return Code</td>
<td>Meaning</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td>16</td>
<td>DSN referenced by the DADJ OB DD statement is not a partitioned data set.</td>
</tr>
<tr>
<td>20</td>
<td>DSN referenced by the DADJ OB DD statement contains a record format which is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td>DSN referenced by the DADJ OB DD statement contains a record length which is not 80.</td>
</tr>
<tr>
<td>32</td>
<td>The DADJ OB DD statement is missing.</td>
</tr>
<tr>
<td>36</td>
<td>DSN referenced by the DADJ OB DD statement is not in the catalog.</td>
</tr>
<tr>
<td>56</td>
<td>Library referenced by the DADJ OB DD statement is full or an abend occurred.</td>
</tr>
</tbody>
</table>

The status of this mission is set to ENDED NOTOK.

**Corrective Action:** Do the following:
1. Look for additional messages in the IOA Log file.
2. Correct the problem with the library.
3. Shut down Control-D or Control-V and reactivate it.
4. Rerun the backup or migration mission.

**BKP483E INVALID RETURN CODE rc FROM CTDCND - missionName STOPPED**

**Explanation:** Control-D or Control-V received the invalid return code rc from the CTDCND internal Control-D module while trying to add the %COND% prerequisite condition to the IOA Conditions file.

The variables in this message are:
- rc - the return code from the CTDCND module
- missionName - the identity of the problematic mission

The status of this mission is set to ENDED NOTOK.

**Corrective Action:** Note the return code (rc) and the mission name (missionName). Contact your INCONTROL administrator.

**BKP484W ONLY number DATASETS WILL BE BACKED UP.**

**Explanation:** The number of data sets selected by the backup mission exceeded the maximum number of data sets that can be handled within one mission execution.

In this message, number is the specified number of data sets to be backed up.
Only number data sets will be backed up during the current mission execution.

**Corrective Action:** Order an additional appropriate backup mission (or order the same backup mission once again) to back up the remaining data sets.

**BKP487S MIGRATION FILE WAS FORMATTED WITH INCORRECT COMPRESSION TABLE**

**Explanation:** A migration file was opened for multistage migration, but the migration file was formatted with an old compression table.

A multistage migration mission stores log data about the last three migration stages in the SYSDATA record. If a migration file formatted with an old compression table is used, this data is lost.

The migration mission ends NOTOK.

**Corrective Action:** Do the following:

1. Use the CTDUFDFUL job from the Control-D JCL library to unload the migration file.
2. Reformat the migration file.
3. Use the CTDUFRST job from the Control-D JCL library to reload the migration file.

**BKP488W MIGRATION OF "cdamName" FROM OSS TO OSS REJECTED**

**Explanation:** While building a migration mission, the Control-D monitor found a request to migrate a CDAM file from one OSS media to another OSS media, but this type of migration is not allowed.

In this message, cdamName is the identity of the CDAM file that was to be migrated.

The cdamName CDAM file is deleted from the list of CDAM files to be migrated.

**Corrective Action:** Change the migration path of the problematic migration mission.

**BKP489I SHUT DOWN UPON REQUEST OF MAIN TASK**

**Explanation:** This information message indicates that the Control-D monitor is shutting down. The Control-D internal backup task is run upon request of the Control-D main task.

The Control-D monitor shuts down.

**Corrective Action:** No action is required.

**BKP48AE skelName SKELETON MEMBER missionName NOT FOUND IN SKL LIBRARY**

**Explanation:** The specified backup or migration skeleton is not in the DADSKL member of the Control-D or Control-V monitor. For each backup and migration mission, a unique skeleton job (member) with the same name must exist in the DADSKL member.

The variables in this message are:

- skelName - the identity of the problematic skeleton
- missionName - the identity of the problematic mission

The problematic mission does not run.
Corrective Action: Rename the problematic mission, or create the required mission skeleton. Resubmit the mission.

BKP48BE CONTROL-D JOB LIBRARY FULL, COMPRESS THE JOB LIBRARY AND RERUN THE MISSION

Explanation: Control-D discovered that its JOB library was full when trying to backup, migrate or restore a file.

The file is not backed up, restored, or migrated.

Corrective Action: Compress the Control-D job library and rerun the backup, migrate, or restore mission.

BKP48CE BACKUP MISSION WAS CHANGED FROM GENERATION TO NUMBER OF DAYS TO KEEP

Explanation: When running a backup job, the user changed the backup mission fields from NUMBER OF GENERATIONS TO KEEP to NUMBER OF DAYS TO KEEP. When at least one backup has been executed, the user cannot change the type of backup in this way.

The backup is not executed.

Corrective Action: Define a new backup mission specifying the NUMBER OF DAYS TO KEEP.

BKP48DE SECONDARY MIGRATION SKELETON skel WAS NOT SUBMITTED RC rc - MISSION CONTINUES

Explanation: An error occurred during the generation of a secondary migration job.

More information about the error is provided in accompanying messages.

The variables in this message are:

- skel - the name of the problematic migration job skeleton
- rc - the return code of the error

The secondary migration job is not submitted.

Corrective Action: Call your INCONTROL administrator.

BKP48EE SECONDARY MIGRATION SKELETON skel DOES NOT CONTAIN %LEVEL% PARAMETER

Explanation: The skeleton of a secondary migration mission job does not contain the mandatory %LEVEL% parameter.

In this message skel is the name of the problematic migration mission job skeleton.

The secondary migration mission job is not submitted.

Corrective Action: Call your INCONTROL administrator.
BKP48FE INVALID SKELETON MEMBER *skel*

**Explanation:** A long line (more than 80 characters) is built by resolving variables in the *skel* skeleton member.

The problematic mission does not run.

**Corrective Action:** Fix the skeleton member and then resubmit the migration mission.

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**BKR messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages BKR300 through BKR3xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**BKR340I BACKUP/MIGRATION RESET STARTED**

**Explanation:** This information message indicates the start of the backup or migration reset process.

**Corrective Action:** No action is required.

**BKR341E INVALID PARAMETERS FOR BACKUP/MIGRATION RESET PROGRAM**

**Explanation:** This message is issued by the backup/migration reset utility. An invalid parameter was specified for the utility.

A backup/migration reset is not performed.

**Corrective Action:** Correct the parameters in the backup/migration reset utility job, and rerun the job.

**BKR342W BACKUP/MIGRATION JOB OF MISSION misName ODATE= modate TIMESTAMP= misTime IS RUNNING. THE MISSION WILL NOT BE RESET.**

**Explanation:** This message is issued by the backup/migration reset utility. The message warns that the indicated mission has reached the stage of checking the data sets’ backup/migration results, and the mission is therefore not affected by the utility.

The variables in this message are:

- `misName` - the name of the backup/migration mission
- `modate` - the original scheduling date of the backup/migration mission
- `misTime` - the time stamp of the backup/migration mission

The backup/migration reset utility does not affect the indicated mission.
Corrective Action: Perform the appropriate action as described in the utility log.

BKR343E CDAM dsname OR A RELATED FILE HAS NOT BEEN BACKED UP BY MISSION misName ODATE= modate TIMESTAMP= misTime

Explanation: This message is issued by the backup/migration reset utility. The message indicates that the dsname CDAM file, or its related Control-V index file, has not been backed up by the indicated backup mission.

If the utility is running in RESET mode, it resets the backup status of the corresponding report to WAITING FOR BACKUP.

Corrective Action: Rerun the indicated mission.

BKR344I BACKUP/MIGRATION RESET ENDED WITH RC= rc

Explanation: This information message indicates that the backup/migration reset utility has ended with a return code of rc. If the indicated return code is non-zero, the preceding messages explain the reason.

Corrective Action: Perform the appropriate action as noted in the preceding messages.

BKR345E NO PENDING MISSION misName ODATE= modate TIMESTAMP= misTime FOUND IN ACTIVE MISSION FILE

Explanation: This message is issued by the backup/migration reset utility when it is invoked with the MISNAME, MISTIME and MISODATE parameters, and the specified pending mission is not located in the Active Mission File.

A reset of the backup/migration is not performed.

Corrective Action: Correct the mission specification, and rerun the utility if needed.

BKR346E OPEN OF ACTIVE MISSIONS FILE FAILED. DDNAME=DAAMF

Explanation: The backup/migration reset utility was unable to open the Active Mission File. The utility terminates execution.

Corrective Action: Check the messages in the utility log, and correct the situation accordingly.

BKR347E UNABLE TO UPDATE STATUS OF MISSION misName ODATE= modate TIMESTAMP= misTime (RC= rc)

Explanation: This message is issued by the backup/migration reset utility. The message indicates that the utility was unable to reset the status of the indicated mission, due to an internal error.

Corrective Action: Processing of the indicated mission is skipped, and the utility continues processing the remaining missions. Contact your INCONTROL representative.

BKR348I RESULT OF MISSION misName ODATE= modate TIMESTAMP= misTime IS OK

Explanation: This information message is issued by the backup/migration reset utility, and indicates that the utility found no report waiting for a completion of the indicated mission.
When running in RESET mode, the backup/migration utility sets the status of the indicated mission to ENDED OK.

**Corrective Action:** No action is required.

**BKR349E RESULT OF MISSION misName ODATE= modate TIMESTAMP= misTime IS NOT OK**

**Explanation:** This message is issued by the backup/migration reset utility. The utility found a report waiting for completion of the indicated mission. The corresponding CDAM's data set name is displayed in the preceding messages.

When running in RESET mode, the backup/migration reset utility sets the status of the indicated mission to ENDED NOTOK.

**Corrective Action:** Rerun the indicated mission.

**BKR34AI MISSION misName ODATE= modate TIMESTAMP= misTime IS RESET**

**Explanation:** This information message is issued by the backup/migration reset utility while running in RESET mode. The message indicates that the status of the indicated mission is reset.

**Corrective Action:** Rerun the indicated mission if it ENDED NOTOK, or order another instance of the mission.

**BKR34BE CDAM dsname OR A RELATED FILE HAS NOT BEEN PRIMARILY/SECONDARILY MIGRATED BY MISSION misName TIMESTAMP= misTime**

**Explanation:** This message is issued by the backup/migration reset utility. The dsname CDAM file, or its related Control-V index file, has not been migrated by the indicated migration mission.

If the utility is running in RESET mode, it resets the status of the corresponding report to WAITING FOR MIGRATION.

**Corrective Action:** Rerun the indicated mission.

**BKR34CE UNABLE TO UPDATE STATUS OF MISSION misName ODATE= modate TIMESTAMP= misTime (SECURITY VIOLATION)**

**Explanation:** This message is issued by the backup/migration reset utility. The utility was unable to update the status of the indicated mission in the Active Mission File due to security reasons. The mission remains pending.

**Corrective Action:** Contact the security administrator to correct the problem, and then rerun the utility.

**BKR34DI UNABLE TO UPDATE STATUS OF MISSION misName ODATE= modate TIMESTAMP= misTime (MISSION DELETED)**

**Explanation:** This information message is issued by the backup/migration reset utility. The utility was unable to update status of the indicated mission because the mission was deleted from the Active Mission File during the utility execution.
Corrective Action: Order another instance of the mission if its result is NOTOK.

**BKR34EE ERROR IN PARAMETER MISNAME**

**Explanation:** This message is issued by the backup/migration reset utility when the MISNAME parameter is not specified or is specified incorrectly. 
The backup/migration reset is not performed.

**Corrective Action:** Correct the MISNAME parameter’s specifications and rerun the utility.

**BKR34FE ERROR IN PARAMETER MISTIME**

**Explanation:** This message is issued by the backup/migration reset utility when the MISTIME parameter is mandatory, but either it is not specified or it is specified incorrectly. 
The backup/migration reset is not performed.

**Corrective Action:** Correct the MISTIME parameter’s specifications and rerun the utility.

**BKR34GE ERROR IN PARAMETER MISODATE**

**Explanation:** This message is issued by the backup/migration reset utility when the MISODATE parameter is mandatory, but either it is not specified or it is specified incorrectly. 
The backup/migration reset is not performed.

**Corrective Action:** Correct the MISODATE parameter’s specifications and rerun the utility.

**BKR34HI {BACKUP | MIGRATION} MISSION misName ODATE= misoDate TIMESTAMP= misTime IS ALLOWED FOR START**

**Explanation:** This information message is issued by the backup/migration reset utility. It means that the utility has detected the start of processing of the indicated mission, and will not affect it during the execution.

**Corrective Action:** No action is required.

**BKR34SE UNABLE TO UPDATE STATUS OF MISSION misName ODATE= misoDate TIMESTAMP= misTime (UPDATE QUEUE OVERFLOW)**

**Explanation:** The BKPRESET or MIGRESET utility cannot reset the status of the mission indicated in the message because of overflow of the update queue in the Active Mission file service. 
The mission remains in status IN PROCESS.

**Corrective Action:** Rerun the utility. If the problem recurs, prepare the IOA LOG and contact BMC Customer Support.

**BLD messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
Messages BLD900 through BLD9xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

BLD971S OPEN OF CONTROL-M {ACTIVE | HISTORY} JOBS FILE FAILED

**Explanation:** Either the FORMCKP utility, which allocates and formats the Active Jobs file, or the FORMHST utility, which allocates and formats the Active History file, failed to open the file for formatting.

Possible causes are:

- The DACKPT DD statement (for the Active Jobs file) is missing.
- The DAHIST DD statement (for the History Jobs file) is missing.
- There is insufficient memory for the job.

The utility ends with a condition code of 08.

**Corrective Action:** If a DD statement is missing, add the correct DD statement and rerun the job. If the problem is memory, specify a higher value for the REGION parameter.

BLD972I BUILDING OF CONTROL-M {ACTIVE | HISTORY} JOBS FILE STARTED

**Explanation:** This information message indicates the normal start of one of the following Control-M utilities:

- the FORMCKP utility that allocates and formats the Active Jobs file
- the FORMHST utility that allocates and formats the History Jobs file

**Corrective Action:** No action is required.

BLD973I BUILDING OF CONTROL-M {ACTIVE | HISTORY} JOBS FILE ENDED

**Explanation:** This information message indicates the normal termination of one of the following Control-M utilities:

- the FORMCKP utility that allocates and formats the Active Jobs file
- the FORMHST utility that allocates and formats the History Jobs file

**Corrective Action:** No action is required.

BLD974S CONTROL-M {ACTIVE | HISTORY} JOBS FILE WAS NOT BUILT.

**Explanation:** Either the FORMCKP utility, which allocates and formats the Active Jobs file, or the FORMHST utility, which allocates and formats the Active History file, failed.

**Corrective Action:** Check the previous error messages which describe the type of error, and correct the problem accordingly.
BLD975S CONTROL-M {ACTIVE | HISTORY} JOBS FILE WRITE ERROR

**Explanation:** An I/O error occurred while formatting the Control-M Active Jobs file or History Jobs file. This error may be caused by an incompatibility between the installation parameters, which are contained in CTMPARM, that define the Active Jobs file or the History Jobs file, and the JCL SPACE and DCB parameters.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct either the JCL or the Installation Parameters file.

BLD976S OPEN OF IOA LOG FILE FAILED

**Explanation:** The FORMCKP utility, which is used to allocate and format the Active Jobs file, could not open the IOA Log.

Possible causes are:

- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is from a different version or a different IOA installation.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job. For more information about the FORMCKP utility, see the *INCONTROL for z/OS Utilities Guide*.

BLG messages

This group includes messages for the IOA (infrastructure) product.

Messages BLG900 through BLG9xx

This group includes messages for the IOA (infrastructure) product.

BLG961S IOA LOG FILE MUST CONTAIN MORE THAN 100 RECORDS

**Explanation:** The value of the LOGSIZE IOA Installation Parameter is less than 100.

The utility stops executing with a condition code of 08.

**Corrective Action:** Do the following:

1. Enter the INCONTROL Installation and Customization Engine (ICE).
2. Redo the space calculation for the LOG file and save the parameters.
3. Rerun the utility.

BLG962S OPEN OF IOA LOG FILE FAILED

**Explanation:** The Log file format program failed to open the file for formatting. A possible cause is that the DALOG DD statement is missing.
The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**BLG963S FORMATTING IOA LOG - WRITE I/O ERROR**

**Explanation:** An I/O error occurred while formatting the IOA Log file. This error may occur when there is incompatibility between the definition of the Log file in the Installation Parameters (IOAPARM) and the JCL SPACE and DCB parameters.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct either the JCL or the Installation Parameters.

**BLG964I FORMATTING OF IOA LOG FILE STARTED**

**Explanation:** This information message indicates that the IOA Log file format process has started.

**Corrective Action:** No action is required.

**BLG965I FORMATTING OF IOA LOG FILE ENDED**

**Explanation:** This information message indicates that the IOA Log file format process has terminated normally.

**Corrective Action:** No action is required.

**BLG966S IOA LOG FILE WAS NOT BUILT**

**Explanation:** Formatting of the IOA Log file failed.

**Corrective Action:** Look in the job log or SYSPRINT for error messages that describe the type of error.

**BLG967S IOA LOG FILE RECFM IS NOT F OR FB**

**Explanation:** The Record format parameter specified in the DALOG DD statement is not F (fixed) or FB (fixed blocked).

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**BLG968S IOA LOG FILE BLOCK SIZE MUST BE A MULTIPLE OF 200**

**Explanation:** The block size specified in the DALOG DD statement must be a multiple of 200, which is the Log file record length.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**BLG969S IOA LOG FILE ALLOCATION IS TOO SMALL. USE ICE TO CALCULATE THE IOA LOG FILE SIZE**

**Explanation:** The space allocated for the IOA Log file cannot contain the number of records specified in the LOGSIZE IOA installation parameter.
The utility stops executing with a condition code of 08.

**Corrective Action:** Do the following:
1. Enter the INCONTROL Installation and Customization Engine (ICE).
2. Redo the space calculation for the LOG file and save the parameters.
3. Rerun the job with the new value calculated by ICE.

**BLG96AW IOA LOG FILE IS TOO LARGE. ONLY numBlocks BLOCKS WILL BE FORMATTED**

**Explanation:** The space allocated for the IOA Log file is greater than the space required to hold the number of records specified in the LOGSIZE IOA installation parameter.

In this message, *numBlocks* is the number of blocks that will be used.

The utility formats the file according to the LOGSIZE specification and ends with a condition code of 04. Some of the space in the file will not be used.

**Corrective Action:** To reformat the file with the correct space allocation, do the following:
1. Enter the INCONTROL Installation and Customization Engine (ICE).
2. Redo the space calculation for the LOG file and save the parameters.
3. Rerun the job with the new value calculated by ICE.

**BLG96BS serviceName FAILED WITH RETURN CODE rc AND REASON CODE rsn**

**Explanation:** A service invoked by the Log format utility failed.

The variables in the message are:
- *serviceName* - the name of the service.
- *rc* - the return code returned by the service.
- *rsn* - the reason code returned by the service.

The utility stops executing with a condition code of 08.

**Corrective Action:** Save the job’s SYSOUT and have your system programmer call your IOA representative for assistance.

**BLG96CS IOA LOG FILE BLKSIZE MUST BE EQUAL TO LRECL WHEN RECFM=F IS USED**

**Explanation:** The DCB attributes specified in the DALOG DD statement are incorrect.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job:
- RECFM can be either F or FB
- When RECFM=F, LRECL and BLKSIZE should be 200 or a multiple of 200.
- When RECFM=FB, LRECL must be 200 and BLKSIZE must be a multiple of 200.

**BLG96DS I OA LOG FILE LRECL MUST BE EQUAL TO 200 WHEN RECFM=FB IS USED**

**Explanation**: The DCB attributes specified on the DALOG DD statement are incorrect. The utility stops executing with a condition code of 08.

**Corrective Action**: Correct the JCL and rerun the job:
- RECFM can be either F or FB
- When RECFM=F, LRECL and BLKSIZE should be 200 or a multiple of 200.
- When RECFM=FB, LRECL must be 200 and BLKSIZE must be a multiple of 200.

**BLT messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages BLT800 through BLT8xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**BLT893I CURRENT TABLE tableName LIBRARY lib**

**Explanation**: This information message is produced by the CTMBLT Control-M utility. It accompanies other messages that identify
- the actual error condition
- the data in the input stream that caused the error

The variables in this message are:
- `tableName` - the name of the table in which the error occurred
- `lib` - the name of the library in which the error occurred

Processing continues, and terminates with a nonzero return code.

**Corrective Action**: Correct the error and rerun the job.

**BLT894I JOB =jobName**

**Explanation**: This information message is produced by the CTMBLT Control-M utility. It accompanies other messages that identify
- the actual error condition
- the data in the input stream that caused the error
- In this message, jobName is the name of the job that was being processed when the error occurred. If no value is given for jobName, the problematic parameter may be job-independent, for example, a global or super-global parameter.

Processing continues, and terminates with a nonzero return code.

Corrective Action: Correct the error and rerun the job.

BLT895I JOB =jobName, KEYWORD =keywd (reason)

Explanation: This information message is produced by the CTMBLT or CTMTLB Control-M utility. It usually accompanies other messages that identify
- the actual error condition
- the data in the input stream that caused the error

The variables in this message are:
- jobName - the name of the job (MEMNAME) that was being processed when the error occurred
- keywd - the problematic keyword parameter
- reason - this can be one of the following values:
  - For the CTMBLT utility, if GLOBAL appears in the message text, the keyword parameter is either a global or super-global parameter.
  - For the CTMTLB utility, when NOSUPP appears in the message text, the field in the job scheduling definition designated by the keyword parameter is not supported when producing the XML file. The field may either be ignored by the utility or may require the user to modify the job scheduling definition. See the INCONTROL Utilities Guide and the User Response (below) for further information.

Processing continues, and terminates with a nonzero return code.

Corrective Action: Correct the error, if necessary, and rerun the job.

If the error is a result of executing one of the Control-M conversion tools, then the following scenario occurred: The conversion created a distributed job definition, but included in the definition a parameter which is not supported in the Control-M distributed platform.

For example, if the non-supported keyword is PREV_DAY, then the conversion determined that the job definition requires a SAC parameter (the equivalent of PREV_DAY on the mainframe platform) to properly schedule the job, because of a Control-M NEWDAY time that differs from midnight. However, the PREV_DAY parameter is not valid for distributed job definitions, so the user must either manually adjust the job's scheduling criteria or change the site's NEWDAY time and rerun the conversion.

BLT896I JOB =jobName, KEYWORD = keywd (GLOBAL), VALUE = val

Explanation: This information message is produced by the CTMBLT Control-M utility. It accompanies other messages that identify
the actual error condition
• the data in the input stream that caused the error

The variables in this message are:
• jobName - the name of the job that was being processed when the error occurred
• keywd - the problematic keyword parameter
• val - the value that caused the error
• GLOBAL - When GLOBAL appears in the text of the message, the keyword parameter is either a global or super-global parameter.

Processing continues, and terminates with a nonzero return code.

Corrective Action: Correct the error and rerun the job.

BLT897E MANDATORY PARAMETER parm IS MISSING

Explanation: A mandatory parameter statement (parm) is missing.

Processing continues, and terminates with a nonzero return code.

For ON-CAPTURE blocks, the message contains the following text:
PARAMETER INTO/SEARCH parm IS MISSING

Where parm is the value of the ON-CAPTURE parameter (block header ID or *END) that caused the previous block to be evaluated.

Note that "INTO/SEARCH" is an abbreviation for "CAPT-INTO or CAPT-SEARCH".

Corrective Action: Add the missing statement or statements, and rerun the job.

BLT898E KEYWORD= keywd, VALUE= val INVALID

Explanation: A CTMBLT utility keyword input statement is incorrect for one of the following reasons:
• the keyword input statement does not specify a valid parameter
• the value specified for val is too long
• no value is specified for val
• the value specified for val contains invalid characters

The values in this message are:
• keywd - the problematic keyword input statement
• val - the problematic value

The keywd keyword input statement is not processed. Processing continues and the utility ends with a return code of 08.

Corrective Action: Correct the keyword input statement and rerun the job.
INCONTROL for z/OS Messages Manual

BLT899E MISPLACED KEYWORD PARAMETER *keywd*

**Explanation:** The *keywd* keyword parameter is incorrectly placed within the run stream of the CMTBLT Control-M utility control statement.

Many keyword parameters in CTMBLT control statements are location-sensitive, meaning that they must be placed in the correct position within the control statement.

This error is sometimes caused by a prior error.

Processing continues, and terminates with a nonzero return code.

**Corrective Action:** Correct the error and rerun the job.

BLT89AI TABLE *tableName* action IN LIBRARY *lib* BY *userId*

**Explanation:** The CTMBLT or CTMTBUPD Control-M utility has added/replaced or updated the *tableName* table in the *lib* library. The action was performed by the *userId* user or job.

For the CTMBLT utility, ignore this message if it is displayed when both the following conditions exist:

- a scheduling table is being ordered or forced
- this scheduling table is not being saved into a scheduling library

This can occur, for example, if MEM-OVERWRITE is set to ORDER or FORCE.

For the CTMTBUPD utility, the table remains unchanged if the jobs selected in the table are not affected by the update criteria (for example, if the update criteria specifies IN or OUT but no IN or OUT condition in the job definitions match).

**Corrective Action:** No action is required.

BLT89BI TOTAL NUMBER OF TABLES PROCESSED= *num*

**Explanation:** The CTMBLT or CTMTBUPD Control-M utility added or replaced *num* tables in the job scheduling library that was specified in the LIBRARY control statement (CTMBLT only) or the DASCHD DD statement.

For the CTMTBUPD utility, there are runs after which one or more of the replaced tables appear unchanged. For more information, see message BLT89AI.

**Corrective Action:** No action is required.

BLT89CW JOB SCHEDULING DEFINITION VERSION INCOMPATIBLE - MODEL VERSION USED.

**Explanation:** In the CTMBLT utility, the MODEL parameter has specified a job scheduling definition which was created in a version earlier than 6.2.0. The utility creates the scheduling table using that earlier scheduling definition format (earlier than 6.2.0) of the job in the MODEL parameter. This may potentially cause corruption in the newly created scheduling table due to format differences.

The utility continues, but ends with a return code of 8.

**Corrective Action:** To prevent this error, ensure that all jobs specified in the MODEL parameter are in version 6.2.0 format.
BLT89DI NO JOB DEFINITIONS SELECTED BY "SEL" CRITERIA

**Explanation:** In the CTMTBUPD utility, the SEL selection criteria did not cause any job definitions to be selected.

The job ends with a return code specified by the NOUPDRC control parameter (default 0).

**Corrective Action:** No action is necessary.

BMS messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages BMS900 through BMS9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

BMS971S OPEN OF CONTROL-D ACTIVE MISSIONS FILE FAILED

**Explanation:** The CTDFRAMS Control-D utility, which is used to allocate and format the Active Missions file, failed to open the file for formatting.

Possible causes are:

- The DAAMF DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

BMS972I BUILDING OF CONTROL-D ACTIVE MISSIONS FILE STARTED

**Explanation:** This information message indicates that the CTDFRAMS utility, which allocates and formats the Active Missions file, has started.

**Corrective Action:** No action is required.

BMS973I BUILDING OF CONTROL-D ACTIVE MISSIONS FILE ENDED

**Explanation:** This information message indicates that the CTDFRAMS utility, which allocates and formats the Active Missions file, has ended normally.

**Corrective Action:** No action is required.

BMS974S CONTROL-D ACTIVE MISSIONS FILE WAS NOT BUILT

**Explanation:** The CTDFRAMS utility failed.

**Corrective Action:** Look for additional clarification messages on the IOA Log.
BMS975S CONTROL-D ACTIVE MISSIONS FILE WRITE ERROR

**Explanation:** I/O error while formatting the Control-D Active Missions file.
This error may occur when there is incompatibility between the definition of the Active Missions file in one or more of the following:

- the installation parameters (CTDPARM)
- the JCL SPACE parameter
- the DCB parameters

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct either the JCL or the installation parameters.

BMS976S OPEN OF IOA LOG FILE FAILED

**Explanation:** The CTDFRMS utility, which is used to allocate and format the Active Missions file, could not open the IOA Log.
Possible causes are:

- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is from a different version or a different IOA installation.
- The IOAFRLOG utility, which allocates and formats the IOA Log, has not yet been run, or did not finish executing normally.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

BNR messages

This group includes messages for the IOA (infrastructure) product.

Messages BNR900 through BNR9xx

This group includes messages for the IOA (infrastructure) product.

BNR941S OPEN OF IOA LOG FILE FAILED

**Explanation:** The CTMFRNRS utility, which allocates and formats a new Conditions file, could not open the IOA Log.

Possible causes are:
The DALOG DD statement is missing.

- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA monitor.
- The CTMFRLLOG utility that allocates and formats the IOA Log was not yet run or did not finish executing normally.

The utility stops executing with a condition code of 08.

**Corrective Action:** Do one of the following:

- Correct the JCL and rerun the job.
- If the IOA Log is not yet formatted, run the CTMFRLLOG utility, then rerun the job.

### BNR943S OPEN OF IOA MANUAL CONDITIONS SYNCHRONIZATION FILE FAILED

**Explanation:** The IOAFRNRS utility, which is used to allocate and format the file, failed to open the file for formatting.

Possible causes are:

- The DACKPT DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL, and rerun the job.

### BNR944I BUILDING OF IOA MANUAL CONDITIONS FILE STARTED

**Explanation:** This information message indicates that the IOAFRNRS utility started.

The IOAFRNRS utility allocates and formats the Manual Conditions file.

**Corrective Action:** No action is required.

### BNR945I BUILDING OF IOA MANUAL CONDITIONS FILE ENDED

**Explanation:** This information message indicates that the IOAFRNRS utility, which allocates and formats the Manual Conditions file, ended normally.

**Corrective Action:** No action is required.

### BNR946S IOA MANUAL CONDITIONS FILE WAS NOT BUILT

**Explanation:** The IOAFRNRS utility failed.

**Corrective Action:** Look for previous error messages which will describe the type of the error.
BRS messages

This group includes messages for the IOA (infrastructure) product.

Messages BRS900 through BRS9xx

This group includes messages for the IOA (infrastructure) product.

BRS981S OPEN OF IOA LOG FILE FAILED

**Explanation:** The IOAFRRES utility, which is used to allocate and format the Control-M Resources file, could not open the IOA Log.

Possible causes are:

- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA monitor.
- The IOAFRLOG utility that allocates and formats the IOA Log was not yet run or did not finish executing normally.

The utility stops executing with a condition code of 08.

**Corrective Action:** Do one of the following:

- Correct the JCL and rerun the job.
- If the Log is not yet formatted, run the CTMFROG utility, then rerun the job.

BRS982S OPEN OF IOA CONDITIONS FILE FAILED

**Explanation:** The IOAFRRES IOA utility, which is used to allocate and format the IOA Conditions file, failed to open the IOA Conditions file for formatting.

Possible causes are:

- The DARESC DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

BRS983S OPEN OF IOA SYNCHRONIZATION FILE FAILED

**Explanation:** The IOAFRRES IOA utility, which is used to allocate and format the Control-M Resources Synchronization file, failed to open the Resources Synchronization file for formatting.

Possible causes are:
The DASINC DD statement is missing.

There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

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**BRS984I BUILDING OF IOA CONDITIONS FILE STARTED**

**Explanation:** This information message indicates that the IOAFRRES utility, which allocates and formats the IOA Conditions file, has started.

**Corrective Action:** No action is required.

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**BRS985I BUILDING OF IOA CONDITIONS FILE ENDED**

**Explanation:** This information message indicates that the IOAFRRES utility, which allocates and formats the IOA Conditions file, has ended normally.

**Corrective Action:** No action is required.

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**BRS986S IOA CONDITIONS FILE WAS NOT BUILT**

**Explanation:** The IOAFRRES utility failed.

**Corrective Action:** Look for previous error messages that describe the type of error.

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**BSD messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

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**Messages BSD300 through BSD3xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

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**BSD314I ADDING SMF ID smfid WAS SUCCESSFUL**

**Explanation:** This information message indicates that a new SMF ID (smfid) was added successfully to the CMEM monitor, to the M2S subsystem file, by the FORMSUB3 job.

**Corrective Action:** To make the definition active, stop and restart the Control-M monitor and the Control-O or CMEM monitor on the system with the SMF ID.

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**BSD315I {BUILDING | UPDATING} OF SUBSYSTEM COMMUNICATION DATASETS STARTED**

**Explanation:** This information message indicates that the FORMSUB1 and FORMSUB2 utilities, which allocate and format Console Subsystem communications files, have started.

**Corrective Action:** No action is required.
BSD316I {BUILDING | UPDATING} OF SUBSYSTEM COMMUNICATION DATASETS ENDED

**Explanation:** This information message indicates that the FORMSUB1 and FORMSUB2 utilities, which allocate and format Console Subsystem communications files, have ended normally.

**Corrective Action:** No action is required.

BSD317S {BUILDING | UPDATING} OF SUBSYSTEM COMMUNICATION DATASETS FAILED

**Explanation:** The FORMSUB1 or the FORMSUB2 utility failed.

**Corrective Action:** Look for a previous error message which describes the cause of the error.

BSD318S OPEN OF DDNAME `ddName` FAILED

**Explanation:** Open of the `ddName` DD statement failed.

Possible causes are:
- The `ddName` DD statement is missing.
- The `ddName` DD statement does not define a valid communication file.

**Corrective Action:** Correct the JCL of the formatting job.

BSD319S I/O ERROR OCCURRED WHILE BUILDING THE SUBSYSTEM COMMUNICATION DATASETS

**Explanation:** An I/O error occurred while the FORMSUB1 or the FORMSUB2 utility was formatting a subsystem communication file.

Possible causes are:
- The utility loaded old and incorrect IOACPRM installation parameters.
- The JCL references an invalid data set.
- The file size defined in the IOACPRM parameters member is different from the size that was defined in the JCL.

**Corrective Action:** Check the JCL of the formatting job, and the location and content of the IOACPRM member.

BSD325S SMFID `smfid` IS NOT DEFINED IN IOA INSTALLATION PARAMETERS

**Explanation:** The FORMSUB1 or the FORMSUB2 utility is running under a CPU that was not defined in the IOACPRM parameters member.

Possible causes are:
- The CPU in which the utility was run was not defined in IOACPRM.
- The utility loaded an incorrect copy of the IOACPRM member.
- The computer in which the utility was run is a multi-CPU computer, and the SID parameter in the SMFPRM \( xx \) member in SYS1.PARMLIB does not define all of the CPUs correctly.

**Corrective Action:** Do the following:
- Check what CPUs were defined in IOACPRM.
- Check where the IOACPRM member was placed.
- If the IOACPRM definition seems to be correct, check the SMF ID that was defined in SYS1.PARMLIB.
- In a multi-CPU computer, issue the MVS command D M=CPU from the console to get a listing of all CPU serial numbers, and compare them with the PARMLIB definitions.

**BSD326E** **MISSING/INVALID SUBSYSTEM PARAMETERS IN IOACPRM**

**Explanation:** The FORMSUB1 or the FORMSUB2 utility encountered one or more subsystem-related parameters in the IOACPRM member that were defined incorrectly or were not defined at all.

**Corrective Action:** Check the following parameter definitions in the IOACPRM member, and correct them if needed:
- SUBSYS
- CTM2SBS
- CPUS.

**BTR messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages BTR0 through BTR0xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**BTR001S** **UNABLE TO OPEN BUNDLE TRACKING FILE**

**Explanation:** The CTDTBTR (Bundle Tracking System screen) program failed to open the Bundle Tracking file.

The CTDTBTR program ends.

**Corrective Action:** Check the messages in the sysout of the program, and correct the problem accordingly. Return to the Bundle Tracking System screen (DT screen).
BTR002E SPECIFIED TIME IS INVALID

**Explanation:** An invalid TIME parameter was specified in the Bundle Tracking System screen (DT screen) SHOW option.

**Corrective Action:** Specify a valid time.

BTR003E "UNTIL TIME" IS EARLIER THAN "FROM TIME"

**Explanation:** The UNTIL TIME specified in the SHOW window of the Bundle Tracking System screen (DT screen) is earlier than the FROM TIME.

**Corrective Action:** Change the value of either the UNTIL TIME or the FROM TIME appropriately.

BTR004E FIELD MUST BE NUMERIC

**Explanation:** A non-numeric symbol was entered into the JOBID field in the SHOW window of the Bundle Tracking System screen (DT screen).

**Corrective Action:** Replace the non-numeric symbol with a numeric one.

BTR005S INTERNAL ERROR 1. REQUESTED OPTION CANNOT BE PERFORMED

**Explanation:** Internal error occurred while processing an option in the BTR screen. The requested option is not processed.

**Corrective Action:** Refer the problem to the INCONTROL administrator, who must check the system and IOA logs for further messages, and correct the problem accordingly.

BTR007E PROGRAM FAILED TO READ BUNDLE TRACKING FILE

**Explanation:** A record was deleted from the bundle tracking file.

**Corrective Action:** Reenter the BTR screen.

BTR008E ENTRY IS IN USE. TRY AGAIN LATER

**Explanation:** The CTDTBTR program tried to read a record which was being used by another program.

**Corrective Action:** Try again later.

BTR009E THIS ENTRY WAS CHANGED BY ANOTHER USER

**Explanation:** The entry was changed by another user just before the current user tried to update it. Before the CTDTBTR program updates a record, it reads the record with exclusive ENQ to allow updating of the record by another user during its processing. This message is issued when the CTDTBTR program detects that the record was changed between the last READ function and READ with ENQ.

**Corrective Action:** Try again later.
BTR010S ERROR UPDATING BUNDLE TRACKING FILE. REASON \textit{rsn}

\textbf{Explanation:} An error occurred when updating the Bundle Tracking file.

In this message, \textit{rsn} is the reason code issued by the File Access program.

The update of the current bundle fails.

\textbf{Corrective Action:} Refer the problem to your INCONTROL administrator who should check the system and IOA logs for further messages, and correct the problem accordingly.

BTR011E CANNOT PERFORM ZOOM DUE TO STORAGE ALLOCATION FAILURE

\textbf{Explanation:} There was not enough memory available to perform the zoom function.

\textbf{Corrective Action:} Increase the region size for this environment.

BTR012I BUNDLE \textit{bundleName} SUCCESSFULLY UPDATED

\textbf{Explanation:} This information message indicates that the \textit{bundleName} bundle was successfully updated.

\textbf{Corrective Action:} No action is required.

BTR013E INVALID VALUE. SPECIFY "B" OR "U"

\textbf{Explanation:} An incorrect character was specified in the SORT OPTION field in the SHOW window of the Bundle Tracking System screen (DT screen). The only valid values are "B" or "U".

\textbf{Corrective Action:} Specify "B" or "U."

Messages BTR200 through BTR2xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

BTR200I CTDCBTR STARTED

\textbf{Explanation:} This information message indicates that the CTDCBTR Control-D utility has started.

\textbf{Corrective Action:} No action is required.

BTR201I CTDCBTR ENDED OK

\textbf{Explanation:} This information message indicates that the CTDCBTR Control-D utility has ended normally.

\textbf{Corrective Action:} No action is required.

BTR202S CTDCBTR ENDED WITH ERRORS

\textbf{Explanation:} The CTDCBTR Control-D utility ended with errors. The utility stops executing.
Corrective Action: Check the job sysout for any error messages, and correct the problem accordingly. Rerun the job.

BTR203S DELETE FAILED FROM BTR FILE
Explanation: The CTDCBTR utility failed to delete a record from the Bundle Tracking (BTR) file. The CTDCBTR utility terminates.
Corrective Action: Check for other messages relating to this problem, and correct accordingly. Rerun the utility.

BTR204S PROBLEM DETECTED IN UTILITY CTDCBTR PARAMETERS
Explanation: A problem was detected in the input parameters of the CTDCBTR utility. This message can be triggered by a number of causes, such as no parameters at all being specified, or the DABTRIN DD statement being absent.
The CTDCBTR utility ends.
Corrective Action: Do the following:
- Check the parameters specified for the utility.
- Check for a DABTRIN DD statement.
- Correct the input as appropriate.
- Rerun the job.

BTR205I NUMBER OF DELETED RECORDS: num
Explanation: This information message indicates the number of records deleted by the CTDCBTR utility. In this message, num is the number of deleted records.
Corrective Action: No action is required.

BTR206I INPUT CARDS: input_cards
Explanation: This information message displays the input parameters that were specified in the JES log of the job for the CTDCBTR utility.
In this message, input_cards consists of the specified input parameters.
Corrective Action: No action is required.

BTR207E REDUNDANT PARAMETER: input_card
Explanation: A superfluous parameter was specified for the CTDCBTR utility.
In this message, input_card is the superfluous parameter.
The CTDCBTR utility ends.
Corrective Action: Remove the superfluous input parameter and rerun the utility.
CAJ messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CAJ A00 through CAJ Axx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CAJA30I OLD JOBS FILE NEEDED # recs RECORDS FOR # jobs JOBS

Explanation: The AJF conversion utility issues this information message to show the number of jobs on the old Active Jobs file, and the number of old Active Jobs file records that were needed to store these jobs.

The variables in this message are:
- #recs - the number of old AJF records required to store #jobs
- #jobs - the number of jobs on the old AJF

Corrective Action: No action is required.

CAJA31I NEW JOBS FILE NEEDS #recs RECORDS FOR #jobs JOBS

Explanation: The AJF conversion utility issues this information message to show the number of jobs on the new Active Jobs file, and the number of new Active Jobs file records that are now needed to store these jobs.

The variables in this message are:
- #recs - the number of new AJF records required to store #jobs
- #jobs - the number of jobs on the new AJF

Corrective Action: No action is required.

CAJA32I PERCENTAGE OF RECORDS RELEASED IN NEW JOBS FILE: nn%

Explanation: The AJF conversion utility issues this information message to show the percentage of unused records in the new Active Jobs file (AJF).

In this message, nn% is the percentage of unused records in the new AJF.

Corrective Action: No action is required.

CAJA33I AVERAGE NUMBER OF RECORDS PER JOB IN NEW JOBS FILE: nn.nn

Explanation: The AJF conversion utility issues this information message to show the average number of records used to store one job on the new Active Jobs file.

In this message, nn.nn is the average number of records.
**Corrective Action:** No action is required.

**CAJA34I AVERAGE NUMBER OF FREE BYTES PER JOB IN NEW JOBS FILE: #bytes**

**Explanation:** The AJF conversion utility issues this information message to show the average number of unused bytes (#bytes) in the records used to store one job on the new Active Jobs file.

In this message, #bytes is the average number of unused bytes.

**Corrective Action:** No action is required.

**CAJA3AS OLD STEPLIB AND NEW STEPLIB ARE THE SAME**

**Explanation:** The CTMCAF utility cannot convert the file from one version to another because only one Load library was indicated. The STEPOLD DD statement should point to the Load library of the previous version, but it points to the Load library of the new version.

The CTMCAF utility terminates with a return code of 08.

**Corrective Action:** Correct the STEPOLD DD statement so that it points to the Load library of the previous version, and rerun the job.

**CAJA3BS SIZE OF OLD JOBS FILE DIFFER FROM SIZE OF NEW ONE**

**Explanation:** The CTMCAF utility cannot convert the file from one version to another because the CKP file sizes are not identical. The conversion requires the same size files for the new version and the old version. The file size should match the size specified in CTMPARM.

The CTMCAF utility terminates with a return code of 08.

**Corrective Action:** Correct the file sizes so they are identical for both versions, and rerun the job.

**CAJA3CS LOAD MODULE CTMLOGR FAILED**

**Explanation:** An internal error occurred during the load of the CTMLOGR module.

The CTMCAF utility terminates with a return code of 08.

**Corrective Action:** Have your INCONTROL administrator record the return code, prepare the Control-M monitor full output, and contact BMC Customer Support.

**CAJA3DS DELETE MODULE CTMLOGR FAILED**

**Explanation:** An internal error occurred during deletion of the CTMLOGR module.

The CTMCAF utility terminates with a return code of 08.

**Corrective Action:** Have your INCONTROL administrator contact your INCONTROL administrator.

**CAJA40I JOBS FILE CONVERSION STARTED**

**Explanation:** This information message indicates that the process of converting or copying an Active Jobs file has started.

**Corrective Action:** No action is required.
CAJA41S OPEN OF OLD JOBS FILE FAILED. DDNAME "DAOLDAJF"

Explanation: The Active Jobs file (AJF) conversion utility failed to open the input Control-M AJF. The conversion is terminated. No changes are made to the output file.

Corrective Action: Look at the JCL for the specific file and see if it contains a valid Control-M AJF. If it does not, correct and rerun the job.

CAJA42S OPEN OF NEW JOBS FILE FAILED. DDNAME "DANEWAJF"

Explanation: The Active Jobs file (AJF) conversion utility failed to open the output Control-M AJF. The conversion is terminated. No changes are made to the output file.

Corrective Action: Look at the JCL for the specific file and see if it contains a valid Control-M AJF. If it does not, correct and rerun the job.

CAJA43S FILE ALLOCATED TO DD STATEMENT "DAOLDAJF" IS NOT AN OLD FORMAT JOBS FILE

Explanation: The Active Jobs file (AJF) conversion utility opened the input Control-M AJF and found its format invalid. The conversion is terminated. No changes are made to the output file.

Corrective Action: Check the JCL for the specific file and see if it contains a valid Control-M file from an earlier release. If it does not, correct and rerun the job.

CAJA44S NEW DAY PROCEDURE IS CURRENTLY WORKING ON THE OLD JOBS FILE

Explanation: The Active Jobs file (AJF) conversion utility opened the input Control-M AJF and found that it was being formatted by the Control-M New Day procedure, or that a previous run of the New Day procedure has failed. The conversion is terminated. No changes are made to the output file.

Corrective Action: Check whether the New Day procedure is currently running. After it finishes executing, shut down the old Control-M and rerun the job.

CAJA45S FILE ALLOCATED TO DD STATEMENT "DANEWAJF" IS NOT A NEW FORMAT JOBS FILE

Explanation: The Active Jobs file (AJF) conversion utility opened the output Control-M AJF and found its format invalid. The conversion is terminated. No changes are made to the output file.

Corrective Action: Look at the JCL for the specific file and see if it contains a valid Control-M AJF from a current or new release. If it does not, correct and rerun the job.
CAJA47S FILE ALLOCATED TO DD STATEMENT "DANEWAJF" IS NOT EMPTY

**Explanation:** The Active Jobs file (AJF) conversion utility opened the output Control-M AJF and found it not to be empty.

The conversion is terminated. No changes are made to the output file.

**Corrective Action:** The file must be empty. Format the new file using the FORMCKP utility.

CAJA48E FILE ALLOCATED TO DD STATEMENT "DAOLDAJF" IS EMPTY

**Explanation:** The Active Jobs file (AJF) conversion utility opened the input Control-M AJF and found it to be empty.

The conversion is terminated. No changes are made to the output file.

**Corrective Action:** Look at the JCL for the specific file and see if it contains the right AJF. If it does, no conversion is necessary.

CAJA49S OPEN OF OLD STEPLIB FAILED

**Explanation:** Open of the library allocated to the STEPOLD DD statement failed.

Possible causes are:

- The STEPOLD DD statement is missing.
- The file allocated to the STEPOLD DD statement is not a load module library.

The conversion program terminates with a condition code of 08.

**Corrective Action:** Check that the STEPOLD DD statement is allocated to a load module library.

CAJA50S I NTERNAL ERROR WHILE CONVERTING RESOURCES

**Explanation:** The Active Jobs file (AJF) conversion utility started executing but encountered an invalid format of job entries in the input file.

The conversion program has encountered a job which has invalid entries in the Control-M AJF.

The conversion is terminated at the job definitions which are invalid.

**Corrective Action:** Do the following:

1. Look in the new AJF for the last job converted. The next job in the old AJF is the problem job.
2. Supply your INCONTROL administrator with a dump of the old AJF, stating the job on which the error occurred.
3. Delete the job entry using the Control-M Online Facility.
4. Compress the old AJF.
5. Rerun the job.
CAJA51S QNAME PARAMETER DOES NOT FIT QNAME IN JOBS FILE

**Explanation:** The IOAPARM of the old or new version does not fit the Active Jobs file of that version. The probable cause is that STEPLIB (or STEPOLD) does not point to the library containing the appropriate CTMPARM, or that the file allocated to the DAOLDAJF or DANEWAJF DD name is not of the correct version.

The conversion program terminates with a condition code of 08.

**Corrective Action:** Check that the library allocated to the DAOLDAJF or DANEWAJF DD name contains the correct IOAPARM, and check that the file allocated to the DAOLDAJF or DANEWAJF DD name is the correct file.

CAJA52S INTERNAL ERROR OCCURRED DURING CONVERSION. RC=rc

**Explanation:** An internal error has occurred during the execution of the conversion program.

The conversion program terminates with a condition code of 08.

**Corrective Action:** Notify your INCONTROL administrator.

CAJA53I CONVERSION OF JOBS FILE ENDED WELL

**Explanation:** This information message indicates that the process of converting or copying the Active Jobs file ended OK.

**Corrective Action:** No action is required.

CAJA54S CONTROL-M/RESTART WAS INSTALLED IN PREVIOUS VERSION, AND IS NOT INSTALLED NOW

**Explanation:** Control-M/Restart was installed in the old version, but not in the newly defined version. The conversion program terminates with a condition code of 08.

**Corrective Action:** Check why Control-M/Restart is not installed in new version, and make sure that it is installed before rerunning the conversion program.

CAL messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CAL200 through CAL2xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CAL295I BUILDING JOB CALENDARS STARTED

**Explanation:** This information message indicates that the CTMRCAL utility started to create the calendars. Calendars will be built for each job in the table, according to its date scheduling criteria.
Corrective Action: No action is required.

CAL296I BUILDING JOB CALENDARS ENDED OK
Explanation: This information message indicates that the CTMRCAL utility finished creating the calendars.
Corrective Action: No action is required.

CAL297E INVALID RETYPE PARAMETER VALUE - ‘S’ SUBPARAMETER REQUIRED
Explanation: The CTMRCAL utility ran with an invalid value for the RETYPE parameter. Valid values for the RETYPE parameter in the CTMRCAL utility are 0S, 1S or 2S.
The utility terminates with a return code of 16.
Corrective Action: Correct the value of the RETYPE parameter, and rerun the CTMRCAL utility.

CAP messages
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages CAP900 through CAP9xx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CAP906I REFRESH OF PERMANENT USER FILE FROM THE ACTIVE USER FILE STARTED
Explanation: This information message indicates that the CTDCA2P utility is copying the list of reports from the Active User Report List file to the Permanent User Report List file. This is the normal start message of the CTDCA2P utility.
Corrective Action: No action is required.

CAP907I REFRESH OF PERMANENT USER FILE FROM THE ACTIVE USER FILE ENDED OK
Explanation: This information message is the normal end message for the CTDCA2P utility. It indicates that the CTDCA2P utility successfully finished copying the list of reports from the Active User Report List file to the Permanent User Report List file.
Corrective Action: No action is required.
CAP909S REFRESH OF PERMANENT USER FILE FROM THE ACTIVE USER FILE ENDED WITH ERRORS

**Explanation:** An error occurred during the execution of the CTDCA2P utility.

**Corrective Action:** An earlier message describes the error.

CAP90AI COPIED TO PERMANENT FILE `userName jobName cat fromUser reportName`

**Explanation:** This information message indicates that a record from the Active Report List file was successfully copied to the Permanent Report List file. The CTDCA2P utility issues this message for each record successfully copied from the Active Report List file.

**Corrective Action:** No action is required.

CAP90BI TOTAL NUMBER OF RECORDS COPIED TO PERMANENT FILE IS: `num`

**Explanation:** This information message displays the number of records copied from the Active Report List file to the Permanent Report List file. This message is issued by the CTDCA2P utility.

**Corrective Action:** No action is required.

CAP90CI ACTION USER JOB CATEGORY FROM USER REPORT NAME

**Explanation:** This information message is issued by the CTDCA2P utility as a heading line for message CAP90AI.

**Corrective Action:** No action is required.

CAP90DI `userName jobName reportName cat`

**Explanation:** This information message is issued by the CTDCA2P utility.

The variables in this message relate to the record copied from the Active User file to the Permanent user file, as follows:

- `userName` - the identity of the user
- `jobName` - the identity of the job
- `reportName` - the identity of the report
- `cat` - the category

**Corrective Action:** No action is required.

**CCU messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
Messages CCUF00 through CCUFxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**CCUF00I ctrl_stmt_text**

**Explanation:** This information message is issued by the CTDCCU utility. It displays the input control statement of the CTDCCU utility.

**Corrective Action:** No action is required.

**CCUF01I CDAM CLEAN-UP UTILITY STARTED**

**Explanation:** This information message indicates the normal start of the CTDCCU Control-D utility. This utility identifies CDAM files that can be deleted from disk because they are no longer referenced by the Active User Report List file.

**Corrective Action:** No action is required.

**CCUF02I CDAM CLEAN-UP UTILITY ENDED OK**

**Explanation:** This information message is the normal end message of the CTDCCU Control-D utility. This utility identifies CDAM files that can be deleted from disk because they are no longer referenced by the Active User Report List file.

**Corrective Action:** No action is required.

**CCUF03S CDAM CLEAN-UP UTILITY ENDED WITH ERRORS**

**Explanation:** The CTDCCU Control-D utility ended with errors. The job-name SYSOUT should contain other messages detailing the reasons.

The utility stops executing with a return code which depends on the severity of the error.

**Corrective Action:** Check the previous error message or messages, correct the problem and rerun the job.

**CCUF04E OPEN OF HISTORY USER REPORT LIST FILE FAILED. DDNAME "DAVHST"**

**Explanation:** Open of the Control-D History User Report List file failed (the DAVHST DD statement). This error message is issued by the CTDCCU Control-D utility, which identifies CDAM files that are no longer referenced by the Active User Report List file.

Possible causes are:

- The DAVHST DD statement is missing.
- The data set pointed to by the DAVHST DD statement is not the Control-D History User Report List file.
- The data set pointed to by the DAVHST DD statement, is the Control-D History User Report List file, but is of another Control-D monitor, or of a different version of Control-D.

The utility stops executing with a condition code of 08.
Corrective Action: Correct the JCL and rerun the job.

CCUF05E OPEN OF INPUT FILE FAILED. DDNAME "DACCUIN"

Explanation: Open of the file containing input parameters failed (the DACCUIN DD statement). This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

Possible causes are:
- The DACCUIN DD statement is missing.
- The DNAME pointed to by the DACCUIN DD statement cannot be opened for sequential read.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the JCL and rerun the job.

CCUF06E INVALID PARAMETER: - parm

Explanation: An invalid parameter was specified in the input for the CTDCCU Control-D utility.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, see the CTDCCU utility in the INCONTROL for z/OS Utilities Guide.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the input and rerun the job.

CCUF07E ONLY ONE PARAMETER parm ALLOWED

Explanation: More than one DATE or SIMULATION parameter was specified in the input for the CTDCCU Control-D utility.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, see the CTDCCU utility in the INCONTROL for z/OS Utilities Guide.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the input and rerun the job.

CCUF08E INVALID DATE VALUE

Explanation: An invalid date format was used in a DATE parameter for the CTDCCU Control-D utility.

Valid date formats are:
- ddmmyy
- mmddyy
- ymmddd

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, refer to the CTDCCU utility in the INCONTROL for z/OS Utilities Guide.

The CTDCCU Control-D utility stops executing with a condition code of 08.
Corrective Action: Correct the date format and rerun the job.

CCUF09E TODATE SHOULD NOT BE AFTER RUN DATE MINUS ONE

Explanation: An invalid value was set for TODATE in the input for the CTDCCU Control-D utility. The latest date which may be specified for TODATE is the day before the run date.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, see the CTDCCU utility in the INCONTROL for z/OS Utilities Guide.

The utility stops executing with a condition code of 08.

Corrective Action: Set a valid value for TODATE and rerun the job.

CCUF0AE MISSING VALUE FOR PARAMETER parm

Explanation: The parm parameter was specified with no value.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, refer to the CTDCCU utility in the INCONTROL for z/OS Utilities Guide.

The utility stops executing with a condition code of 08.

Corrective Action: Enter the missing parameter value and rerun the job.

CCUF0BI WAITING FOR CTDDELRP OR RESTORE JOB TO TERMINATE

Explanation: This information message indicates that the CTDCCU utility is waiting for a CTDDELRP job or a restore job to terminate before the utility can resume executing.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

Note:
To ensure data integrity, do not run the CTDCCU utility concurrently with a CTDDELRP job or a restore job.

When the contending job terminates, the CTDCCU utility resumes processing.

Corrective Action: No action is required.

CCUF0CE SPECIFIED PREFIX IS LONGER THAN 23 CHARACTERS

Explanation: An attempt has been made to invoke the CTDCCU Control-D utility, but the data set name prefix that was specified consisted of more than 23 characters. The length of a data set name prefix must not exceed 23 characters.

This error message is issued by the CTDCCU Control-D utility, which is used to identify

- CDAM files that are no longer referenced by the Active User Report List file
- Control-V index files that are not referenced by the Active User Report List file or the Migrate User Report List file

For more information, see the CTDCCU utility in the INCONTROL for z/OS Utilities Guide.
The utility stops executing with a return code of 08.

**Corrective Action:** Correct the value of PREFIX and rerun the job.

**CCUF0EE Missing Date or Prefix Parameter**

**Explanation:** A DATE or PREFIX parameter for the CTDCCU Control-D utility is missing. At least one DATE and one PREFIX parameter must be specified, for the utility to execute. More than one PREFIX parameter may be specified.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, see the CTDCCU utility in the *INCONTROL for z/OS Utilities Guide*.

The utility stops executing with a condition code of 08.

**Corrective Action:** Enter the missing parameter and rerun the job.

**CCUF0FE Invalid Value for Parameter parm. Value should be "YES" or "NO"**

**Explanation:** An invalid value was specified for a VERIFY or SIMULATION parameter for the CTDCCU Control-D utility.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, refer to the CTDCCU utility in the *INCONTROL for z/OS Utilities Guide*.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the input and rerun the job.

**CCUF10E Open of Sort File Failed. DDNAME ddName**

**Explanation:** The site SORT utility, which was invoked by the CTDCCU Control-D utility, failed to open the data set pointed to by the `ddName` DD statement. This error message is issued by the CTDCCU Control-D utility, which identifies CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**CCUF11E Invalid Return Code from Sort. RC=rc**

**Explanation:** The site SORT utility, which was invoked by the CTDCCU Control-D utility, has ended with errors.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.

**Corrective Action:** Refer to the SORT messages of the job and to the user guide for the SORT facility used at your site. If necessary, call your system programmer for assistance.
CCUF12E INVALID RETURN CODE FROM IDCAMS

**Explanation:** The site IDCAMS program, which was invoked by the CTDCCU Control-D utility, has ended with errors. The usual cause is corrupted data in the system catalog.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.

**Corrective Action:** Use the TSO command LISTC LVL (prefix) HISTORY to produce more detailed messages about the problem and correct accordingly.

CCUF13E OPEN OF WORK FILE FAILED. DDNAME "DAWORK"

**Explanation:** The CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file, failed to open the Work List file (the DAWORK DD statement).

Possible causes are:
- The DAWORK DD statement is missing.
- The data set pointed to by the DAWORK DD statement cannot be opened for sequential write.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

CCUF14E INVOCATION OF PROGRAM *pgm* FAILED. PROGRAM COULD NOT BE ACCESSED

**Explanation:** Invocation of the *pgm* program ended with errors. This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.

**Corrective Action:** Look for previous error messages which describe the type of error. If necessary, call your system programmer for assistance.

CCUF15I DATASET *dsn* WILL BE DELETED

**Explanation:** This information message indicates that the *dsn* CDAM data set was added to the Scratch List file (list of data sets to be scratched). If SIMULATION was set to NO, the data set is deleted in the next step of the job.

This message is issued by the CTDCCU utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file, and may therefore be deleted from the disk.

**Corrective Action:** No action is required.

CCUF16W JOB *jobName* JOBID *jobId* DATASET *dsn* NOT IN CATALOG

**Explanation:** The Active User Report List file contains a reference to a CDAM file that is not in the VSAM catalog. The *dsn* data set, which was created by the *jobName* *jobId* job, is referenced by the Active User Report List file, but does not have an entry in the VSAM catalog.
This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

The utility continues executing, but will terminate with a condition code of 04.

**Corrective Action:** No action is required.

**CCUF18W ONLY ONE VERIFY PARAMETER ALLOWED. RECORD IGNORED**

**Explanation:** More than one VERIFY parameter was specified for the CTDCCU Control-D utility.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file. For more information, see the CTDCCU utility in the *INCONTROL for z/OS Utilities Guide*.

The utility continues executing, but terminates with a condition code of 04. Only the first VERIFY parameter in the input is processed, and all others are ignored.

**Corrective Action:** No action is required.

**CCUF19W NO DATASET OR SYSDATA RECORD WAS FOUND MATCHING THE SELECTION CRITERIA**

**Explanation:** The CTDCCU utility did not find any data set or SYSDATA record matching the specified selection criteria.

This warning message is issued by the CTDCCU utility, which is used to identify CDAM or Control-V index files that are no longer referenced by the Control-D/V database.

For more information, see the CTDCCU utility in the *INCONTROL for z/OS Utilities Guide*.

The utility stops executing with a condition code of 04.

**Corrective Action:** If necessary, correct the selection criteria and rerun the job.

**CCUF20E OPEN OF SCRATCH FILE FAILED. DDNAME "DASCRLST"**

**Explanation:** The CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file, was unable to open the Scratch List file (the DASCRLST DD statement).

Possible causes are:

- The DASCRLST DD statement is missing.
- The data set pointed to by the DASCRLST DD statement cannot be opened for sequential write.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**CCUF21I DATA SET dsn NOT FOUND. SYSDATA {JOBNAME=jobName, COUNT='key'} WILL BE DELETED**

**Explanation:** This message is issued by the CTDCCU utility when it is called with the DELSYSDATA parameter set to YES and when it detects an orphan SYSDATA record in the Active User Report file. The variables in the message identify the problematic record.
The variables in this message are

- **dsn** - the name of the CDAM data set
- **jobName** - the name of the job to which the problematic SYSDATA record relates
- **key** - the unique key of the problematic SYSDATA record

If the CTDCCU utility is running in simulation mode, the problematic SYSDATA record remains in the Active User Report file. Otherwise, the record is deleted.

**Corrective Action:** No action is required.

**CCUF22E INCORRECT DSNAME OF THE MIGRATED INDEX FILE ON $INDEX RECORD {JOBNAME=jobName, COUNT='key', I CNT='seqNumber'}**

**Explanation:** This message is issued by the CTDCCU utility when an error occurs during the evaluation of the data set name of a migrated index file.

The variables in this message are

- **jobName** - the name of the job to which the data set name relates
- **key** - the unique key of the relevant SYSDATA record
- **seqNumber** - the sequence number of the problematic INDEX record

The problematic index file is ignored, but the utility is forced to run in Simulation mode.

**Corrective Action:** Contact your INCONTROL administrator.

**CCUF23W SIMULATION=YES IS FORCED**

**Explanation:** The CTDCCU utility issues this message when it is called with the SIMULATION parameter set to NO if during execution an error occurs of a type that may cause a risk of data loss. Accompanying messages describe the error that occurred.

The utility continues execution in Simulation mode.

**Corrective Action:** Examine the accompanying messages, and take action accordingly.

**CCUF25I TAPE DATA SET dsn HAS NO REFERRING $INDEX RECORD**

**Explanation:** This information message is issued by the CTDCCU utility and indicates that the **dsn** index data set migrated to a tape is no longer referred to by any $INDEX record, that is, it has been "orphaned" in terms of the utility.

Since the utility is only able to remove DASD data sets, this data set will not be deleted.

**Corrective Action:** Uncatalog and scratch this data set using standard system tools, if needed.

**CDS messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
Messages CDS0 through CDS0xx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CDS012E LOGICAL DESTINATION dest IS NOT FOUND. CHOOSE A NEW ONE

Explanation: A user has specified a Delivery Server External Destination that does not exist.

Corrective Action: In this message, dest is the non-existent Destination.

The External Destination screen is opened. Either choose (from the External Destination list) an External Destination that is valid, or define a new External Destination.

CDS020I RECORD FOR DEST dest MODIFIED

Explanation: This information message indicates that the External Destination record relating to the Delivery Server External Destination dest was modified.

Corrective Action: No action is required.

CDS021I TYPE LOGICAL DESTINATION AND DESCRIPTION FOR THE FIRST CTDS RECORD

Explanation: The Delivery Server External Destination list is empty.

Corrective Action: Add one or more External Destination records.

Messages CDGS00 through CDGSxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CDGS19E CANNOT COPY TO THE SAME DEST

Explanation: In the COPY Option prompt window, the user has specified the External Destination to which the record belongs.

You can use the COPY Option to provide a copy of a record to another External Destination, but not to the External Destination to which the record already belongs.

Corrective Action: Either type another External Destination in the COPY Option prompt window, or cancel the COPY request by typing N (for NO) in the CONFIRM field in the COPY Option prompt window.

CDGS20I RECORD FOR DEST dest COPIED TO dest

Explanation: This information message indicates that the dest record has been copied, using the COPY Option (option C) of the External Destination List screen.

Corrective Action: No action is required.
Messages CDSU00 through CDSUxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CDSU10E USER DATA BASE ERROR
Explanation: At this site, the Delivery Server External Destinations are contained in the user’s own database, instead of the PERMANENT file. While processing a simulation request, the Control-D User Exit 26 found an error in the user’s database.
Processing of the request is terminated.
Corrective Action: Correct the error in the user’s Delivery Server External Destinations database.

CDT messages
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages CDTA00 through CDTAxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CDTA51W NO RESTORE RECORDS FOUND ON HISTORY FILE.
Explanation: The ANALYZE step of the restore job found no restore control records in the History User Report List file to process.
The CTDRC ANALYZE step program was invoked either by a restore job or the RSTRESET job but did not find any restore control records in the History User Report List file for the restore Mission specified in the PARM field.
The CTDRC program terminates with a return code of 08.
Corrective Action: No action is required.

CHK messages
This group includes messages for the Control-M for z/OS and Control-D products.

Messages CHK400 through CHK4xx
This group includes messages for the Control-M for z/OS, and Control-D products.
CHK422S OPEN OF USER DATE CONTROL-RECORD FAILED - DDNAME "DACHK"

**Explanation:** Open of the file containing the User Date Control Record failed (the DACHK DD statement). Issued by the CTMCHK, CTDCHK, or CTBCHK programs, which are usually activated by the New Day procedure.

Possible causes are:
- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The CTMCHK, CTDCHK, or CTBCHK program ends with errors.

**Corrective Action:** Correct the JCL for the job or CLIST.

CHK423S OPEN OF IOA LOG FILE FAILED

**Explanation:** Open of IOA Log file failed (the DALOG DD statement). This error message is issued by the CTMCHK, CTDCHK, or CTBCHK programs, which are activated as part of the New Day procedure.

Possible causes are:
- The DALOG DD statement is missing.
- The data set or member described by the DALOG DD statement is not the IOA Log file.
- The data set described by the DALOG DD statement is the IOA Log file, but of a different IOA installation or of a different version.

The CTMCHK, CTDCHK, or CTBCHK program ends with errors.

**Corrective Action:** Correct the JCL for the job or CLIST.

CHK424S INVALID ORIGINAL SCHEDULING DATE IN USER DATES CONTROL-RECORD (POSITIONS 1-6)

**Explanation:** Invalid original scheduling date in the User Date Control Record (positions 1 through 6). This date should be earlier than the current installation working date.

Valid formats are:
- ddmmyy
- mmddyy

Possible causes are:
- The previous run of the CTDCHK or CTMCHK program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more information, see the *INCONTROL for z/OS Administrator Guide*.

The New Day procedure ends with errors.

**Corrective Action:** Correct your Date Control Record (the DACHK DD statement).
CHK425S INVALID POST DATE IN USER DATES CONTROL RECORD (POSITIONS 67-72)

**Explanation:** The contents of the Date Control Record for this Daily are invalid.

Valid formats are:
- ddmmyy
- mmddyy

This message usually indicates that the User Date Control Record was incorrectly modified. The date should be earlier than or equal to the original scheduling date defined in positions 1 through 6.

The New Day procedure ends with errors.

**Corrective Action:** Correct the Date Control Record (the DACHK DD statement).

CHK426W \{GENERAL | dailytype\} "DAILY" DID NOT RUN FOR nnn DAYS

**Explanation:** Highlighted, unrollable message.

The difference between the current working date and the original scheduling date (positions 1 through 6 in the Date Control Record) is more than one day. The New Day procedure has not run for nnn days. A New Day procedure is expected to run once a day.

Probable causes are:
- The computer has not been working for at least one day.
- The Control-M or Control-D monitor has not been working for over 24 hours.
- The contents of the Date Control Record were incorrectly modified for this Daily.
- In the case of the New Day procedure, the computer may have been IPLed with the wrong date.
- In the case of a User Daily, the User Daily has not run for a few days.

The value of dailytype can be GENERAL for the New Day procedure or the job name of a regular User Daily job.

For User Daily jobs, processing continues. Missions are selected according to the RETRO parameter.

For the New Day procedure, this message appears highlighted on the operator console, together with either the CTM427W or CTD427W and CTM428W or CTD428W message. If the operator answers YES, processing continues, taking the RETRO parameter of each job into consideration. If the operator answers NO, the New Day procedure stops executing with an error message.

**Corrective Action:** If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

CHK427W IS IT TRUE? (ANSWER "YES" OR "NO")

**Explanation:** Highlighted, unrollable message.

The last run of the New Day procedure was more than 24 hours ago. This message appears together with the CHK426W, CTM426W, or CTD426W and CHK428W, CTM428W, or CTD428W messages. For more details, see the CHK426W message.
The New Day procedure waits for the operator response.

**Corrective Action:** If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

CHK428W YOUR ANSWER IS:

**Explanation:** Highlighted, unrollable message.

The last run of the New Day procedure was more than 24 hours ago. This message appears together with the CHK426W, CTM426W, or CTD426W and CHK427W, CTM427W, or CTD427W messages. For details, see the CHK426W message.

The New Day procedure waits for the operator response.

**Corrective Action:** If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

CHK429S {CTMCHK | CTDCHK | CTBCHK} ENDED WITH ERRORS

**Explanation:** The CTMCHK, CTDCHK, or CTBCHK program ended with errors. It is activated as part of the New Day procedure. The IOA Log should contain an earlier message about the error.

The New Day procedure finishes executing with a condition code of 08.

**Corrective Action:** Check the IOA Log for error messages. If necessary, manually correct the Date Control Record (date-3 and date-5) to allow the next run of the User Daily job. For more information, see the INCONTROL for z/OS Administrator Guide.

CHK430E POSSIBLE ABEND OF PREVIOUS DAILY RUN!

**Explanation:** A previous run of the same New Day procedure probably abended.

The New Day procedure terminates with errors.

**Corrective Action:** Correct the Date Control Record and rerun the New Day procedure. As a result of the last abend, dates 2, 3 and dates 4, 5, in the Date Control Record are not identical - they should be. If you correct them to the values of date 3 or date 6, a rerun of the New Day procedure schedules all the jobs in the New Day procedure for the days after dates 2 through 5 until the date designated in date 1 (the current original scheduling date). Do not schedule the same job twice.

For more information, see the Control-M for z/OS User Guide or the Control-D and Control-V User Guide.

CHK431I {CTMCHK | CTDCHK | CTBCHK} STARTED

**Explanation:** This information message indicates that the CTMCHK, CTDCHK, or CTBCHK program, which is activated by the New Day procedure, started executing.

**Corrective Action:** No action is required.

CHK432I {CTMCHK | CTDCHK | CTBCHK} ENDED

**Explanation:** This information message indicates that the CTMCHK, CTDCHK, or CTBCHK program, which is activated by the New Day procedure, ended normally.
Corrective Action: No action is required.

CHK433S DIFFERENCE BETWEEN CURRENT AND LAST RUN OF THIS DAILY IS NEGATIVE BY numDays

Explanation: The current working date in the computer is before the last original scheduling date of this New Day procedure.

This message is issued by the New Day procedure as a result of incorrect dates in the Date Control Record. For more information, see the Control-M for z/OS User Guide or the Control-D and Control-V User Guide.

The New Day procedure stops executing with an error message.

Corrective Action: Correct the contents of the Date Control Record, and rerun the Daily. If this problem occurs under the New Day procedure, call your system programmer. The problem should be resolved immediately as the Control-M or Control-D monitor will not be able to operate. Check whether the computer has been IPLed with the correct date.

CHK434W THIS DAILY HAS ALREADY BEEN RUN TODAY

Explanation: The same New Day procedure has already been run today. The current working date in the computer is equal to the last original scheduling date - positions 1 through 6 in the Date Control Record (the DACHK DD statement).

For more information, see the Control-M for z/OS User Guide or the Control-D and Control-V User Guide.

Processing terminates with a return code of 8.

Corrective Action: Check the result of the run carefully for possible errors. If the Control-M or Control-D monitor is up and running, there is no need to run the New Day procedure. It was probably started by accident. In any case, have your INCONTROL administrator look at the problem. It is possible that the computer was IPLed with the wrong date.

CHK435S OPERATOR RESPONDED "NO"

Explanation: The operator answered NO to the CH428W, CTM428W, or CTD428W message.

The New Day procedure stops executing.

Corrective Action: Correct the problem, which is usually date-related, and rerun the New Day procedure.

CHK436S USER DATES CONTROL RECORD IS EMPTY

Explanation: The data set described by the DARCHK DD statement is empty (the New Day procedure).

The New Day procedure terminates with errors.

Corrective Action: Correct the JCL for the job and rerun it.
CHK437I date control record content

Explanation: This informational message is issued when Newday processing is initiated. In place of *date control record content*, it displays the contents of the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK in the Newday procedure. For explanations of the dates displayed, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Date Control Records and Enhanced Daily Checkpointing.”

Corrective Action: No action is required.

CHK438W REPLY 'U' TO UPDATE DATEREC TO CURRENT DAY EXECUTION OR 'E' TO END

Explanation: Highlighted, unrollable message.

An error condition is detected while processing the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK in the Newday procedure. This message is usually preceded by another error message detailing the error encountered. Some reasons that this message might be issued are:

- Invalid date *date1* (see message CHK424S).
- Invalid dates *date2* - *date7* (see message CHK43BE).
- The difference between the current working date and the date on which Newday was last run (*date7*) is negative (see message CHK433S).
- The current working date is equal to *date1* (Newday was already run--see message CHK434W).
- The DATEREC member is empty (see message CHK436S).
- An attempt was made to run the New Day procedure twice in the same day (see message FRM454E).
- *date7* is later than *date1* (see message FRM455S).
- *date7* is more than 28 days in the past (see message FRS476S or JOB50S).
- For an explanation of the dates in question, see *INCONTROL for z/OS Administrator Guide*, “CTM,” “Date Control Records and Enhanced Daily Checkpointing.”

The Newday procedure waits for operator response.

Corrective Action: Review the preceding error messages to determine the actions necessary to correct the problem. If the problem can be corrected by setting the dates in the DATEREC record to the current working date, enter *U*. After Control-M automatically updates the DATEREC record, Newday processing resumes.

Otherwise, enter *E* and then correct the problem manually. For example, if the computer was IPLed with the wrong date, enter *E*, correct the computer date, and then reactivate Newday manually.

CHK439W REPLY 'C' TO CONTINUE, 'U' TO UPDATE DATEREC TO CURRENT DAY EXECUTION, OR 'E' TO END

Explanation: Highlighted, unrollable message.

Following initiation of the Newday procedure, Control-M issued message CHK426W (warning that more than a day has passed since the previous run of Newday).
The Newday procedure waits for operator response.

**Corrective Action:** Review the explanation of message CHK426W to determine if this is an error situation. If this is not an error situation, enter `C`; Newday proceeds using the existing dates in the DATEREC record. If this is an error situation and the problem can be corrected by setting the dates in the DATEREC record to the current working date, enter `U`. After Control-M automatically updates the DATEREC record, Newday processing resumes.

Otherwise, enter `E` and then correct the problem manually. For example, if the computer was IPLed with the wrong date, enter `E`, correct the computer date, and then reactivate Newday manually.

**CHK43AI** NEWDAY EXECUTION CONTINUING WITH ODATE `odate`

**Explanation:** This informational message is issued when the response to message CHK438W or CHK439W was `U`. It informs the user that Newday processing continues, using `odate` as the current working date.

The Newday procedure resumes.

**Corrective Action:** No action is required.

**CHK43BE** DATE CONTROL RECORD CONTAINS AN INVALID DATE AT POSITION `col`

**Explanation:** During Newday initiation, an invalid date was detected in the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK. The date in error is in column `col` of the record. (For explanations of the dates displayed, see the INCONTROL for z/OS Administrator Guide, “CTM,” “Date Control Records and Enhanced Daily Checkpointing.”)

Message CHK438W is generated.

**Corrective Action:** Respond to message CHK438W as instructed.

**CHK43CI** CONTENTS OF DATE CONTROL RECORD:

**Explanation:** This message serves as a header for message CHK437I, which follows.

**Corrective Action:** No action is required.

**CHK43DW** REQUESTED ODATE IS `odate`

**Explanation:** Highlighted, unrollable message.

This message is issued in response to any of the following operator commands:

- `F CONTROLM,NEWDAY=hhmm [,date]`
- `F CONTROLM,NEWDAY= hhmm ,ORDERONLY [,date]`
- `F CTMTROLM,NEWDAY= hhmm ,RERUN`
- `S CTMTDAY,NEWDAY=date`
- `S CTMTDAY,NEWDAY='ORDERONLY, date'`

For more information, see the INCONTROL for z/OS Administrator Guide, “CTM,” “Special Newday Parameters.”
Message CHK43GW is issued.

**Corrective Action:** Respond to message CHK43GW as instructed.

**CHK43GW REPLY 'C' TO CONTINUE OR 'E' TO END**

**Explanation:** Highlighted, unrollable message.

Upon entry of the `F CONTROLM,NEWDAY=hhmm,DATE` command, message CHK43DW displayed the ODATE entered. The current message asks the operator to either confirm that the Newday procedure continue with the specified ODATE or not continue.

The Newday procedure waits for operator response.

**Corrective Action:** One of the following responses:

- **C** -- confirm Newday execution using the ODATE displayed by message CHK43DW. (Dates in the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK are not modified.)
- **E** -- cause the NEWDAY command to be ignored.

**CLH messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages CLH900 through CLH9xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**CLH943W TOO MANY DATASETS/TAPES HAVE TO BE SCRATCHED, THE CLEANING IS PARTIAL ONLY. RUN THE UTILITY ONCE MORE.**

**Explanation:** This message is issued by the CTDCLHST utility and indicates that the total number of expired CDAM and index files or the number of expired backup tapes exceeds the limit that the utility can process within one execution.

The utility does the following within its limit:

- deletes the expired CDAM and index files
- lists the expired backup tapes
- removes the corresponding records from the History User Report List file.

The rest of the expired files and tapes will be processed in the next execution of the utility. When this message is issued, the CTDCLHST utility finishes with a return code of 08.

**Corrective Action:** Run the utility again.
CLH944I CLEANING OF HISTORY USER REPORTS LIST FILE STARTED

Explanation: This information message is the normal start message of the CTDCLHST utility, which clears entries from the History User Report List file.

Corrective Action: No action is required.

CLH945I CLEANING OF HISTORY USER REPORTS LIST FILE ENDED OK

Explanation: This information message is the normal end message of the CTDCLHST utility, which clears entries from the History User Report List file.

Corrective Action: No action is required.

CLH946E CLEANING OF HISTORY USER REPORTS LIST FILE ENDED WITH ERRORS RC = rc

Explanation: The CTDCLHST utility, which clears entries from the History User Report List file, ended with errors. Earlier messages describe the problem.

The utility ends with a return code of rc.

Corrective Action: Check the previous error messages, correct the problem, and rerun the job.

CLH947I TAPE volser - EXPIRED

Explanation: This is information message is displayed by the CTDCLHST utility, and indicates that a backup tape has been found whose retention period has expired. The utility scans entries in the History User Report List file for reports whose retention period has expired, based on the # OF DAYS TO KEEP parameter or on the # OF GENERATIONS TO KEEP parameter specified in the Backup Mission Definition screen.

This tape may be added to the list of expired tapes.

Corrective Action: Return the expired tape to the Global Tape Pool.

CLH948E INSUFFICIENT MEMORY, THE CLEANING PROCESS STOPPED. INCREASE THE DATA VALUE IN WD2403.

Explanation: There is insufficient memory for the CTDCLHST utility to complete cleaning of the History User Report List file. The situation is caused by a non-zero value that is too small, which has been specified in the DATA parameter in the definition of optional wish WD2403. It must not be smaller than the number of the SYSDATA records in the History User Report List file with the same job name.

The utility stops processing with no change being made to the History User Report List file, and finishes with a return code of 08.

Corrective Action: Increase the value of the DATA parameter appropriately in the definition of optional wish WD2403, or set it to zero. Increase the REGION size for the utility job, if needed, and rerun the utility.

CLH949I number USER RECORDS READ.

Explanation: This information message indicates how many USER records have been read by the CTDCLHST utility from the History User Report List file.
**Corrective Action:** No action is required.

**CLH94AI number SYSDATA RECORDS READ.**

**Explanation:** This information message indicates how many SYSDATA records have been read by the CTDCLHST utility from the History User Report List file.

**Corrective Action:** No action is required.

**CLH94BI number NOTEPAD RECORDS READ.**

**Explanation:** This information message indicates how many NOTE records have been read by the CTDCLHST utility from the History User Report List file.

**Corrective Action:** No action is required.

**CLH94CI number $INDEX RECORDS READ.**

**Explanation:** This information message indicates how many INDEX records have been read by the CTDCLHST utility from the History User Report List file.

**Corrective Action:** No action is required.

**CLH94DI number RECORDS DELETED IN TOTAL**

**Explanation:** This information message indicates how many records have been deleted by the CTDCLHST utility from the History User Report List file.

**Corrective Action:** No action is required.

**Messages CLHD00 through CLHDxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**CLHD73E INVALID RETURN CODE FROM SORT, RC=rc**

**Explanation:** A failure was detected in the SORT utility phase of the CTDCLHST utility. The main program (CTDCLH) of the CTDCLHST utility received a return code (rc) higher than 4 from the SORT utility phase.

The program terminates with a return code of 08.

**Corrective Action:** Additional information is in the Job log and the SORT messages. Correct all reported problems, and rerun the CTDCLHST utility.

**CLHD75I WAITING FOR ANOTHER CTDCLHST JOB TO TERMINATE**

**Explanation:** This information message indicates that the Control-D CTDCLHST utility is waiting for another CTDCLHST job to terminate. The Control-D utility clears unnecessary entries from the History User Report List file. To maintain data integrity, the CTDCLHST utility cannot run two or more jobs concurrently.

When the first job terminates, the CTDCLHST utility resumes processing.
**Corrective Action:** No action is required.

**CLHD76E** INVALID PARAMETER, VALID PARAMETER: MODE=TEST OR MODE=PROD

**Explanation:** An invalid value for the MODE parameter was specified by the CTDCLHST utility call. The CTDCLHST utility ends with a return code of 12.

**Corrective Action:** Correct the MODE parameter to either TEST or PROD, and rerun the utility.

**CLHD77I** *** PARM=TEST SPECIFIED - SIMULATION MODE ***

**Explanation:** This information message indicates that the CTDCLHST utility ran in simulation mode. In this mode, messages are generated that indicate what actions would normally be performed. These actions are not performed, nor are any files changed.

**Corrective Action:** Check the SYSOUT of the CTDCLHST utility before running it in production mode.

**CLHD78I** NUMBER OF USER RECORDS TO BE DELETED =number

**Explanation:** This information message indicates how many USER records will be deleted by the CTDCLHST utility.

**Corrective Action:** No action is required.

**CLHD79I** NUMBER OF SYSDATA RECORDS TO BE DELETED =number

**Explanation:** This information message indicates how many SYSDATA records will be deleted by the CTDCLHST utility.

**Corrective Action:** No action is required.

**CLHD7AI** NUMBER OF NOTEPAD RECORDS TO BE DELETED =number

**Explanation:** This information message indicates how many notepad records will be deleted by the CTDCLHST utility.

**Corrective Action:** No action is required.

**CLHD7BI** NUMBER OF $INDEX RECORDS TO BE DELETED =number

**Explanation:** This information message indicates how many index records will be deleted by the CTDCLHST utility.

**Corrective Action:** No action is required.

**CLHD7EW** SYSDATA RECORD jobName ID jobld ODATE=odate HAS NO BACKUP DATE. THE DECOLLATION DATE IS ASSUMED.

**Explanation:** The CTDCLHST utility discovered a SYSDATA record in the History User Report List file with a zero backup date.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- `jobName` - the name of the job to which the SYSDATA record belongs
- `jobId` - the MVS identifier of the job to which the SYSDATA record belongs
- `odate` - the originating date of the report to which the SYSDATA record belongs

The CTDCLHST utility assumes the record decollation date as its backup date, and processes the record accordingly.

**Corrective Action:** No action is required.

**CLHD7FW SYSDATA RECORD `{jobName recordId}` HAS AN INVALID BACKUP DATE, RELATED REPORT WILL BE HELD.**

**Explanation:** The CTDCLHST utility discovered a SYSDATA record in the History User Report List file with an invalid backup date.

The variables in this message are:
- `jobName` - the name of the job to which the SYSDATA record belongs
- `recordId` - the unique key of the SYSDATA record

Neither the SYSDATA record nor the related report will be removed from the History User Report List file.

**Corrective Action:** Investigate the cause of this occurrence, and correct the problematic SYSDATA record.

**CLHD7GI SELECTION PASS OVER THE HISTORY FILE.**

**Explanation:** This information message indicates that the CTDCLHST utility started the selection pass over the History User Report List file.

**Corrective Action:** No action is required.

**CLHD7HI CHECK FOR ORPHANED SYSDATA RECORDS.**

**Explanation:** This information message indicates that the CTDCLHST utility started the check for “orphaned” SYSDATA records.

**Corrective Action:** No action is required.

Messages CLHG00 through CLHGxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**CLHG85E INVALID INPUT PARAMETER NOSYS=.**

**Explanation:** An invalid value was specified in the NOSYS parameter of the EXEC JCL statement activating the CTDCLHST utility, and was passed to the program. The only valid values are N, Y, or S.

The utility ends with a return code of 12.

**Corrective Action:** Correct the JCL, and rerun the job.
CLHG87I READING BACKUP CONTROL RECORDS.

Explanation: This information message indicates that the CTDCLHST utility started reading backup control records.

Corrective Action: No action is required.

CLHG88I READING SYSDATA RECORDS.

Explanation: This information message indicates that the CTDCLHST utility started reading SYSDATA records.

Corrective Action: No action is required.

CLHG89I number SYSDATA RECORDS READ.

Explanation: This information message indicates the number of SYSDATA records read by the CTDCLHST utility from the History User Report List file.

Corrective Action: No action is required.

CLHG8BI DELETION OF THE SELECTED RECORDS.

Explanation: This information message is issued by the CTDCLHST utility when it runs in PROD mode, and indicates that the utility started deleting selected records.

Corrective Action: No action is required.

CLHG8C1 USER RECORD NOT FOUND FOR NOTEPAD RECORD userid jobName ODATE=odate RID=recordId

Explanation: The CTDCLHST utility discovered a notepad record in the History User Reports List file without a matching USER record.

The variables in this message are:

- `userid`  
- `jobName`  
- `odate`  
- `recordId`

The notepad record is deleted.

Corrective Action: Investigate the cause of this occurrence. It should not happen in a proper Control-D operation.

CLHG8DI SYSDATA RECORD NOT FOUND FOR USER RECORD userid jobName ODATE=odate RID=recordId

Explanation: Unless NOSYS=N is requested in the CTDCLHST utility call, the utility scans all USER records in the History User Reports file and for each USER record, checks if there is a matching SYSDATA record. If a SYSDATA record is not found, this message is issued and the USER record is deleted.
The variables in this message are:

- `userId`
- `jobName`
- `odate`
- `recordId`

The USER record is deleted.

**Corrective Action:** Investigate the cause of this occurrence. It should not happen in a proper Control-D operation.

**CLHG8E1** SYSDATA RECORD NOT FOUND FOR INDEX RECORD `jobName`

**Explanation:** Running with parameter NOSYS=Y or NOSYS=S, the CTDCLHST utility scans all INDEX records in the History User Report List file and for each INDEX record, checks if there is a matching SYSDATA record in the file. This message indicates that the utility did find an INDEX record with no matching SYSDATA record. Such “orphan” INDEX records may appear in the History User Report List file as the result of situation described in message CLH943W.

The variables in this message are:

- `jobName`
- `odate`
- `recordId`

The INDEX record and its related index file are deleted.

**Corrective Action:** Investigate the cause of this occurrence. It should not happen in a proper Control-D operation, except for the situation described in message CLH943W.

**CLHG8F1** USER RECORD NOT FOUND FOR SYSDATA RECORD `jobName` `jobId`

**Explanation:** Running with parameter NOSYS=S, the CTDCLHST utility found an “orphan” SYSDATA record in the History User Report List file. This means that a SYSDATA record is not referred to by any USER record in the file.

The variables in this message are:

- `jobName` - the name of the job to which the orphaned SYSDATA record belongs
- `jobId` - the MVS identifier of the job to which the orphaned SYSDATA record belongs
- `odate` - originating date of the report to which the orphaned SYSDATA record belongs
- `recordId` - the unique key of the orphaned SYSDATA record

The orphaned SYSDATA record will be removed from the History User Report List file in the next utility execution.

**Corrective Action:** No action is required.
CMP messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CMP500 through CMP5xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CMP541E DATASET dsn IS NOT CATALOGED

Explanation: The dsn data set specified in the PDS parameter in the scheduling table is not cataloged.

This message is issued by the New Day procedure.

The job or mission order is not issued. Processing continues to the next job or mission.

Corrective Action: Correct the parameters for this job or mission.

CMP542E DATASET dsn DOES NOT EXIST ON VOLUME

Explanation: The dsn data set specified in the PDS parameter in the scheduling table appears in the catalog, but is not on the volume.

This message is issued by the New Day procedure.

The job or mission order is not issued. Processing continues to the next job or mission.

Corrective Action: Check the catalog, and recatalog the data set according to the current volume.

CMP543E DATASET dsn IS NOT A LIBRARY OR IS NOT MOVABLE

Explanation: The dsn data set specified in the PDS parameter in the scheduling table is not a movable partitioned data set.

This message is issued by the New Day procedure.

The job or mission order is not issued. Processing continues to the next job or mission.

Corrective Action: Correct the parameters of this job or mission.

CMP545E NEGATIVE FREE SPACE FOUND FOR DATASET dsn

Explanation: An error has occurred in the calculation of free space in the library specified in the PDS parameter.

This message is issued by the New Day procedure.

Possible causes are:

- VTOC error
- Control-M or Control-D error

The job or mission order is not issued. Processing continues to the next job or mission.
Corrective Action: Use some other means to check the free space in the library. If necessary, have your system programmer call your INCONTROL administrator.

CMP547E ERROR IN SCHEDULE DATA - INVALID "MINIMUM"

Explanation: The MINIMUM parameter contained nonnumeric characters. The production parameters have probably been incorrectly modified by an editor or by a program.

This message is issued by the New Day procedure.
The job or mission order is not issued. Processing continues with the next job or mission.

Corrective Action: Correct the parameters of the job or mission.

CND messages

This group includes messages for the IOA (infrastructure) product.

Messages CND600 through CND6xx

This group includes messages for the IOA (infrastructure) product.

CND630S OPEN OF PARAMETER LIST FAILED. DDNAME "DACNDIN"

Explanation: Open of control statements file failed (the DACNDIN DD statement in the IOACND utility or program).

Possible causes are:

- The DACNDIN DD statement is missing.
- The data set described by the DACNDIN DD statement does not exist, or cannot be opened for sequential read, or has a record length that is not 80.

Program execution stops with a condition code of 08.

Corrective Action: Correct the JCL for the job or the CLIST, and run it again.

CND631S INVALID FORMAT OF INPUT PARAMETERS

Explanation: Severe syntax error in the parameters to the IOACND or CTMRELRS utilities.

The utility stops executing with a condition code of 12. The condition is not added, deleted, or released.

Corrective Action: Correct the parameters and reactivate the utility.

CND632S INVALID DATE FORMAT

Explanation: There is an invalid date format in an ADD COND or DELETE COND statement, utility or the IOACND program. The date format should be mmdd or ddmm, depending on your site standard.

The utility stops executing with a condition code of 12. The condition is not added or deleted.

Corrective Action: Correct the parameters and reactivate utility.
CND633S INTERNAL ERROR IN IOACND. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal error in the IOACND and CTMRELRS utilities.
The utility stops executing with a condition code of 12. The condition is not added, deleted, or released.

**Corrective Action:** Call your IOA administrator for assistance.

CND634S OPEN OF PRINT FILE FAILED. DDNAME "DAPRINT"

**Explanation:** Open of messages file failed (the IOACND and CTMRELRS utilities). Possible causes are:
- The DAPRINT DD statement is missing.
- The data set allocated to the DAPRINT DD statement cannot be opened for sequential write.

The utility stops executing with condition code of 12.

**Corrective Action:** Correct the JCL for the job or the CLIST and run it again.

CND635E INVALID FUNCTION. USE ADD/DELETE/CHECK

**Explanation:** An invalid function was passed to the IOACND utility.
Valid functions are:
- ADD
- DELETE
- CHECK

The utility stops executing with a condition code of 12. The condition is not added, deleted, or released.

**Corrective Action:** Correct the parameter syntax and reactivate.

CND636E INVALID FUNCTION OR FUNCTION NOT SUPPORTED YET

**Explanation:** An attempt has been made to add or delete a Quantitative Resource or Control Resource using the IOACND utility. These are privileged operations for Control-M or Control-D support personnel.
The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter syntax and reactivate.

CND637E LOAD OF PROGRAM "CTMRS0" FAILED

**Explanation:** An attempt to load the CTMRS0 program failed.

**Corrective Action:** Check that the name of the load library is correct. If that does not solve the problem, contact your INCONTROL Administrator.

CND638E FUNCTION "RDIF" OF PROGRAM "CTMRS0" FAILED

**Explanation:** The IOACND utility failed in one of the initialization steps of the Control-M Resources file. Either the file accessed is not a valid Resources file, or the Resources file is being formatted.
The utility stops with a return code of 16.
Corrective Action: Ensure that the DARESF DD statement points to a valid resource file, and that the file is not corrupted.

CND639E ADD REQUESTED FOR AN EXISTING RESOURCE resource
Explanation: The IOACND utility was activated with a request to add a quantitative or control resource, but the resource already exists in the file.
The ADD request is not performed.
Corrective Action: Ensure that the utility is only activated with valid requests.

CND63BI WISH WI2232 IS ENABLED - UPPERCASING CONDITION NAME
Explanation: This information message is generated by the IOACND utility when optional wish WI2232 is applied.
The IOACND utility translates a condition name from the PARM= parameter in the EXEC card of this utility to upper case.
Corrective Action: No action is required.

CNV messages
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CNVS00 through CNVSxx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CNVST1I CONTROL-M STATISTICS FILE CONVERSION STARTED
Explanation: This information message indicates that the conversion of the Control-M Statistics file for version 6.3 and later has begun.
Corrective Action: No action is required.

CNVST2I CONTROL-M STATISTICS FILE CONVERSION ENDED
Explanation: This information message indicates that the conversion of the Control-M Statistics file for version 6.3 and later has ended.
Corrective Action: No action is required.

CNVST3I STATISTICS FILE HAS BEEN SUCCESSFULLY CONVERTED
Explanation: This information message indicates that the Control-M Statistics file has been successfully converted from version 6. y.xx to version 6.3 format.
In this message, valid values for y are 0, 1, or 2.
Corrective Action: No action is required.

CNVST4E VSAM ERROR: DDNAME=ddName RC=rc REASON=rsn
FUNCTION=func

Explanation: A VSAM error occurred while attempting to convert the Control-M Statistics file to version 6.3 format. Consult the IBM manual Macro Instructions for Data Sets for an explanation of the return codes and reason codes.

Corrective Action: Correct the error and rerun the job.

CNVST5E STATISTICS FILE ALREADY CONVERTED

Explanation: The CTMCVSTT utility has been run against a Control-M Statistics file that is already in version 6.3 format.

Corrective Action: Do not run the CTMCVSTT utility.

COM messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages COMG00 through COMGxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

COMG84I OPERATION WILL BE RE-ATTEMPTED

Explanation: The system will try again to perform an operation that failed.

This message follows other messages that provide details about an error that occurred.

Normal processing continues, and the system tries repeatedly to perform the operation until it succeeds, or until the retry limit is reached. When the retry limit is reached, the system tries to recycle the SNA channel only.

Corrective Action: No action is required.

COMG85I OPERATION WILL BE RE-ATTEMPTED AFTER ONE MINUTE

Explanation: A failed operation will be retried until the retry limit is reached. This message follows other messages that provide details about an error that occurred.

The failed operation is retried. When the retry limit is exceeded, an attempt is made to recycle communication.

Corrective Action: No action is required.
COMG89W APPCCMD appccmd FAILED. APPLID=applId R15=r15 R0=r0 RPL6RC=rc PARTNER LU=partner_lu

Explanation: An APPC command has failed. The reason for the failure may be temporary, such as a shortage of storage.

This message is followed by the COMG84I message, indicating the action that will be taken by the Control-M NJE Gateway.

This message may be preceded by another message that provides more information about the error that occurred.

The following information in this message is for the VTAM system programmer:

- **appccmd** - the command that failed
- **applId** - the identity of the application that issued the command that failed
- **r15** - the value in Register 15 returned by VTAM
- **r0** - the value in Register 0 returned by VTAM
- **rc** - the RPL6RC return code returned by VTAM

The following fields are documented in the *VTAM Programming for LU 6.2 Manual*:

- **APPCCMD** - in the section on LU 6.2 macro instruction syntax and operands
- **RPL6RC** - in the appendix on return codes
- **R0 and R15** - in the section on handling errors

Corrective Action: If a second message gives a probable cause for the error, proceed according to the User Response recommended in that message. Otherwise, contact your VTAM system programmer.

COMG90E APPCCMD appccmd FAILED. APPLID=applId R15=r15 R0=r0 RPL6RC=rc PARTNER LU=partner_lu

Explanation: An APPC command failed.

This message is followed by a message indicating the action that will be taken by the Control-M NJE Gateway.

This message may be preceded by another message that provides more information about the error that occurred.

The following information in this message is for the VTAM system programmer:

- **appccmd** - the command that failed
- **applId** - the identity of the application that issued the command that failed
- **r15** - the value in Register 15 returned by VTAM
- **r0** - the value in Register 0 returned by VTAM
- **rc** - the RPL6RC return code returned by VTAM

The following fields are documented in the *VTAM Programming for LU 6.2 Manual*:
INCONTROL for z/OS Messages Manual

- APPCCMD - in the section on LU 6.2 macro instruction syntax and operands
- RPL6RC - in the appendix on return codes
- R0 and R15 - in the section on handling errors

**Corrective Action:** If a second message gives a probable cause for the error, proceed according to the User Response recommended in that message. Otherwise, contact your VTAM system programmer.

Messages COMF00 through COMFxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**COMF51I LOC SNDR loc_sendr INIT SESSION WITH RMT RCVR rmt_recvr**

**Explanation:** The *loc_sendr* local sender is trying to initiate a session with the *rmt_recvr* remote receiver.

A session starts when the remote Gateway comes up.

**Corrective Action:** No action is required.

**COMF52I LOC RCVR loc_recvr AWAITING SESSION WITH RMT SNDR rmt_sendr**

**Explanation:** The *loc_recvr* local receiver is waiting for a session to be initiated with the *rmt_sendr* remote sender.

A session starts when the remote Gateway comes up.

**Corrective Action:** No action is required.

**COMF53I LOC SNDR loc_sendr NOW IN SESSION WITH RMT RCVR rmt_recvr**

**Explanation:** The *loc_sendr* local sender is now in a session with the *rmt_recvr* remote receiver. Communication is established.

**Corrective Action:** No action is required.

**COMF54I LOC RCVR loc_recvr INIT SESSION WITH RMT SNDR rmt_sendr**

**Explanation:** The *loc_recvr* local receiver is now in a session with the *rmt_sendr* remote sender. Communication is established.

**Corrective Action:** No action is required.

**COMF55E SERVER TYPE x FAILED IN yyy. RC = rc**

**Explanation:** An Application Server of type *x* has failed to perform service *yyy*.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- $x$ - the type of Application Server
- $yyy$ - the problematical service Valid values are:
  - PUT
  - GET
- $rc$ - the return code A value of 28 indicates communication recovery and is allowed. All other return codes are indicative of internal errors.

**Corrective Action:** If the value of $rc$ is not 28, consult your INCONTROL administrator.

CON messages

This group includes messages for the Control-O product.

Messages CON200 through CON2xx

This group includes messages for the Control-O product.

**CON220I** CONTROL-O ALLOCATED $num$ SUBSYSTEM CONSOLES

**Explanation:** During Control-O initialization, Control-O allocated $num$ subsystem consoles for use by the DO COMMAND with WAITRESP Y. The number $num$ must be equal to the value of the NUMCONS parameter in the CTOPARM member in the IOA PARM library.

Control-O acquires the allocated subsystem consoles and uses them for the DO COMMAND with RESPMODE set to Y.

**Corrective Action:** If the value of $num$ is less than the value defined in CTOPARM by the NUMCONS=$num$ statement, define more subsystem consoles in the system. For information on how to do this, see the description of the NUMCONS parameter in CTOPARM and subsystem consoles in the Control-O Installation chapter of the INCONTROL for z/OS Installation Guide.

**CON221I** CONTROL-O RELEASED THE SUBSYSTEM CONSOLES

**Explanation:** This information message is the normal message issued during Control-O termination if subsystem consoles were allocated.

The subsystem consoles that were allocated to Control-O are freed during termination of the Control-O monitor.

**Corrective Action:** No action is required.

**CON222W** NO SUBSYSTEM CONSOLES ARE AVAILABLE FOR CONTROL-O

**Explanation:** Control-O could not allocate subsystem consoles during initialization, as specified in the NUMCONS parameter in the CTOPARM member.

No subsystem consoles are allocated.
CON223W INSUFFICIENT NUMBER OF CONSOLES ARE AVAILABLE FOR CONTROL-O

Explanation: Control-O attempted to allocate subsystem consoles during initialization, but not enough consoles are available.

All the available subsystem consoles are allocated by Control-O. This message is followed by the CON220I message, which details how many consoles were allocated for Control-O use.

Corrective Action: Decrease the number of consoles required for Control-O (the NUMCONS parameter in CTOPARM), or define a sufficient number of consoles for Control-O use in MVS. If other products use a subsystem console, calculate the number of subsystem consoles required for all products. For more information, see the chapter on Control-O installation in the INCONTROL for z/OS Installation Guide, and the relevant MVS manuals.

CON224E ERROR IN SUBSYSTEM CONSOLE SERVICE ROUTINE. FUNCTION=func RC=rc. A SNAP IS PRODUCED

Explanation: Control-O attempted to perform an OBTAIN or RELEASE function on a subsystem console. The subsystem console service routine failed to perform the requested function.

The system action varies, depending on whether Control-O was initializing or terminating at the time of its issue, as follows:

- If the message was issued during Control-O initialization, Control-O does not use subsystem consoles.
- If the message was issued during Control-O termination, Control-O stops releasing the subsystem consoles. If not all the subsystem consoles were released, they remain allocated until a new Control-O monitor is started or until an IPL is performed.

In either event, snap dumps are produced with the relevant control blocks.

Corrective Action: Save the snap dumps and call your INCONTROL administrator for assistance.

CON225E INSUFFICIENT STORAGE FOR THE CONSOLE func FUNCTION

Explanation: There is insufficient storage in the Control-O address space to perform the OBTAIN or RELEASE subsystem console function.

The system action varies, depending on whether Control-O was initializing or terminating at the time of its issue, as follows:

- If the message was issued during Control-O initialization, Control-O does not use subsystem consoles.
- If the message was issued during Control-O termination, Control-O stops releasing the subsystem consoles. If not all the subsystem consoles were released, they remain allocated until a new Control-O monitor is started or until an IPL is performed.

Corrective Action: Increase the region size specified in the Control-O procedure.
CON226E INSUFFICIENT STORAGE IN (EXTENDED) CSA. CANNOT ALLOCATE SUBSYSTEM CONSOLES

**Explanation:** This message is issued during Control-O initialization when there is insufficient space in CSA or ECSA for Control-O console-related control blocks.

Control-O initialization continues without using subsystem consoles.

**Corrective Action:** Check if the storage defined for CSA or ECSA is large enough. If not, increase the CSA or ECSA size.

CON227E ERROR IN SUBSYSTEM CONSOLE PROCESSING.
REQUEST=\texttt{reqCode} FUNCTION=\texttt{func} ERRCODE=\{\texttt{abCode}|\texttt{rsn}\}

**Explanation:** The subsystem console service routine abended when attempting to perform the OBTAIN or RELEASE function for a subsystem console, and the function was not performed or was performed partially.

The system action varies, depending on whether Control-O was initializing or terminating at the time of its issue, as follows:

- If the message was issued during Control-O initialization, Control-O will not use subsystem consoles.
- If the message was issued during Control-O termination, Control-O stops releasing the subsystem consoles. If all the subsystem consoles were not released, they remain allocated until a new Control-O monitor is started or until an IPL is performed.

Abend and snap dumps are produced.

**Corrective Action:** Save the abend and snap dumps and call your INCONTROL administrator for assistance.

CON228I CONTROL-O ALLOCATED num EMCS CONSOLES

**Explanation:** This information message indicates that Control-O allocated a total of \texttt{num} EMCS CONSOLES according to the definitions in the CTOPARM member.

**Corrective Action:** No action is required.

CON229I CONTROL-O ALLOCATED num EMCS CONSOLES WITH MIG IDS

**Explanation:** This information message indicates that Control-O allocated a total of \texttt{num} EMCS CONSOLES with migration IDs according to the definitions in the CTOPARM member.

**Corrective Action:** No action is required.

CON22AE CONTROL-O ALLOCATED EMCS CONSOLE ERROR. IOAMCS RC=\texttt{rc} REASON=\texttt{rsn} CONSOLE=\texttt{consoleName}

**Explanation:** Control-O failed to allocate an EMCS CONSOLE. The MCSOPER service ended with an error. When this happens, Control-O attempts to allocate an EMCS CONSOLE in order to issue a command or message. However, the attempt failed.

Control-O ignores the console.

**Corrective Action:** Do the following:
1. Record the return code (rc), reason number (rsn), and console name (consoleName). For information about MCSOPER, see the manual for the IBM authorized macro services.

2. Correct the definitions of the EMCS CONSOLE in the CTOPARM EMCSCONS.

3. STOP the Control-O monitor and start a new monitor.

CON22BE CONTROL-O ALLOCATED EMCS CONSOLE ERROR. CONVCON
RC=rc REASON=rsn CONSOLE=consoleName

**Explanation:** Control-O failed to allocate an EMCS CONSOLE. The CONVCON service ended with an error. When this happens, Control-O tries to allocate an EMCS CONSOLE in order to issue a command or message. However, the attempt failed.

Control-O ignores the console.

**Corrective Action:** Do the following:

1. Record the return code (rc), reason number (rsn), and console name (consoleName). For information about CONVCON, see the manual for the IBM authorized macro services.

2. Correct the definitions of the EMCS CONSOLE in the EMCSCONS parameter in the CTOPARM member.

3. STOP the Control-O monitor and start a new monitor

**COP messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages COP0 through COP0xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**COP040S OPEN OF NEW ACTIVE JOBS FILE FAILED**

**Explanation:** The CTMCAJF Control-M utility, which is used to copy the Active Jobs file to a new file, failed to open the file.

Possible causes are:

- The DACKPTN DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**COP041I NEW ACTIVE JOBS FILE SUCCESSFULLY CREATED**

**Explanation:** This information message indicates that the CTMCAJF utility has successfully copied the Active Jobs file.
Corrective Action: No action is required.

COP042S OPEN OF PARAMETERS FILE FAILED. DDNAME "DACOPPRM"

Explanation: Open of the utility parameters file failed for the DACOPPRM DD statement, the CTMCAJF utility.

Possible causes are:
- The DACOPPRM DD statement is missing.
- The data set described by the DACOPPRM DD statement cannot be opened for sequential read.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the JCL for the job.

COP043S REQUIRED OPERATION CANNOT BE PERFORMED BECAUSE THE CONTROL-M MONITOR IS ACTIVE

Explanation: An attempt has been made to run the CTMCAJF utility or an AJF update function in utility IOAVERIFY (DIAGNOSE CORRECT, ZAP, VERIFY ENQ) while the Control-M monitor is active. Maintenance of the Control-M Active Jobs file can be performed only when the Control-M monitor is not active.

A Control-M monitor is determined to be active by utilizing the enqueue management mechanism to enquire whether the QNAME of the monitor is in use. If the QNAME is not in use, the monitor is down.

Corrective Action: Shut down the Control-M monitor. Read the instructions for the utilities CTMCAJF and IOAVERIFY (whichever applies) in the Control-M for z/OS User Guide.

COP044S YOU CANNOT COPY THE ACTIVE JOBS FILE TO ITSELF

Explanation: The input and output DD statements point to the same Active Jobs file. The user attempted to copy the Active Jobs file to itself.

The CTMCAJF utility ends with an error.

Corrective Action: Correct the JCL and rerun utility.

COP049I NEW HISTORY JOBS FILE SUCCESSFULLY CREATED

Explanation: This information message indicates that the CTMH Cop utility successfully created a new History Jobs file from the old one.

Corrective Action: No action is required.

Messages COPB00 through COPBxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

COPB40S OPEN OF NEW ACTIVE MISSION FILE FAILED

Explanation: The CTDCAMF Control-D utility, which is used to copy the Active Missions file to a new file, failed to open the file.
Possible causes are:

- The DAAMFN DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**COPB41I** NEW ACTIVE MISSION FILE SUCCESSFULLY COPIED

**Explanation:** This information message indicates that the CTDCAMF utility has successfully copied the Active Missions file.

**Corrective Action:** No action is required.

**COPB42S** OPEN OF PARAMETERS FILE FAILED. DDNAME "DACOPPRM"

**Explanation:** Open of the utility parameters file failed (the DACOPPRM DD statement). This message is issued by the CTDCAMF utility.

Possible causes are:

- The DACOPPRM DD statement is missing.
- The data set described by the DACOPPRM DD statement cannot be opened for sequential read.

The simulation stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**COPB43S** REQUIRED OPERATION CANNOT BE PERFORMED BECAUSE THE CONTROL-D MONITOR IS ACTIVE

**Explanation:** An attempt was made to run the CTDCAMF utility while the Control-D monitor was active. Maintenance of the Control-D Active Missions file can be performed only when the Control-D monitor is not active.

The utility terminates with a condition code of 08.

**Corrective Action:** Shut down the Control-D monitor. If you are using the COPY function, refer to the description of the CTDCAMF utility in the Control-D and Control-V User Guide.

**COPB44S** YOU CANNOT COPY THE ACTIVE MISSION FILE TO ITSELF

**Explanation:** The CTDCAMF utility is attempting to copy the Active Missions file to itself.

The utility terminates with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**COPB45I** CONTROL-D ACTIVE MISSIONS FILE IS COPIED TO BACKUP FILE

**Explanation:** This information message is the normal start message of the CTDCAMF utility for the COPY option.

**Corrective Action:** No action is required.
COPB46I COMPRESSING OF CONTROL-D ACTIVE MISSIONS FILE STARTED

**Explanation:** This information message is the normal start message of the CTDCAMF utility for the COMPRESS option.

**Corrective Action:** No action is required.

COPB47I COMPRESSING OF CONTROL-D ACTIVE MISSIONS FILE ENDED

**Explanation:** This information message is the normal termination message of utility CTDCAMF for the COMPRESS option.

**Corrective Action:** No action is required.

COPB48S ERROR WHILE COMPRESSING ACTIVE MISSIONS FILE, FILE WAS NOT COMPRESSED

**Explanation:** The CTDCAMF Control-D utility failed.

Possible causes are:
- The DAAMF DD statement is missing.
- The data set described by the DD statement is not the Control-D Active Missions file.
- The data set described by the DAAMF DD statement is the Control-D Active Missions file, but for another Control-D monitor or from a different Control-D version.
- The DABKUP DD statement is missing.
- The SYSPRINT DD statement is missing. See the CTM913S message.

Utility terminates with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

Messages COPC00 through COPCxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

COPC56S PREVIOUS FORMAT OF ACTIVE JOBS FILE ABENDED

**Explanation:** The source Active Jobs file is either currently being formatted, or an abend occurred during the previous formatting.

The Active Jobs file is formatted daily as part of the New Day process. It may also be formatted by the CTMCAJF utility.

The copy program terminates with a condition code of 08.

**Corrective Action:** If the Active Jobs file is currently being formatted, wait until the formatting is completed. If the previous formatting abended, determine the reason. Resubmit the copy job only after successful formatting.
COPC57S TARGET ACTIVE JOBS FILE IS NOT A NEWLY FORMATTED FILE

Explanation: The target Active Jobs file should not be used before it is formatted by the FORMCKP procedure.

The copy program terminates with a condition code of 08.

Corrective Action: Format the Active Jobs file using the FORMCKP procedure.

COPC58S TARGET ACTIVE JOBS FILE IS NOT LARGE ENOUGH

Explanation: The target Active Jobs file is not large enough to contain the source Active Jobs file.

The copy program terminates with a condition code of 08.

Corrective Action: Reallocate and reformat the new Active Jobs file.

COPC59I num JOBS WERE DELETED FROM THE ACTIVE JOBS FILE

Explanation: This information message displays the number of jobs deleted from the Active Jobs file during a run of the CLEANUP function of the CTMCAJF utility. The CLEANUP function of the CTMCAJF utility deletes jobs from the Active Jobs file according to the same criteria as the New Day procedure.

Corrective Action: No action is required.

COPC67I jobName DELETED FROM THE ACTIVE JOBS FILE

Explanation: This information message identifies a job that was deleted from the Active Jobs file during a run of the CLEANUP function of the CTMCAJF utility. The CLEANUP function of the CTMCAJF utility deletes jobs from the Active Jobs file according to the same criteria as the New Day procedure. Whenever a job is deleted, this message is issued.

The Control-M/Enterprise Manager (Control-M/EM) Mainframe Gateway shuts down.

Corrective Action: Correct the JCL for the Control-M/EM Gateway and restart it.

COPC69S EXECUTION STOPS DUE TO CONTROL-M MONITOR NOT RUNNING

Explanation: The CLEANUP function of the CTMCAJF utility stops because the Control-M monitor is not running. The CLEANUP function of the CTMCAJF utility can run only when the Control-M monitor is running.

The CTMCAJF utility terminates.

Corrective Action: BMC Software recommends the following:

- If Control-M is down, run the CTMCAJF utility with the COMPRESS function.
- If Control-M is up, run the CTMCAJF utility with the CLEANUP function.

COPC70S ACTIVE JOBS FILE (CKP) SIZE - PARM TABLE MISMATCH

Explanation: The value for the CKPSIZE parameter being used by the CTMCAJF utility is different from the CKPSIZE value used to format the Active Jobs file. The parameter is defined in the CTMPARM member in the IOA PARM library. The values used must be identical.
The CTMCAJF utility terminates. The requested action is not done.

**Corrective Action:** Ask your INCONTROL administrator to determine the cause of the discrepancy in the CKPSIZE value, and correct the error.

**COPC75S COMPRESS AND CLEANUP ARE NOT ALLOWED FOR HISTORY FILE PROCESSING**

**Explanation:** The COMPRESS and CLEANUP parameters may not be specified when using the CTMHCOP procedure to copy or expand the History Jobs file. Only the COPY parameter can be used.

The CTMHCOP utility terminates with a return code of 8.

**Corrective Action:** Use the COPY parameter to copy or expand the History Jobs file.

**COS messages**

This group includes messages for the Control-O product.

**Messages COS600 through COS6xx**

This group includes messages for the Control-O product.

**COS620I CONTROL-O COSMOS INITIALIZATION STARTED. CTOCOS release APAR apar**

**Explanation:** Control-O issues the message when starting the Control-O Status Monitoring System (COSMOS) and displays the version and the level of the COSMOS main module CTOCOS.

**Corrective Action:** No action is required.

**COS621I CONTROL-O COSMOS STARTED**

**Explanation:** This information message indicates that the Control-O Status Monitoring System (COSMOS) has been started in response to an operator command or as part of the Control-O startup process.

**Corrective Action:** No action is required.

**COS622S CONTROL-O COSMOS TERMINATION ERROR**

**Explanation:** COSMOS terminated after an error was detected. This message is accompanied by other messages which explain the cause of the error.

COSMOS ends with errors.

**Corrective Action:** Examine the accompanying messages for the cause of the problem, and correct it as appropriate.
COS623I CONTROL-O COSMOS ENDED

Explanation: This information message indicates COSMOS terminated in response to an operator command or as part of the Control-O shutdown process.

Corrective Action: No action is required.

COS624S OPEN OF DDNAME ddName FAILED

Explanation: COSMOS was unable to open the file referenced by the ddName DD statement.

Possible causes are:
- The ddName DD statement is misspelled.
- The data set (member) described by the ddName DD statement does not exist.

COSMOS ends with errors.

Corrective Action: Check the Control-O starting procedure JCL to verify that the DD statement and the file referenced by it exist.

COS625S READ ERROR FOR ddName

Explanation: COSMOS is unable to read the file referenced by the ddName DD statement.

Possible causes are:
- The ddName DD statement is misspelled.
- The data set (member) described by the ddName DD statement does not exist.

COSMOS ends with errors.

Corrective Action: Check that the appropriate file name is referenced correctly.

COS626S CONTROL-O COSMOS INITIALIZATION ERROR

Explanation: An error was detected during COSMOS initialization. This message is accompanied by other messages that describe the error that occurred.

COSMOS shuts down.

Corrective Action: Examine the accompanying messages for more information about the initialization error.

COS627S CONTROL-O COSMOS MISSING OBJECT PLB

Explanation: The pool of AutoEdit variables containing the Objects cannot be found. A search is made for this pool during COSMOS initialization.

COSMOS shuts down.

Corrective Action: Check if the object pool defined in the COSMOLST member was defined in DAGLBLST and exists in memory.
COS628S CONTROL-O COSMOS MISSING METHOD PLB

**Explanation:** The pool of AutoEdit variables containing the Methods cannot be found. A search is made for this pool during COSMOS initialization.

COSMOS shuts down.

**Corrective Action:** Check if the method pool defined in the COSMOLST member was defined in DAGLBLST and exists in memory.

COS629S CONTROL-O COSMOS MISSING PREREQ PLB

**Explanation:** The pool of AutoEdit variables containing the Prerequisites cannot be found. A search is made for this pool during COSMOS initialization.

COSMOS shuts down.

**Corrective Action:** Check if the prerequisites pool defined in the COSMOLST member was defined in DAGLBLST and exists in memory.

COS630S CONTROL-O COSMOS GETMAIN ERROR FOR CDT

**Explanation:** COSMOS failed to acquire storage for the CDT control block. CDT is a required internal control block for COSMOS.

COSMOS shuts down.

**Corrective Action:** Check if the storage defined for the ECSA (Extended Common Service Area) is large enough. If not, increase the ECSA size.

COS631S CONTROL-O COSMOS GETMAIN ERROR FOR RETEXT

**Explanation:** COSMOS subtask failed to allocate a working area.

COSMOS terminated. Control-O continues to operate.

**Corrective Action:** Check MVS GETMAIN messages that appear in the SYSLOG and try to solve the problem.

COS632S CONTROL-O COSMOS POOL poolname WAS NOT LOADED GLOBAL VARIABLE DATABASE.

**Explanation:** COSMOS subtask tries to initiate the COSMOS environment but the pool was not loaded.

COSMOS terminated. Control-O continues to operate.

**Corrective Action:**

1. Check that the pool name is correct in COSMOLST and if not, correct it. If the pool name is missing, add it to the DAGLBLST, then load the pool name.

2. Check that pool name is in the DAGLBLST and its characteristics are correct.

If the pool name's characteristics are incorrect stop and start the Control-O monitor. After correcting the error you can restart COSMOS.
COS633S CONTROL-O COSMOS POOL poolname MAX ROW IS ZERO.

**Explanation:** COSMOS subtask tries to initiate the COSMOS environment but the pool cannot be used by COSMOS because it cannot contain any data.

COSMOS terminated. Control-O continues to operate.

**Corrective Action:** Correct the pool definition in IOA Global Variable Database then load it again using LOADGLOBAL=poolname modify command.

COS634I CONTROL-O COSMOS HEADER MODE=mode PRE-REQUISITE=poolname OP-FLAGS=flags FSM-FLAGS=flags

**Explanation:** COSMOS subtask displays record type "H" from COSMOLST.

**MODE=mode** - default status of COSMOS' objects

**PRE-REQUISITE=poolname** - name of prerequisite pool

**OP-FLAGS=flags** - COSMOS operation flags

**FSM-FLAGS=flags** - COSMOS control flags

For details on the flags, refer to the Control-O/COSMOS User Guide

**Corrective Action:** No action is required.

COS635I CONTROL-O COSMOS OBJECTS source_pool-operating_pool METHOD method MODE=mode UP=up DOWN=down UNKNOWN=unknown

**Explanation:** COSMOS subtask displays record type "T" from COSMOLST.

**OBJECTS source_pool-operating_pool** - name of COSMOS source and its operating pool name

**METHOD method** - method's pool name for objects of this pair of pools

**MODE=mode** - default mode for objects of this pair of pools

**UP=up** - the code used in this pool pair to represent the UP state

**DOWN=down** - the code used in this pool pair to represent the DOWN state

**UNKNOWN=unknown** - the code used in this pool pair to represent the UNKNOWN state

**Corrective Action:** No action is required.

COS636I CONTROL-O COSMOS SYSTEMS a b c d e f g

**Explanation:** COSMOS subtask displays record type "C" from COSMOLST.

a-g are the system names in the record

**Corrective Action:** No action is required.
COS637S CONTROL-O COSMOS SYSTEM system IS NOT IN COSMOS SYSTEMS LIST

Explanation: COSMOS subtask displays the started system whose name is not included in record type "C" from COSMOLST.

COSMOS terminated. Control-O continues to operate.

Corrective Action: Add the started system to record type "C" in COSMOLST. Start COSMOS again.

Messages COSF00 through COSFxx

This group includes messages for the Control-O product.

COSFSM xx CONTROL-O/COSMOS Internal Message

Explanation: This is an internal message used by the Control-O/COSMOS rule with the same name as the message ID. For more information about the relevant rule, see the component details chapter of the Control-O/COSMOS User Guide.

Corrective Action: No action is required.

CPA messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages CPA800 through CPA8xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CPA881I COPYING PERMANENT USER FILE TO ACTIVE USER FILE STARTED WITH ODATE=odate

Explanation: This information message indicates that the CTDCP2A utility is copying the list of reports from the Permanent User Report List file to the Active User Report List file.

Corrective Action: No action is required.

CPA882I COPYING PERMANENT USER FILE TO ACTIVE USER FILE ENDED OK

Explanation: This information message indicates that the CTDCP2A utility has finished copying the list of reports from the Permanent User Report List file to the Active User Report List file. This is a normal end message for the CTDCP2A utility.

Corrective Action: No action is required.
CPA884S COPYING PERMANENT USER FILE TO ACTIVE USER FILE ENDED WITH ERRORS

**Explanation:** An error occurred during the execution of the CTDCP2A utility.

**Corrective Action:** A previous message should describe the error.

CPA885E INVALID DATE SUPPLIED IN THE PARM FIELD

**Explanation:** The content of the date parameter passed to the CTDCP2A utility is invalid. The valid format is ddmmyy or mmddyy.

**Corrective Action:** Correct the date, and rerun the CTDCP2A utility.

CPA886I COPIED TO ACTIVE USER FILE userName jobName cat fromUser reportName

**Explanation:** This information message indicates that a record was successfully copied from the Permanent Report List file to the Active Report List file. The CTDCP2A utility issues this message for each record successfully copied from the Permanent Report List file.

**Corrective Action:** No action is required.

CPA887I TOTAL NUMBER OF RECORDS COPIED TO ACTIVE USER FILE IS: num

**Explanation:** This information message displays the total number of records copied from the Permanent User Report List file to the Active User Report List file. The CTDCP2A utility issues this message after copying all records that satisfy the selection criteria.

**Corrective Action:** No action is required.

CPA888I ACTION USER JOB CATEGORY FROM USER REPORT NAME

**Explanation:** This information message is issued by the CTDCA2P utility as a heading line for message CPA886I.


**Corrective Action:** No action is required.

CPA889I userName jobName reportName cat

**Explanation:** This information message is issued by the CTDCP2A utility.


The variables in this message relate to the record copied to the Active User file, as follows:
INCONTROL for z/OS Messages Manual

- `userName` - the identity of the user
- `jobName` - the identity of the job
- `reportName` - the identity of the report
- `cat` - the category

**Corrective Action:** No action is required.

**CPR messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages CPR800 through CPR8xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CPR846S INSUFFICIENT SPACE FOR** `type cond odate`

**Explanation:** The output IOA Conditions file has insufficient space for all the prerequisite conditions from the input file. The combination of the LRECL parameter with the CNDREC# parameter is smaller in the output file than in the input file, and some prerequisite conditions in the input file could not be copied to the output file.

The variables in this message are:

- `type` - type of condition
- `cond` - condition name
- `odate` - original date

The conversion or copy of the file stops. The content of the output file is unpredictable.

**Corrective Action:** Create a larger output file and run the utility again.

**CPS messages**

This group includes messages for the Control-O product.

**Messages CPS400 through CPS4xx**

This group includes messages for the Control-O product.

**CPS421I CTOCPS STARTED**

**Explanation:** This information message indicates that the CTOCPS program, which compresses or verifies the Global AutoEdit library, started.
Corrective Action: No action is required.

CPS422S COMPRESS REQUIRED FOR GLOBAL AUTOEDIT VARIABLES LIBRARY

Explanation: The Global AutoEdit library needs to be compressed but automatic compression was disabled. Control-O does not automatically compress the Global AutoEdit library because N is specified for the GLBCOMP parameter in the CTOPARM member.

The library is not compressed. The WRITEGLOBAL command fails.

Corrective Action: Do one of the following:

- Use site compression procedures to compress the Global AutoEdit library.
- Ensure that the Global AutoEdit library is large enough to prevent D37 abends between periodic compressions.

For information on how to set automatic compression, see the Control-O chapter in the INCONTROL for z/OS Installation Guide.

CPS423S DYNAMIC ALLOCATION ERROR DURING COMPRESS, ERROR=rc/rsn/dsn


The variables in this message are:

- rc - the return code of the error
- rsn - the reason for the failure
- dsn - the name of the data set that cannot be allocated

The CTOCPS program ends with a return code of 08. The WRITEGLOBAL command fails.

Corrective Action: For an explanation of the return code (rc) and the reason code (rsn), see the IBM manual MVS Programming: Authorized Assembler Services Guide. Until this problem is resolved, use site compression procedures to compress the Global AutoEdit library.

CPS424I FIRST COMPRESSION PHASE STARTED - LIBRARY UNLOAD

Explanation: This information message indicates that the backup phase of the CTOCPS program has begun.

Corrective Action: No action is required.

CPS425I SECOND COMPRESSION PHASE STARTED - COMPRESS IN PLACE

Explanation: This information message indicates that the compress in place phase of the CTOCPS program has begun.

Corrective Action: No action is required.
CPS426I CTOCPS ENDED

**Explanation:** This information message indicates that the CTOCPS program has successfully completed compressing the Global AutoEdit library.

**Corrective Action:** No action is required.

CPS427S IEBCOPY RETURNED A NON-ZERO COMPLETION CODE

**Explanation:** IEBCOPY could not complete its task. IEBCOPY is invoked internally by the CTOCPS program to copy or compress a data set.

The CTOCPS program ends with a return code of 08. The WRITEGLOBAL command fails.

**Corrective Action:** If your system programmer can not resolve the problem, contact your INCONTROL administrator. Until this problem is resolved, use site compression procedures to compress the Global AutoEdit library.

CPS428S CTOCPS RECEIVED AN INVALID PARAMETER LIST

**Explanation:** The CTOCPS program received a parameter list with an unexpected format. This message indicates an internal error.

The CTOCPS program ends with a return code of 08. The WRITEGLOBAL command fails.

**Corrective Action:** Contact BMC Software Customer Support. Until this problem is resolved, use site compression procedures to compress the Global AutoEdit library.

CPS429S PREVIOUS COMPRESS FAILED. GLOBAL LIBRARY CANNOT BE RESTORED FROM BACKUP

**Explanation:** Compression cannot be performed because the Global AutoEdit library was corrupted during the last compression and no valid backup exists.

During CTOCPS processing, the $SCOMPST control member is repeatedly updated to track completed operations. The contents of this control member indicate that the last time CTOCPS ran, Control-O did not successfully compress the Global AutoEdit library. As a result, there is no usable backup. Therefore, the Global AutoEdit library cannot be restored.

Control-O stops loading Global variables.

**Corrective Action:** If you are unable to restore the Global AutoEdit library, run the NEWGLOB job, which renames the corrupted Global AutoEdit library, and creates a new one with the old name using Global variable information from memory. If necessary, you can use the TAILOR JOB option available from ICE by selecting MAINTAIN YOUR ENVIRONMENT => ICE REFRESH=> OPTION 3.

For more information, see the section on automatic compression of the global AutoEdit library in the INCONTROL for z/OS Administrator Guide.
CPS430S ERROR READING AUTO-COMPRESS CONTROL-MEMBER
$$COMPST

Explanation: The CTOCPS program was unable to read the $$COMPST control member. The $$COMPST control member is defined by the NEWGLOB job during installation of Control-O. The CTOCPS program checks the $$COMPST control member to determine if the last automatic compression was successfully completed.

The CTOCPS program ends with a return code of 08. The READGLOBAL and WRITEGLOBAL commands are ignored.

Corrective Action: Ensure that the $$COMPST control member exists in the Global AutoEdit library, and if the NEWGLOB job was not run during installation, submit this job. If the problem is not resolved, contact your INCONTROL administrator.

CPS431S ERROR WRITING AUTO-COMPRESS CONTROL-MEMBER
$$COMPST

Explanation: The CTOCPS program was unable to write the $$COMPST control member. The $$COMPST member is defined by the NEWGLOB job during installation of Control-O.

The CTOCPS program ends with a return code of 08.

Corrective Action: Ensure that the $$COMPST control member exists in the Global AutoEdit library, and if the NEWGLOB job was not run during installation, submit this job. If the problem is not resolved, contact your INCONTROL administrator.

CPS432I RESTORE OF GLOBAL VARIABLES LIBRARY STARTED

Explanation: This information messages indicates that the CTOCPS program has begun restoring the Global AutoEdit library. The CTOCPS program was unable to read the Global AutoEdit library, but the backup file is intact.

CTOCPS restores the Global AutoEdit library from the backup file.

Corrective Action: No action is required.

CPS433S ABEND abCode INTERCEPTED DURING COMPRESS

Explanation: The ESTAE recovery routine intercepted an abend during execution of a READGLOBAL or WRITEGLOBAL command.

The READGLOBAL or WRITEGLOBAL command is ignored.

Corrective Action: Check and correct the names of the Global AutoEdit library and the backup copy. If these libraries are corrupt (for example, by a disk crash), restore them from a backup.

CPS434I COMPRESS OF GLOBAL VARIABLES LIBRARY STARTED

Explanation: This information message indicates that the CTOCPS program has begun compressing the Global AutoEdit library.

Corrective Action: No action is required.
CRR messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CRR100 through CRR1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CRR101S LCT EXCEEDED MAXIMUM NUMBER OF ENTRIES (10000)

**Explanation:** An attempt was made to add an entry to the Local Command Table (LCT), an internal program table, but it already contains the maximum number of allowable entries.

Control-M Extended MCS tracking is stopped.

**Corrective Action:** Examine the SPY289E message, which always accompanies this message, and proceed accordingly.

CRR102S JNF EXCEEDED MAXIMUM NUMBER OF ENTRIES (10000)

**Explanation:** An attempt was made to add an entry to the Job Not Found Table (JNF), an internal program table, but it already contains the maximum number of allowable entries.

Control-M Extended MCS tracking is stopped.

**Corrective Action:** Examine the SPY289E message, which always accompanies this message, and proceed accordingly.

CRS messages

This group includes messages for the Control-O product.

Messages CRS900 through CRS9xx

This group includes messages for the Control-O product.

CRS931I CLEAN FOR IOA CONDITIONS FILE STARTED

**Explanation:** This information message indicates that the IOACLND utility started.

**Corrective Action:** No action is required.

CRS932I CLEAN FOR IOA CONDITIONS FILE ENDED

**Explanation:** This information message indicates that the cleaning of the IOA Conditions file by the IOACLND utility ended successfully.

**Corrective Action:** No action is required.
CRS933S FILE ALLOCATED TO DDNAME "DASINC" IS NOT IOA SYNCHRONIZATION FILE

**Explanation:** The data set described by the DASINC DD statement is not IOA Synchronization file. This message is produced by the IOACLCND IOA utility.

Possible causes are:

- The file allocated to the DASINC DD statement is not the Synchronization file.
- The file allocated to the DASINC DD statement is the Synchronization file, but it is of a different version or of a different IOA installation.

The utility stops executing.

**Corrective Action:** Correct the JCL for the job.

CRS934E INVALID PARAMETER: - parm

**Explanation:** An invalid parameter was passed to the IOACLCND utility. In this message, *parm* identifies the invalid parameter.

For a list of valid parameters, see the IOACLCND utility in the *INCONTROL for z/OS Utilities Guide*. The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the parameter line.

CRS935E MISSING PARAMETER AFTER: - parm

**Explanation:** A subparameter of a parameter to the IOACLCND utility is missing. A subparameter is expected after the *parm* parameter.

For valid syntax, see the IOACLCND utility in the *INCONTROL for z/OS Utilities Guide*. The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the parameter line.

CRS936E REDUNDANT PARAMETER: - parm

**Explanation:** There is a redundant parameter in a parameter line for the IOACLCND utility. For details, refer to the IOACLCND utility in the *INCONTROL for z/OS Utilities Guide*. The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the parameter line.

CRS937S IOA CONDITIONS FILE WAS NOT CLEANED

**Explanation:** This error is the result of a previous error in the IOACLRES utility. A previous message contains the reason for not cleaning the Conditions file.

The utility stops executing.

**Corrective Action:** Correct the problem and rerun the utility.
CRS938I CONDITION cond ODATE odate SCRATCHED

**Explanation:** This information message indicates that the specified condition was successfully deleted from the IOA Conditions file by the IOACLCND utility or by New Day processing.

**Corrective Action:** No action is required.

CRS939E DATE RANGE IS GREATER THAN ONE YEAR

**Explanation:** The date range specified in the FROM/TO parameter is greater than one year (the IOACLRES utility). The TO date is greater than the FROM date by more than a year. There is no way to IGNORE more than one year.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the parameters and rerun.

CSF messages

This group includes messages for the Control-O product.

Messages CSF300 through CSF3xx

This group includes messages for the Control-O product.

CSF321S ERROR OPENING REPORT FILE

**Explanation:** The CTOCSF program was unable to open the file specified in the SYSPRINT DD statement. The SYSPRINT DD statement is either not specified in the JCL, or is specified incorrectly.

The CTOCSF program ends with a return code of 08.

**Corrective Action:** Check and correct the JCL job.

CSF322S ERROR OPENING STATISTICS INPUT FILE

**Explanation:** The source Statistics file cannot be opened. The CTOCSF program is unable to open the file referenced by the DASTF DD name.

Possible causes are:

- The SMF ID of the current CPU does not match the SMF ID included as part of the name of the Statistics file.
- The Statistics file may have been corrupted or moved from the expected location.

The CTOCSF program ends with a return code of 08.

**Corrective Action:** Do either or both of the following:
Examine and correct the JCL.
Examine any associated MVS messages for additional information, and correct any errors they may disclose.

CSF323S INSUFFICIENT SPACE IN TARGET FILE

Explanation: The new Statistics file is not large enough to contain all the records listed in the source Statistics file.

The CTOCSF program ends with a return code of 08.

Corrective Action: Create a larger Statistics file and resubmit the job.

CSF324W ERROR CLOSING STATISTICS INPUT FILE

Explanation: An internal error was encountered while closing the source Statistics file referenced by the DD name DASTF.

The CTOCSF program ends with a return code of 08.

Corrective Action: Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.

CSF325S ERROR OPENING STATISTICS OUTPUT FILE

Explanation: Control-O was unable to open the target Statistics file specified in the CTOPARM member.

The CTOCSF program ends with a return code of 08.

Corrective Action: Check the JCL and the CTOPARM member for errors and resubmit the job.

CSF326S STATISTICS FILE DYNAMIC ALLOCATION ERROR rc/rsn/dsn

Explanation: Dynamic allocation of the dsn Statistics file failed with a return code of rc and a reason code of rsn.

The CTORSTM Statistics Report utility terminates with a return code of 08.

Corrective Action: Examine the IBM manual MVS Programming: Authorized Assembler Services Guide to determine the cause of the error, and correct the error accordingly. If not successful, contact your INCONTROL administrator.

CSF327W ERROR CLOSING STATISTICS OUTPUT FILE

Explanation: An internal error was encountered while closing the target Statistics file. This message may be accompanied by an MVS message explaining the error. If such a message is issued, your system programmer may be able to fix the problem.

The CTOCSF program ends with a return code of 08.

Corrective Action: Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.
CSF328I  COPY OF STATISTICS FILE ENDED OK

**Explanation:** This information message indicates that the Statistics file was successfully copied by the CTOCSF utility.

**Corrective Action:** No action is required.

CSF329I  COPY OF STATISTICS FILE STARTED

**Explanation:** This information message indicates that the CTOCSF utility has begun copying the Statistics file.

**Corrective Action:** No action is required.

CTA messages

This group includes messages for the Control-O product.

Messages CTA600 through CTA6xx

This group includes messages for the Control-O product.

CTA660I  ADDRESS SPACE *addrSpace* WILL BE PROCESSED NOW

**Explanation:** This information message indicates that the CTOCTA utility has begun processing the *addrSpace* address space. The CTOCTA utility will display all programs running.

**Corrective Action:** No action is required.

CTA661I  ADDRESS SPACE *addrSpace* IS SWAPPED OUT AND WILL BE SKIPPED

**Explanation:** This information message indicates that the CTOCTA utility attempted to get information from the *addrSpace* address space, but it failed because the address space is swapped out. An ALESERV function was invoked to analyze the address space, but failed.

The CTOCTA utility continues its analysis with the next address space.

**Corrective Action:** No action is required.

CTA662E  ALESERV ADD FAILED WITH RETURN CODE *rc*

**Explanation:** The CTOCTA utility was invoked to get information from the address space but failed with a return code of *rc*. An ALESERV function was invoked to analyze the address space, but failed.

The CTOCTA utility continues its analysis with the next address space.

**Corrective Action:** No action is required.
CTA663E ALESERV DELETE FAILED WITH RETURN CODE \textit{rc}

**Explanation:** The CTOCTA utility analyzed information from an address space but the attempt to disconnect from the address space failed. The DELETE ALESERV function was invoked to disconnect from the address space after analyzing it, but failed with a return code of \textit{rc}.

The CTOCTA utility continues its analysis with the next address space.

**Corrective Action:** No action is required.

CTA664I ADDRESS SPACE \textit{addrSpace} status

**Explanation:** This information message indicates that the \textit{addrSpace} address space is ACTIVE or INACTIVE. The CTOCTA utility displays the target address space and its status after completing its analysis of the system.

**Corrective Action:** No action is required.

CTA665E INPUT PARAMETER (ADDRESS SPACE NAME) ERROR DETECTED

**Explanation:** An input parameter is missing or is too large. Either the parameter is not present in the invocation JCL, or it is too large.

The CTOCTA utility terminates.

**Corrective Action:** Add or correct the input parameter and rerun the job.

CTA666I PROGRAM \textit{pgm} FOUND IN THE RB CHAIN

**Explanation:** This information message indicates that the CTOCTA utility found at least one task in the address space running the \textit{pgm} program.

**Corrective Action:** No action is required.

CTA667I SVC \textit{svcno} (TYPE 2 NUCLEUS SVC) FOUND IN AN SVRB

**Explanation:** This information message indicates that the CTOCTA utility found at least one task in the address space running the \textit{svcno} SVC number.

**Corrective Action:** No action is required.
CTB - CTD

This group includes messages for the Control-M/Analyzer, Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTB messages

This group includes messages for the Control-M/Analyzer product.

Messages CTB0 through CTB0xx

This group includes messages for the Control-M/Analyzer product.

CTB001I CONTROL-M/ANALYZER RUNTIME ENVIRONMENT STARTED -
MODE IS modeType SCOPE IS scope

Explanation: This information message indicates that the Control-M/Analyzer Runtime Environment has been invoked in modeType mode, and is executing using the identified scope.

The Control-M/Analyzer Runtime Environment can be invoked in STANDALONE mode (as a job step or as a call from a user program), or from within the Control-M or Control-D monitors.

In this message, scope is the type of call used to invoke the environment. Valid values are:

- UNSCHEDULED - a direct rule call
- SINGLE - a call through a balancing mission
- STEP - a call through a balancing mission
- JOB - a call through a balancing mission

For more information, see the SCOPE parameter in the Control-M/Analyzer User Guide.

Corrective Action: No action is required.

CTB002I CONTROL-M/ANALYZER RUNTIME ENVIRONMENT ENDED

Explanation: This information message indicates that the Control-M/Analyzer Runtime Environment terminated normally.

Corrective Action: No action is required.

CTB003S INTERNAL ERROR IN COMMAND DO cmd

Explanation: An internal error occurred while executing the DO command identified in the message. Earlier messages indicate the reason for the error.

The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Ask your INCONTROL administrator to give the information contained in occurrences of the CTB200S message to BMC Software Customer Support.

CTB004E LEVEL SPECIFIED IN DO EXTRACT (lvl1) IS GREATER THAN HIGHEST EXISTING LEVEL (lvl2)

Explanation: Statement DO EXTRACT specified a level (lvl1) which exceeds the highest existing level (lvl2).

The DO EXTRACT level must refer to a preceding WHEN statement in the current sub-block. The WHEN statements of the sub-block are numbered starting from 1. The error occurred because the LEVEL parameter specified a non existing WHEN statement. For more information, see the WHEN statement in the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the error and invoke Control-M/Analyzer again.

CTB005E LINE FROM WHICH TO EXTRACT (lin) NOT WITHIN THE LINE RANGE (fromline-toline) CURRENTLY IN MEMORY

Explanation: The line specified in statement DO EXTRACT must refer to a report line that exists in the current Control-M/Analyzer internal buffers, but it does not. Control-M/Analyzer currently has lines fromline to toline in memory.

Control-M/Analyzer keeps a number of pages from the currently processed report in memory. This is usually sufficient for backward and forward references of WHEN and DO EXTRACT statements.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Ask your INCONTROL administrator to increase the number of pages Control-M/Analyzer stores in memory by changing the RTEBUF parameter in the CTBPARM member.

CTB006E LENGTH TO EXTRACT (charas) EXCEEDS THE MAXIMUM ALLOWABLE LENGTH (max_charas)

Explanation: The number of characters to extract that was specified in a DO EXTRACT statement exceeded the maximum number of characters that may be extracted.

A DO EXTRACT statement extracts values that are subsequently stored in a variable. The maximum length that may be extracted is the maximum length of the variable value.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the DO EXTRACT statement and invoke Control-M/Analyzer again.

CTB007E LINE TO FIND (lin) NOT WITHIN THE LINE RANGE (fromline-toline) CURRENTLY IN MEMORY

Explanation: The line specified in a WHEN statement must refer to a report line that exists in the current Control-M/Analyzer internal buffers, but it does not. Control-M/Analyzer currently has lines fromline to toline in memory.

Control-M/Analyzer keeps a number of pages from the currently processed report in memory. This is usually sufficient for backward and forward references of WHEN and DO EXTRACT statements.
The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Ask your INCONTROL administrator to increase the number of pages Control-M/Analyzer stores in memory by changing the RTEBUF parameter in the CTBPARM member.

**CTB008E FROM COL (fromcol) SHOULD BE GREATER THAN TO COL (tocol)**

**Explanation:** The FROM COL value exceeded the TO COL value in a DO EXTRACT statement. The specified FROM COL value must be less than or equal to the TO COL value.

The variables in this message are:
- `fromcol` - the FROM COL value in the DO EXTRACT statement
- `tocol` - the TO COL value in the DO EXTRACT statement

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the DO EXTRACT statement and invoke Control-M/Analyzer again.

**CTB009I GROUP-MODE IS modeType**

**Explanation:** This information message indicates that the Control-M/Analyzer Runtime Environment has been invoked using the `modeType` Group mode.

**Corrective Action:** No action is required.

**CTB00AI INVOKED RULE= memName [- lib]**

**Explanation:** This information message indicates that the Control-M/Analyzer Runtime Environment has been invoked with the `memName` rule member (from the `lib` library).

**Corrective Action:** No action is required.

**CTB00BI CONTROL-M/ANALYZER IS RUNNING IN "DEFINE" MODE (NO ACTIONS PERFORMED)**

**Explanation:** This information message indicates that the Control-M/Analyzer Runtime Environment has been invoked in Define mode.

In Define mode, Control-M/Analyzer does not perform any balancing activity. All calls to Control-M/Analyzer routines are immediately returned with status END OK and a return code of 0.

For more information, see Define mode in the *Control-M/Analyzer User Guide*.

**Corrective Action:** No action is required.

**CTB010E COMPILATION ERROR FOR RULE ruleName RC= rc**

**Explanation:** The Control-M/Analyzer Runtime Environment was invoked with a rule member that contains invalid syntax.

During execution, all invoked rules are checked (compiled) for valid syntax. Whenever invalid syntax is encountered, an error occurs.

The variables in this message are:
CTB011E MEMORY ALLOCATION ERROR WHILE LOADING RULE ruleName

Explanation: The Control-M/Analyzer Runtime Environment has insufficient memory to load a rule. The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Increase the REGION size and invoke Control-M/Analyzer again. If the problem persists, notify your INCONTROL administrator.

CTB012I WHILE PROCESSING COMMAND DO cmd

Explanation: This information message accompanies other error messages. It identifies the DO command that was in process when the error specified in the other message occurred.

In this message, cmd is the DO command in process when the error occurred.

Corrective Action: No action is required.

CTB013I ENDED result COMMITTED num VARIABLE(S) USER RC= rc

Explanation: This information message is a normal termination message of the Control-M/Analyzer Runtime environment. This message accompanies other normal termination messages.

The variables in this message are:

- result - the status when the Control-M/Analyzer Runtime environment ended Valid values are:
  - OK
  - TOLER
  - NOTOK
  - ABEND
- num - the number of variables committed
- rc - the return code

Corrective Action: No action is required.

CTB014E GROUP grp IS NOT DEFINED

Explanation: A non-existing group was specified when the Control-M/Analyzer Runtime Environment was invoked.

The Control-M/Analyzer Runtime Environment must be invoked with an existing group name. Groups can be defined and viewed using the Control-M/Analyzer Online Facility.

For information on the methods that can be used to specify the group under which Control-M/Analyzer is to run, see the Control-M/Analyzer chapter of the INCONTROL for z/OS Administrator Guide.
The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Specify an existing group and invoke Control-M/Analyzer again.

**CTB015E NO GROUP SPECIFIED FOR CONTROL-M/ANALYZER INVOCATION**

**Explanation:** No group name was specified when the Control-M/Analyzer Runtime Environment was invoked.

The Control-M/Analyzer Runtime Environment must be invoked with an existing group name. Groups can be defined and viewed using the Control-M/Analyzer Online Facility.

For information on the methods that can be used to specify the group under which Control-M/Analyzer is to run, see the Control-M/Analyzer chapter of the *INCONTROL for z/OS Administrator Guide*.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Specify an existing group, and invoke Control-M/Analyzer again.

**CTB016E BLOCK blk DOES NOT EXIST**

**Explanation:** The block identified in the message does not exist in the current rule. The rule contained a reference to a nonexisting block, such as the block specified as a parameter to the DATASTAMP function.

In this message, `blk` is the non-existing block specified in the rule.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the reference and invoke Control-M/Analyzer again.

**CTB017E COLUMN RANGE TO EXTRACT col1-col2 IS BEYOND LINE LENGTH len**

**Explanation:** The column range specified in statement DO EXTRACT referred to columns beyond the record length of the input source.

The variables in this message are:

- `col1` - the first column in the specified range
- `col2` - the last column in the specified range
- `len` - the record length of the input source

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Correct the column range or verify that the block refers to the correct input source.

**CTB020W NEGATIVE COLUMN VALUE (col_val) SPECIFIED WHEN SEARCHING FOR "string"**

**Explanation:** This warning message indicates that a WHEN statement was specified with a negative column number when searching for the string identified in the message.

WHEN statement column numbers can be relative to the location of previously found data in previous WHEN statements. The negative column number may be the result of such a reference.

The variables in this message are:
- `col_val` - the problematic column number
- `string` - the string that was being searched for

Control-M/Analyzer assumes a column number of 1 and continues execution.

**Corrective Action:** Make sure that this warning message is not the result of a rule definition error.

**CTB021E STRING IN WHEN DOES NOT FIT THE SPECIFIED COLUMN RANGE**

**Explanation:** The length of a WHEN statement search string exceeds the number of characters in the specified column range. Strings specified in the WHEN criteria are compared with the contents of the specified line and column range. The strings must not be longer than the specified column range.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Widen the column range or shorten the string which caused the problem.

**CTB022E FROM LINE (fromline) GREATER THAN TO LINE (toline) IN WHEN, LEVEL= lvl, SEARCH STRING="string"**

**Explanation:** The FROM LINE value exceeded the TO LINE value in a WHEN statement.

When WHEN statement line numbers are relative to previously found data in previous WHEN statements, the calculated FROM LINE value might be greater than the calculated TO LINE value.

The variables in this message are:
- `fromline` - the FROM LINE value
- `toline` - the TO LINE value
- `lvl` - the level
- `string` - the search string

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the reference and invoke Control-M/Analyzer again.

**CTB023E FROM COL (fromcol) GREATER THAN TO COL (tocol) IN WHEN, LEVEL= lvl, SEARCH STRING="string"**

**Explanation:** The FROM COL value exceeded the TO COL value in a WHEN statement. When WHEN statement line numbers are relative to previously found data in previous WHEN statements, the calculated FROM COL value might be greater than the calculated TO COL value.

The variables in this message are:
The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the reference and invoke Control-M/Analyzer again.

CTB024E FROM LINE (*fromline*) GREATER THAN TO LINE (*toline*) IN STOP, LEVEL=*lvl*, SEARCH STRING="*string*"

**Explanation:** The FROM LINE value exceeded the TO LINE value in a STOP statement. When STOP statement line numbers are relative to previously found data in previous STOP statements, the calculated FROM LINE value might be greater than the calculated TO LINE value.

The variables in this message are:
- *fromline* - the FROM LINE value
- *toline* - the TO LINE value
- *lvl* - the level
- *string* - the search string

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the reference and invoke Control-M/Analyzer again.

CTB025E FROM COL (*fromcol*) GREATER THAN TO COL (*tocol*) IN STOP, LEVEL=*lvl*, SEARCH STRING="*string*"

**Explanation:** The FROM COL value exceeded the TO COL value in a STOP statement. When STOP statement line numbers are relative to previously found data in previous STOP statements, the calculated FROM COL value might be greater than the calculated TO COL value.

The variables in this message are:
- *fromcol* - the FROM COL value
- *tocol* - the TO COL value
- *lvl* - the level
- *string* - the search string

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the reference and invoke Control-M/Analyzer again.

CTB026E NO DATA MATCHING WHEN CRITERIA

**Explanation:** The input data set does not contain lines that match the WHEN criteria.

**Corrective Action:** Verify that the WHEN criteria and the data source are correctly specified.
CTB030E DATABASE VARIABLE NOT FOUND: DB_ grp.var (GEN=generationNum DATE= date KEY= key)

Explanation: The Control-M/Analyzer Runtime Environment referenced the database, but could not find a variable matching the user-specified criteria. The user can optionally specify a generation number, date or key for the variable indicated in the message. Either the group or variable does not exist, or a variable generation with the specified generation number, date, or key does not exist, in the database.

The variables in this message are:
- grp - the group containing the variable that could not be found
- var - the variable that could not be found
- generationNum - the generation number of the variable that could not be found
- date - the date of the variable that could not be found
- key - the key of the variable that could not be found

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the reference and invoke Control-M/Analyzer again.

CTB031E VARIABLE NOT FOUND: varName

Explanation: The specified local, system or AutoEdit variable does not exist in the Control-M/Analyzer Runtime Environment’s memory.

In this message, varName is the variable that did not exist.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the reference and invoke Control-M/Analyzer again.

CTB032E DATABASE VARIABLES ALREADY COMMITTED. RUN ID "runId" CANNOT BE SET

Explanation: An attempt was made to change the value of the SYSRUNID system variable, using a DO SET or DO EXTRACT statement, after database variables had already been committed.

The SYSRUNID system variable contains the run ID of the current Control-M/Analyzer run. The value of the run ID must be the same for all the database variables committed in this run. Therefore, the run ID cannot be changed during the run after a database variable has been committed.

In this message, runId is the run ID of the current Control-M/Analyzer run.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Remove the problematic DO statement and invoke Control-M/Analyzer again.

CTB033E CANNOT SET SYSTEM VARIABLE varName

Explanation: An attempt was made to set a system variable that cannot be set.

Most system variables, such as SYSDATE and SYSTIME, cannot be set during Control-M/Analyzer execution because they receive their values only from the system. The Control-M/Analyzer User Guide contains a complete list of system variables, and identifies those that the user can set.
In this message, \textit{varName} identifies the variable that a user tried to set. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

\textbf{CTB034E DATABASE VARIABLE DB\_ grp.var DOES NOT EXIST}

**Explanation:** A nonexisting database variable was specified in a DO SET or DO EXTRACT statement. Either the required database variable exists but its name was specified incorrectly, or the required database variable does not exist.

The variables in this message are:

- \texttt{grp} - the group of the problematic database variable
- \texttt{var} - the problematic database variable

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** If the database variable name was specified incorrectly, correct it and invoke Control-M/Analyzer again.

To create a database variable, either use the Control-M/Analyzer Online facility, or enable the Automatic Variable Creation Facility to dynamically create the nonexisting database variable during the rule's execution. For information about the Automatic Database Variable Creation facility, see the Control-M/Analyzer User Guide.

\textbf{CTB035E ERROR PARSING LINE " line". LINE SKIPPED}

**Explanation:** Control-M/Analyzer encountered an invalid data line while loading an AutoEdit member. AutoEdit member lines must have the format `%%%VAR=value`.

In this message, \textit{line} identifies the problematic line.

Control-M/Analyzer skips the problematic line, and continues to load the rest of the lines of the AutoEdit member.

**Corrective Action:** Correct the problematic line, and invoke Control-M/Analyzer again.

\textbf{CTB036E ERROR PARSING VARIABLE: VAR= varName VAL= " value"}

**Explanation:** While writing an AutoEdit member, the maximum number of output lines was exceeded. By default, Control-M/Analyzer can write a maximum of 1000 lines of variables in an AutoEdit member.

The variables in this message are:

- \texttt{varName} - the problematic variable
- \texttt{value} - the value from the line that exceeded the limit.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Notify the INCONTROL administrator.
CTB037E AUTOEDIT MEMBER lib (memName) ALREADY LOADED

Explanation: A DO GETMEM statement attempted to load the indicated AutoEdit member, but the member was already loaded in the Control-M/Analyzer Runtime Environment memory by a previous DO GETMEM statement. Loaded AutoEdit members remain in memory until unloaded by a DO PUTMEM statement.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the error and invoke Control-M/Analyzer again.

CTB038E AUTOEDIT MEMBER lib (memName) NOT PREVIOUSLY LOADED

Explanation: A DO PUTMEM statement attempted to unload the indicated AutoEdit member, but the member is not in the Control-M/Analyzer Runtime Environment memory.

An AutoEdit member cannot be written back to disk unless it exists in memory. An AutoEdit member is placed in memory when it is loaded using a DO GETMEM statement, or when it is created by using a DO ADDSYM statement to add variables to it.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the error and invoke Control-M/Analyzer again.

CTB03AI WHILE PROCESSING AUTOEDIT MEMBER lib (memName)

Explanation: This information message accompanies other error messages. This message identifies the AutoEdit member that was being processed when the error specified in any other message occurred.

Corrective Action: No action is required.

CTB03BW AUTOEDIT VARIABLE varName ALREADY EXISTS IN MEMBER lib (memName)

Explanation: An attempt was made, using a DO ADDSYM statement, to add a variable to the specified AutoEdit member, but the variable already exists in the AutoEdit member. Variables names must be unique within an AutoEdit member.

Control-M/Analyzer ignores the current DO ADDSYM statement and continues processing.

Corrective Action: Check whether the parameters of the DO ADDSYM statement are correct, and proceed accordingly.

CTB03CE AUTOEDIT VARIABLE varName ALREADY EXISTS IN ANOTHER MEMBER: memName

Explanation: An attempt was made to add an AutoEdit variable (varName) to a member but the variable already exists in the memName member. An AutoEdit variable can be stored in only one member.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Do one of the following:
1. Store the variable only in the memName member.
2. Change the name of the variable.
3. Delete the variable in the memName member.

CTB03DE VARIABLE varName IS NOT AN AUTOEDIT VARIABLE. CANNOT PERFORM ADDSYM

Explanation: A DO ADDSYM statement specifies a variable that already exists as a non-AutoEdit variable. The name cannot refer to an existing variable.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Rename either the existing variable or the variable to be added to an AutoEdit member.

CTB040E INVALID SEARCH CRITERIA FOR DATABASE VARIABLE

Explanation: An invalid variable reference statement was specified.

For information about variable reference statements, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the error and invoke Control-M/Analyzer again.

CTB041S INTERNAL ERROR IN modName: OPT= optn RC= rc

Explanation: An error occurred in the module identified in the message when invoked with the reported option.

The variables in this message are:

- modName - the name of the module in which the error occurred
- optn - the option used when the module was invoked
- rc - the return code

The Control-M/Analyzer Runtime environment terminates with an error.

Corrective Action: Record the information in the message and notify your INCONTROL administrator.

CTB045E ERROR COMMITTING DB _grp.var

Explanation: An error occurred while the specified database variable was being committed. Preceding messages provide additional information regarding the error.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Notify the INCONTROL administrator.

CTB046E DATABASE VARIABLE NOT PREVIOUSLY SET: DB_ grp.var

Explanation: A DO COMMIT statement is attempting to commit a database variable that was not previously set. A database variable cannot be committed unless it was previously given a value by means of a DO SET or DO EXTRACT statement.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the error and invoke Control-M/Analyzer again.
CTB047E ERROR CREATING DB_ grp.var

**Explanation:** An error occurred while trying to dynamically create a database variable using the Automatic Variable Creation Facility. Preceding messages provide additional information regarding the error.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Notify the INCONTROL administrator.

CTB048E UNABLE TO COMMIT var. VARIABLE WAS PASSED AS AN ARGUMENT TO THE BLOCK/RULE

**Explanation:** A database variable could not be committed using option DELETE or NOW because it was passed as an argument to the current block or rule.

In this message, *var* is the database variable that could not be committed.

When variables are passed as arguments in a DO BLOCK or RULE statement, their values are copied into BARGnn and RARGnn variables and restored upon block or rule completion. Committing a database variable deletes it from the runtime environment. A database variable passed as an argument cannot be committed using the DELETE or NOW option because it would be meaningless to restore its value after it is deleted.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Place the DO COMMIT statement outside the called block or rule.

CTB050E MEMORY ALLOCATION ERROR IN AUTOEDIT

**Explanation:** There was insufficient storage to resolve AutoEdit symbols. Subsequent messages provide additional information regarding the error.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Increase the REGION size and invoke Control-M/Analyzer again. If the problem persists, notify your INCONTROL administrator.

CTB051E UNRESOLVED AUTOEDIT SYMBOL: "string"

**Explanation:** A variable that could not be resolved was encountered while trying to resolve AutoEdit variables in the specified string. A reference was probably made to a variable that was not previously set, and, therefore, does not exist.

To resolve AutoEdit symbols in a string, the AutoEdit resolve mechanism searches for local or AutoEdit variables with the specified name. The %%% operator must not prefix a database variable. To use the value of a database variable in AutoEdit substitution, the value must first be set to a local variable.

In this message, *string* is the problematic string.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

CTB052E EMPTY AUTOEDIT SYMBOL: "string"

**Explanation:** A %%% AutoEdit operator was specified without an attached variable name.
A `%` AutoEdit operator cannot stand alone. A variable name must be appended to the `%` operator. In this message, `string` identifies the string containing the problematic `%` operator. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

**CTB053E INVALID AUTOEDIT SYNTAX:** " `string`

**Explanation:** A syntax error was detected while trying to resolve the specified string. An invalid AutoEdit expression was specified. Control-M/Analyzer cannot continue resolving the AutoEdit symbols in the string.

In this message, `string` is the problematic string.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

**CTB054E RESOLVED AUTOEDIT STATEMENT EXCEEDS MAXIMUM LENGTH. ORIGINAL STATEMENT=**" `string`

**Explanation:** The outcome of the AutoEdit processing of the specified string results in a string that exceeds the maximum allowed length. Subsequent messages indicate the context in which the error occurred.

In this message, `string` is the problematic string.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the logical error and invoke Control-M/Analyzer again.

**CTB055E TOO MANY BLANKS TO RESOLVE IN AUTOEDIT:** " `string`

**Explanation:** An `nn` value greater than 99 was specified for the AutoEdit symbol `%BLANKnn`. Subsequent messages indicate the context in which the error occurred.

In this message, `string` is the problematic string.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

**CTB056S INTERNAL ERROR IN CTBCAE:** STRING= `string` RC= `rc`

**Explanation:** An internal error occurred while trying to resolve AutoEdit symbols in the specified string. The variables in this message are:
- `string` - the problematic string
- `rc` - the return code

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Do the following:
1. Collect any information contained in CTB200S messages that precede this message.
2. Ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB057W VALUE val OF varName DOES NOT FIT ITS FORMAT

Explanation: The format specified for variable varName in statement DO PRINT was not long enough to accommodate the value val. The value of the variable was larger than expected, or a minus sign caused the value to occupy more characters than expected.

A sequence of asterisks is printed instead of the variable's value. The number of asterisks indicates the specified format length.

Corrective Action: Check why the value of the variable did not fit within the varName variable. If necessary, lengthen the format specified for the varName variable.

CTB058E LENGTH HAS TO BE GREATER THAN PRECISION IN FORMAT OF varName

Explanation: The length specified in the format of the varName variable was less than or equal to the precision.

For numeric data, the precision field specifies the number of digits following the decimal character. If the precision is not zero, the entire figure should include the decimal character in addition to the digits that follow it. Therefore, the total length must be greater than the precision.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Either lengthen the format of the variable or decrease the precision.

CTB060E INVALID GROUP NAME IN: " dbRefStatement"

Explanation: An invalid group name was found while parsing the dbRefStatement database reference statement.

A group name must be alphanumeric, and may not exceed 20 characters. For more information, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the group name and invoke Control-M/Analyzer again.

CTB061E INVALID VARIABLE NAME IN: " dbRefStatement"

Explanation: An invalid variable name was found while parsing the dbRefStatement database reference statement.

The variable name must be alphanumeric and may not exceed 20 characters. For more information, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Correct the variable name and invoke Control-M/Analyzer again.

CTB062E INVALID GENERATION ID IN: " dbRefStatement"

Explanation: An invalid generation number was found while parsing the dbRefStatement database reference statement.
The generation number must be an integer between 0 and 999. For more information, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the generation number and invoke Control-M/Analyzer again.

CTB063E INVALID KEY VALUE IN: "dbRefStatement"

**Explanation:** An invalid key value was found while parsing the dbRefStatement database reference statement.

The key value must be alphanumeric and may not exceed 20 characters. For more information, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the key value and invoke Control-M/Analyzer again.

CTB064E INVALID RUN ID IN: "dbRefStatement"

**Explanation:** An invalid run ID was found while parsing the dbRefStatement database reference statement.

The run ID must be alphanumeric and may not exceed 20 characters. For more information, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the run ID value and invoke Control-M/Analyzer again.

CTB065E INVALID DATE IN: "dbRefStatement"

**Explanation:** An invalid date was found while parsing the dbRefStatement database reference statement.

The date must be in yymmdd format. For more information, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the date and invoke Control-M/Analyzer again.

CTB066E A CATEGORY APPEARS TWICE IN: "dbRefStatement"

**Explanation:** A duplicate category was found while parsing the dbRefStatement database reference statement.

Valid categories in a database reference statement are group, variable name, generation, date, key, and run ID. No more than one of each of these categories may be specified in a database reference statement. For more information, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the database reference statement and invoke Control-M/Analyzer again.
CTB067E INVALID PLACEMENT OF "." IN: "dbRefStatement"

**Explanation:** The period character (.) was found in an invalid location while parsing the `dbRefStatement` database reference statement.

The database reference statement can contain a period only between the group and variable name. For more information, see the *Control-M/Analyzer User Guide*.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the database reference statement and invoke Control-M/Analyzer again.

CTB068E SPECIFIED CATEGORY INVALID IN CURRENT CONTEXT.
STRING= "dbRefStatement"

**Explanation:** A category that is invalid in the current context was found while parsing the `dbRefStatement` database reference statement.

The validity of categories (components) in the database reference statement is determined by the context in which the statement is used. For example, if a database variable is assigned a value by a DO SET statement, the run ID should not be specified as part of the database reference statement because the run ID is taken from the SYSRUNID system variable. For more information, see the *Control-M/Analyzer User Guide*.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the database reference statement and invoke Control-M/Analyzer again.

CTB069E INVALID CATEGORY IDENTIFIER IN: "dbRefStatement"

**Explanation:** An invalid category identifier was found while parsing the `dbRefStatement` database reference statement.

Valid category identifiers are:
- G - Generation
- K - Key
- R - Run ID
- D - Date

Category identifiers must always be preceded by the character @. For more information, see the *Control-M/Analyzer User Guide*.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the database reference statement and invoke Control-M/Analyzer again.

CTB06AS INTERNAL ERROR. INVALID PREFIX IN: "dbRefStatement"

**Explanation:** An internal error occurred while parsing the `dbRefStatement` database reference statement.

The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB06BS INTERNAL ERROR IN CTBCNMP: STRING= "dbRefStatement" RC= rc IS INVALID
Explanation: An internal error occurred while parsing the `dbRefStatement` database reference statement.
The Control-M/Analyzer Runtime Environment terminates with an error.

Corrective Action: Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB06CE USER MODULE `modName` NOT FOUND
Explanation: Control-M/Analyzer is unable to load a user routine specified in the CALLUSER command. Before Control-M/Analyzer can call a user routine, it must first load the routine. Control-M/Analyzer terminates with a runtime error.
Corrective Action: Check that a module with the name `modName` exists in the STEPLIB library or in the LINKLIST.

CTB070E SYNTAX ERROR IN EVALUATION ROUTINE (POS n), INPUT="expression"
Explanation: Control-M/Analyzer attempted to evaluate the expression identified in the message, but the expression syntax was invalid. For a detailed description of expression syntax, see the Control-M/Analyzer User Guide. The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Correct the syntax error and invoke Control-M/Analyzer again.

CTB071E UNBALANCED PARENTHESES IN EVALUATION ROUTINE (POS n), INPUT="expression"
Explanation: While evaluating the expression identified in the message, Control-M/Analyzer encountered unbalanced parentheses. For a detailed explanation of expression syntax, see the Control-M/Analyzer User Guide. The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Correct the syntax error and invoke Control-M/Analyzer again.

CTB072E SYMBOL ERROR IN EVALUATION ROUTINE (POS n), INPUT="expression"
Explanation: An internal evaluation error occurred while evaluating the expression identified in the message. The Control-M/Analyzer Runtime Environment terminates with an error.
**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB073E TOO MANY COMMAS IN EVALUATION ROUTINE (POS n), INPUT=" expression"**

**Explanation:** The expression identified in the message contains a function call that has too many commas. This means that too many arguments are passed to the function.

Each Control-M/Analyzer function has a defined number of arguments. For a description of expression syntax and Control-M/Analyzer functions, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the syntax error and invoke Control-M/Analyzer again.

**CTB074E INVALID NUMBER OF COMMAS IN EVALUATION ROUTINE (POS n), INPUT=" expression"**

**Explanation:** The expression identified in the message contains a function call that has an invalid number of commas. This means that the number of arguments passed to the function is incorrect.

Each Control-M/Analyzer function has a defined number of arguments. For a description of expression syntax and Control-M/Analyzer functions, see the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the syntax error and invoke Control-M/Analyzer again.

**CTB075E INTERNAL ERROR IN EVALUATION ROUTINE (ERR error), INPUT=" expression"**

**Explanation:** An internal evaluation error occurred while evaluating the expression identified in the message.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB076E VARIABLE NOT FOUND IN EVALUATION ROUTINE (POS num), INPUT= expr**

**Explanation:** The variable specified in the expr expression does not exist. Control-M/Analyzer can not evaluate an expression if one of the variables it contains does not exist.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Correct the expression or create the missing variable.

**CTB077E SCAN ERROR IN EVALUATION ROUTINE (POS n), INPUT=" expr"**

**Explanation:** Control-M/Analyzer attempted to evaluate the expression identified in the message (expr), but the expression syntax was invalid.
For a detailed description of expression syntax, see the Control-M/Analyzer User Guide.
The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the syntax error and invoke Control-M/Analyzer again.

CTB078E INTERNAL ERROR IN CTBEVAL: INPUT=" expr" RC= rc IS INVALID

**Explanation:** An internal evaluation error occurred while evaluating the expression identified in the message (`expr`).

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB079E MAXIMUM VARIABLE SIZE EXCEEDED (POS n), INPUT=" expr"

**Explanation:** While evaluating the expression identified in the message (`expr`), a calculation result that exceeded the maximum size was produced.

Evaluation results are stored in a variable. The length of the evaluation results cannot exceed the maximum allowable length of the value of the variable.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

CTB07AE UNABLE TO ALLOCATE MEMORY IN EVALUATION ROUTINE (POS n), INPUT=" expr"

**Explanation:** While evaluating the expression identified in the message (`expr`), the Control-M/Analyzer Runtime Environment had insufficient memory to continue with the evaluation.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Increase the REGION size and invoke Control-M/Analyzer again. If the problem persists, notify your INCONTROL administrator.

CTB07BE VARIABLE NOT FOUND IN EVALUATION ROUTINE (POS n), INPUT=" expr"

**Explanation:** The expression identified in the message (`expr`) contains a reference to a local variable that was not previously set, or to a database variable that does not exist in the Control-M/Analyzer database. The name of the nonexisting variable appears in a preceding message.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.
CTB07CE VARIABLE NOT NUMERIC IN EVALUATION ROUTINE (POS n), INPUT="expr"

**Explanation:** The expression identified in the message (expr) contains a reference to a variable that should, but does not, contain a numeric value.

Some Control-M/Analyzer functions require that numeric arguments be supplied in predefined positions. For a description of expression syntax, see the Control-M/Analyzer User Guide. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

CTB07DE ERROR WHILE EVALUATING EXPRESSION (POS n), INPUT="expr"

**Explanation:** Control-M/Analyzer encountered an error while evaluating one of the Control-M/Analyzer functions in the expression identified in the message (expr).

Probably one of the arguments passed to the function was incorrect. For a description of expression syntax and Control-M/Analyzer functions, see the Control-M/Analyzer User Guide. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

CTB07EE DIVISION BY ZERO IDENTIFIED IN EVALUATION ROUTINE (POS n), INPUT="expr"

**Explanation:** The expression identified in the message (expr) required Control-M/Analyzer to divide by 0. The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Correct the arithmetic error and invoke Control-M/Analyzer again.

CTB07FS req IS AN INVALID REQUEST TO FUNCTION func

**Explanation:** The DBINFO or DDINFO function was called with an invalid request. For more information on the DBINFO and DDINFO functions, see the Control-M/Analyzer User Guide. The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Correct the request string.

CTB080S INTERNAL ERROR IN CTBXALC: RC= rc

**Explanation:** An internal error occurred in the CTBXALC routine. Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB081E ALLOCATION ERROR IN CTBXALC: rc errCode infoCode

**Explanation:** A problem occurred during dynamic allocation of a file.
INCONTROL for z/OS Messages Manual

The variables in this message are:
- `rc` - IBM dynamic allocation error code
- `errCode` - IBM dynamic text unit error code
- `infoCode` - IBM dynamic text unit information code

For more information on the error and information codes, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** Notify your INCONTROL administrator.

**CTB082S ALLOCATION ERROR IN CTBXALC: ABEND `abend`**

**Explanation:** The dynamic allocation program abended with the abend code `abend`.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** For information about the abend, refer to IBM message and code documentation, and correct the problem accordingly. If you need assistance, ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB083S INTERNAL ERROR IN CTBXALC: RC `rc` INVALID**

**Explanation:** An internal error occurred. The return code issued is not valid.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** Note the identity of this message and the invalid return code, and ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB084I DURING PROCESSING OF DSN= `dsn` DD= `ddName`**

**Explanation:** This information message accompanies other messages which indicate a problem. This message indicates the data set name and DD statement associated with any accompanying message.

**Corrective Action:** No action is required.

**CTB085E INVALID MEMBER NAME: `string`**

**Explanation:** The specified value is not valid for use as a member name.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** Correct the member name and rerun the rule.

**CTB090S INTERNAL ERROR IN CTBXSI0: RC= `rc`**

**Explanation:** An internal error occurred.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support.
CTB091E OPEN ERROR IN CTBXSI0

**Explanation:** Control-M/Analyzer was unable to open a sequential file. This message is accompanied by other messages which provide additional information.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** Check the accompanying messages to determine the problem. Resolve accordingly.

CTB092S PROCESSING ERROR IN CTBXSI0: ABEND abend

**Explanation:** An abend occurred while performing I/O to a sequential file.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** For information about the abend, refer to IBM message and code documentation and correct the error accordingly. If you need further assistance, ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB093S INTERNAL ERROR IN CTBXSI0: RC rc INVALID

**Explanation:** An internal error occurred. The return code issued (rc) is not valid.

Control-M/Analyzer terminates with a runtime error.

**Corrective Action:** Note the identity of this message and the invalid return code, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB094I DURING PROCESSING OF DD= ddName

**Explanation:** This information message accompanies other messages which indicate a problem. This message indicates the data set name and DD statement associated with any accompanying message.

**Corrective Action:** No action is required.

CTB095S INTERNAL ERROR err_num IN CTBXVSM: RC= rc REASON= rsn

**Explanation:** An error occurred while reading data in an ON VSAM statement.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** For the meaning of the return and reason codes, examine your IBM documentation for VSAM programming, and correct the problem accordingly.

CTB096E OPEN ERROR IN CTBXVSM: RC= rc REASON= rsn

**Explanation:** The VSAM file specified in an ON VSAM statement could not be opened.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** For the meaning of the return and reason codes, refer to your IBM documentation for VSAM programming, and correct the problem accordingly.

CTB097E FIRST KEY key1 IS GREATER THAN LAST KEY key2

**Explanation:** The first key was greater than the last key in the key range specified in statement ON VSAM.
The variables in this message are:

- **key1** - the first key in the key range
- **key2** - the last key in the range

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Correct the values specified for the FIRSTKEY and LASTKEY parameters as appropriate.

**CTB098S INTERNAL ERROR IN CTBXSPL: RC= rc**

**Explanation:** An internal error occurred while reading from the spool.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB099S INTERNAL ERROR IN CTBXSPL: RC= rc INVALID**

**Explanation:** An internal error occurred while reading from spool.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB09AI DURING PROCESSING OF PROC= proc PGM= pgm DD= ddName**

**Explanation:** This information message accompanies other error messages. This message identifies the sysout that was being processed when the error specified in any other message occurred.

**Corrective Action:** No action is required.

**CTB09BE REQUESTED SYSOUT NOT FOUND**

**Explanation:** The specified SYSOUT was not found during reading of the SYSOUT. Subsequent messages indicate the exact SYSOUT specification.

For a discussion of Control-M/Analyzer SYSOUT processing methods, see the Control-M/Analyzer chapter of the INCONTROL for z/OS Installation Guide and the Control-M/Analyzer User Guide.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Do the following:

1. Correct the error. Check the following matters:
   - The FREE parameter must be set to CLOSE in the DD statement that created the SYSOUT. If your site is a JES3 site, read the JES3 considerations in the INCONTROL for z/OS Installation Guide.
   - If ON_SYSOUT is in use, make sure that the required SYSOUT was created by the specified pgmstep or procstep. For information on the ON_SYSOUT parameter see the Control-M/Analyzer User Guide.
2. Invoke Control-M/Analyzer again.
INCONTROL for z/OS Messages Manual

CTB09CE RELEASE/NEW CLASS/NEW DEST FAILED

**Explanation:** The specified operation could not be performed. This message follows a more detailed message that identifies the problem.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Record the information in the accompanying message and consult your INCONTROL administrator.

CTB0A1S INTERNAL ERROR IN CTBCLCK: RC= rc INVALID

**Explanation:** Control-M/Analyzer Runtime environment could not lock a database variable or release a previously locked one.

A database variable is locked by the user accessing it to avoid simultaneous update by other users. Either a variable used in the rule or the whole Control-M/Analyzer database is currently in use.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Schedule the rule execution so that it does not conflict with other rules using the same database variables or with utilities using the entire database.

CTB0A5E INTERNAL ERROR IN CTBXLOG (SEE ERLG)

**Explanation:** An internal error occurred while processing the IOA log.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0A6S INTERNAL ERROR IN CTBXLOG: RC= rc INVALID

**Explanation:** An internal error occurred while processing the IOA Log File.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0A7E INTERNAL ERROR IN CTBXINI (SEE ERLG)

**Explanation:** An internal error occurred while initializing the Control-M/Analyzer environment.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0A8S INTERNAL ERROR IN CTBXINI: RC= rc INVALID

**Explanation:** An internal error occurred while initializing the Control-M/Analyzer environment.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.
CTB0A9E INTERNAL ERROR IN CTBXWTO (SEE ERLG)

**Explanation:** An internal error occurred while performing a WTO operation. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0AAS INTERNAL ERROR IN CTBXWTO: RC= rc INVALID

**Explanation:** An internal error occurred while performing a WTO operation. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0ABE INTERNAL ERROR IN CTBXINF (SEE ERLG)

**Explanation:** An internal error occurred while gathering information from the system. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0ACS INTERNAL ERROR IN CTBXINF: RC= rc INVALID

**Explanation:** An internal error occurred while gathering information from the system. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0B1S INSUFFICIENT STORAGE. INCREASE JOB/STEP REGION SIZE PARAMETER

**Explanation:** Control-M/Analyzer could not run because of insufficient storage. The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Increase the value of the REGION parameter.

CTB0B2E MEMBER NOT FOUND

**Explanation:** The requested member is not found in the library.

Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Correct the library name for the rule or AutoEdit member and rerun the rule.
CTB0B3E DSN IS NOT A LIBRARY

**Explanation:** The requested member is not a partitioned data set.

Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Correct the library name for the rule or AutoEdit member, and rerun the rule.

CTB0B4E DSN IS NOT WITH FIXED DSORG

**Explanation:** The record format of the requested data set name (DSN) is not fixed. Probably the DSN does not refer to the correct file.

Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Ensure that the DSN points to the correct file. If it is already pointing to the correct file, determine why the file does not have a fixed format.

CTB0B5E LRECL IS NOT 80

**Explanation:** The record length of the requested data set is not 80. The probable cause is that the data set name (DSN) does not refer to the correct file.

Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Ensure that the DSN points to the correct file. If it is already pointing to the correct file, determine why the file does not have a record length of 80.

CTB0B6E DSN IS IN USE

**Explanation:** The data set is held exclusively by another user.

Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Try again.
CTB0B7S INTERNAL ERROR IN CTBXMEM

**Explanation:** A Control-M/Analyzer internal error occurred while trying to read a member from a library. Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Look for additional messages on the IOA Log that may clarify the situation. You or your INCONTROL administrator should refer to IBM message and code documentation for information about the abend, and make corrections accordingly. In any case, your INCONTROL administrator should contact BMC Software Customer Support.

CTB0B8E DSN IS NOT CATALOGED

**Explanation:** The requested data set name (DSN) is not in the catalog. Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Ensure that the DSN is cataloged. Rerun the rule.

CTB0B9E DYNAMIC ALLOCATION FAILED

**Explanation:** Dynamic allocation for the requested data set name (DSN) failed. Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing and Control-M/Analyzer terminates.

**Corrective Action:** Ask your INCONTROL Administrator to contact BMC Software Customer Support.

CTB0BAS INVALID REQUEST IN CTBXMEM

**Explanation:** Internal error while trying to read a member from a library. Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Ask your INCONTROL Administrator to contact BMC Software Customer Support.
CTB0BBE TOO MANY LINES TO READ

**Explanation:** There is insufficient storage to read a large member from the library.

Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Increase the REGION size or logon size, and try again.

CTB0BCS ERROR WHILE PROCESSING DIRECTORY

**Explanation:** A Control-M/Analyzer internal error occurred while trying to read a directory of a library. This message can appear under the Control-M/Analyzer Online Facility.

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Ask your INCONTROL Administrator to contact BMC Software Customer Support.

CTB0BDS ABEND OCCURRED IN CTBXMEM

**Explanation:** A Control-M/Analyzer internal error occurred while trying to read a member from a library.

Possible causes are:

- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Ask your INCONTROL Administrator to contact BMC Software Customer Support.

CTB0BEE MEMBER TO SAVE CANNOT BE FOUND

**Explanation:** You are trying to save an AutoEdit member which does not exist.

The AutoEdit member is not saved.

**Corrective Action:** Create the member.

CTB0BFE MEMBER ALREADY EXISTS

**Explanation:** You are trying to create an AutoEdit member which already exists.

The AutoEdit member is not created.

**Corrective Action:** Save the member.

CTB0C0S INTERNAL ERROR - INVALID TYPE IN CTBXMEM

**Explanation:** The record format of the library to be opened differs from the requested format.

Possible causes are:
- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Notify your INCONTROL administrator.

**CTB0C1S** INTERNAL ERROR IN CTBXMEM: RC rc

**Explanation:** Internal error while trying to read a member from a library.
Possible causes are:
- Control-M/Analyzer failed to read a rule
- the AutoEdit Facility failed to read an AutoEdit Symbols member

Rule processing stops and Control-M/Analyzer terminates.

**Corrective Action:** Ask your INCONTROL Administrator to contact BMC Software Customer Support.

**CTB0C2I** DURING PROCESSING OF DSN(memName), DD= ddName

**Explanation:** This information message accompanies other messages which indicate the problem.
The variables in this message are:
- memName - the name of the problematic data set
- ddName - the name of the problematic DD statement

**Corrective Action:** No action is required.

**CTB0D0E** INPUT TOO LONG FOR CTBCWRD. INPUT="string"

**Explanation:** An internal error occurred while trying to parse the string (string) identified in the message.
The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB0D1E** A WORD PARSED BY CTBCWRD EXCEEDS THE MAXIMUM ALLOWABLE LENGTH. INPUT="string"

**Explanation:** An internal error occurred while trying to parse the string (string) identified in the message. One of the resulting words was longer then the maximum allowable word length.
The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

**CTB0D2E** TOO MANY WORDS FOR CTBCWRD. INPUT="string"

**Explanation:** Control-M/Analyzer found too many arguments while parsing the argument list of a DO BLOCK, DO CALLUSER or DO RULE statement.
A maximum of 50 arguments can be passed in a DO BLOCK, DO CALLUSER or DO RULE argument list. The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Correct the error and invoke Control-M/Analyzer again.

CTB0D3S INTERNAL ERROR IN CTBCWRD: RC= rc INVALID

**Explanation:** An internal error occurred while parsing a string.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0D8S PROBLEM DURING DB2 CONNECT. SUBSYSTEM ID = id

**Explanation:** The DB2 subsystem could not be connected.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Consult your DB2 administrator.

CTB0D9S PROBLEM DURING DB2 OPEN THREAD. SUBSYSTEM ID= id

**Explanation:** The DB2 subsystem could not be opened.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Consult your DB2 administrator.

CTB0DAW SQL WARNING. CODE= warningCode. SUBSYSTEM ID= id

**Explanation:** DB2 issued a warning code.

For the explanation of the warning code, refer to DB2 literature.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Try to correct the error on the information provided by the warning code and the DB2 literature. If necessary, consult your DB2 administrator.

CTB0DBE SQL ERROR, CODE= error, SUBSYSTEM ID= id

**Explanation:** DB2 issued a SQL error code.

For the explanation of the warning code, refer to DB2 literature.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Try to correct the error on the information provided by the warning code and the DB2 literature. If necessary, consult your DB2 administrator.

CTB0DCE NO VALID COLUMNS FOUND, SUBSYSTEM ID= id (rc=12)

**Explanation:** None of the arguments specified by the user in the SQL SELECT statement refer to a valid column in one of the selected DB2 tables.

The Control-M/Analyzer runtime environment terminates with an error.
Corrective Action: Include at least one column name belonging to one of the selected DB2 tables in the SQL statement in your rule.

CTB0DDE INVALID COLUMN TYPE. ERROR IN DB2 DATABASE SUBSYSTEM ID= id (rc=20)

Explanation: One of the columns specified in the SQL statement has an unrecognized column type as defined in the DB2 catalog.

Possible causes are:
- a DB2 catalog error
- a new version of DB2 that introduces new column types

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Do the following:
1. Make a list of the DB2 table names of the selected tables in the rule.
2. Have your DB2 database administrator generate a list of the columns and column types of these tables from the DB2 catalog.
3. Contact your INCONTROL administrator and provide this information.

CTB0DES PROBLEM DURING DB2 CLOSE THREAD, REASON CODE= rsn SUBSYSTEM ID= subId

Explanation: The DB2 CLOSE THREAD call did not succeed. The DB2 CONNECT, OPEN THREAD and SQL calls succeeded, but the CLOSE THREAD call did not. This indicates either a change in the availability of the DB2 subsystem or an internal error.

Possible causes are:
- the DB2 subsystem identified in the message is currently inactive
- an internal error in DB2

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Have your DB2 database administrator check the status of the DB2 subsystem identified in the message, and the status of the open threads under it. If necessary, close the thread for CTBDB2 manually.

CTB0DFS PROBLEM DURING DB2 DISCONNECT, REASON CODE= rsn SUBSYSTEM ID= subId

Explanation: The DB2 DISCONNECT call did not succeed.

Possible causes are:
- the DB2 subsystem identified in the message is currently inactive
- an internal error in DB2

The Control-M/Analyzer runtime environment terminates with an error.
Corrective Action: Have your DB2 database administrator verify that the DB2 subsystem identified in the message is active.

CTB0E0S INTERNAL ERROR IN CTBXCDM: RC= rc
Corrective Action: Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0E1S INTERNAL ERROR IN CTBXCDM: RC= rc INVALID
Corrective Action: Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0E2I DURING PROCESSING OF CDAM-CRT= cdam_crit
Explanation: This information message accompanies other error messages. In this message cdam_crit identifies the CDAM criteria that were being processed when the error specified in any other message occurred.
Corrective Action: No action is required.

CTB0E3E REQUESTED CDAM FILE NOT FOUND
Explanation: The requested CDAM file was not found. The error occurred while attempting to read the requested CDAM file. Subsequent messages indicate the CDAM criteria that were being used when the error occurred. The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Correct the errors and invoke Control-M/Analyzer again.

CTB0E7S INTERNAL ERROR IN CTBXCKP: OPT= option RC= rc
Explanation: An internal error occurred while Control-M/Analyzer was accessing the Rule Activity File. The variables in this message are:
- option - the type of operation being performed when the error occurred
- rc - the return code
The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Contact your INCONTROL administrator.

CTB0EAS INTERNAL ERROR IN CTBXREP: OPT= option RC= rc
Explanation: An internal error occurred while Control-M/Analyzer was accessing the Report file.
The variables in this message are:

- \textit{option} - the type of operation being performed when the error occurred
- \textit{rc} - the return code

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Contact your INCONTROL administrator.

\textbf{CTB0EBS REPORT FILE IS FULL. PLEASE RUN UTILITY CTBJ AFDL}

\textbf{Explanation:} Reports cannot be written to the Control-M/Analyzer report file because the file has become full.

The Control-M/Analyzer Runtime Environment continues executing, but a report for the current Control-M/Analyzer invocation is not created.

**Corrective Action:** Contact your INCONTROL administrator.

BMC Software recommends that you run the CTBJ AF DL Control-M/Analyzer utility periodically, to erase unneeded reports in the report file. For more information about this utility, see the \textit{INCONTROL for z/OS Utilities Guide}.

\textbf{CTB0EDS INTERNAL ERROR IN CTBXGRP: OPT= option RC= rc}

\textbf{Explanation:} An internal error occurred while Control-M/Analyzer was accessing the Group file. The error occurred while performing an operation of type \textit{option}.

The Control-M/Analyzer Runtime Environment terminates with an error.

**Corrective Action:** Contact your INCONTROL administrator.

\textbf{CTB0F0W CONDITION TO ADD ALREADY EXISTS: COND= cond ODATE= odate}

\textbf{Explanation:} This warning indicates that a condition \textit{cond} already exists in the IOA Conditions file. It does not usually indicate a problem.

The SYSRC system variable is set to 4 and processing continues.

The condition is not added to the IOA Conditions file.

**Corrective Action:** No action is required.

\textbf{CTB0F1W CONDITION TO DELETE DOES NOT EXIST. COND= cond ODATE = date}

\textbf{Explanation:} This message indicates that the \textit{cond} condition cannot be deleted because it does not currently exist in the IOA Conditions file. The \textit{cond} condition was previously deleted or never created.

The condition is not deleted again.

**Corrective Action:** No action is required.
CTB0F5S INTERNAL ERROR IN CTBXABF: OPT= option RC= rc

Explanation: An internal error occurred while Control-M/Analyzer was accessing the Active Balancing file, during an operation of type option.
The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Contact your INCONTROL administrator.

CTB0F6S ACTIVE BALANCING FILE IS FULL. USE CTBFRM TO COMPRESS IT

Explanation: The Control-M/Analyzer Active Balancing file is full and needs to be compressed. It is not possible to order Control-M/Analyzer missions into the file, or run unscheduled Control-M/Analyzer invocations that also need to add an entry to this file.
The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Contact your INCONTROL administrator.
Run the CTBFRM Control-M/Analyzer utility once a day to compress the Active Balancing file. If the Active Balancing file needs to be compressed more than once a day, it is advisable to enlarge the size of the file.

CTB0F7S INTERNAL ERROR IN SYSDATA: RC= rc

Explanation: An internal error occurred while Control-M/Analyzer was reading a Control-M SYSDATA data set.
The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0F8S INTERNAL ERROR IN SYSDATA: RC= rc INVALID

Explanation: An internal error occurred while Control-M/Analyzer was reading a Control-M SYSDATA data set.
The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Collect any information contained in CTB200S messages that precede this message, and ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB0F9I DURING PROCESSING OF SYSDATA

Explanation: This information message follows a more detailed message issued when a problem occurs using ON SYSDATA.
Corrective Action: No action is required.

CTB0FAE REQUESTED SYSDATA FILE NOT FOUND

Explanation: Control-M/Analyzer could not find the requested Control-M/Analyzer SYSDATA data set.
The error occurred during an attempt to read the SYSDATA data set of the current job. Either Control-M or Control-M/Restart was not installed or ARCHIVE was not set to Y in the scheduling table.
The Control-M/Analyzer Runtime Environment terminates with an error.
Corrective Action: Correct the error and invoke Control-M/Analyzer again.

Messages CTB100 through CTB1xx
This group includes messages for the Control-M/Analyzer product.

CTB101E LINE lineNum. KEYWORD " keywd" IS REQUIRED
Explanation: During rule compilation or runtime an expected key word was missing in the specified line. Relevant text appears in an accompanying message.

The variables in this message are:
- lineNum - has one of the following meanings:
  - If the error occurred during rule compilation, lineNum identifies the line from which keywd was missing.
  - If the error occurred during runtime, lineNum identifies the line in the DD name file referenced by the MSUBSTMASK function from which keywd was missing.
- keywd - the missing key word

The system action depends on the point at which the error occurs, as follows:
- If the error occurs during rule compilation, the compiler continues processing at the next block, but issues syntax error messages when it ends.
- If the error occurs during runtime execution, Control-M/Analyzer stops executing and issues an error message.

Corrective Action: Correct all errors in the rule, or in the DD name referenced by MSUBSTMASK, and recompile.

CTB102E LINE lin. KEYWORD " keywd" MUST APPEAR ONCE AND ONLY ONCE IN THIS STATEMENT
Explanation: During rule compilation the keyword keywd was expected to appear once in the line lin. The keyword either was not found or was found more than once in the statement. Relevant text appears in an accompanying message.

The compiler continues processing the next block but terminates with syntax errors.

Corrective Action: Correct the errors in the rule member and recompile the rule.

CTB103E LINE lin. KEYWORD " keywd" CAN APPEAR ONLY ONCE IN THIS STATEMENT
Explanation: A syntax error was detected during rule compilation. Relevant text appears in an accompanying message. The keyword keywd was expected to appear once in the lin line, but was found more than once in the statement.

The compiler continues processing the next block but will terminate with syntax errors.

Corrective Action: Correct any errors in the rule member and recompile the rule.
INCONTROL for z/OS Messages Manual

CTB104E NUMERIC VALUE EXPECTED

**Explanation:** A syntax error was detected during rule compilation. Relevant text appears in an accompanying message. The parameter value should be, but is not, numeric.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB105E EXPECTED PARAMETER MISSING IN LINE *lin*

**Explanation:** During rule compilation, a required parameter value was missing from the *lin* line. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB106E PARAMETER STARTING ON LINE *lin* IS TOO LONG

**Explanation:** During rule compilation, the length of a parameter that starts on the *lin* line exceeded the maximum length for this parameter. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB107E KEYWORD "*keyName1*" CANNOT FOLLOW "*keyName2*"

**Explanation:** During rule compilation, *keyName1* incorrectly follows *keyName2*. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB108E KEYWORD EXPECTED IN LINE: *lin* BEFORE "*string*"

**Explanation:** During rule compilation, a keyword was expected in the *lin* line before the *string* string, but the keyword was missing from the *lin* line. The probable cause is misspelling of a keyword. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB109I COMPILATION STARTED

**Explanation:** This information message indicates that the compiler has started compiling a rule.

**Corrective Action:** No action is required.

CTB110I COMPILATION COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that a rule was compiled without any errors. Warnings may have been issued.
Corrective Action: No action is required.

CTB111I HIGHEST ERROR CODE WAS code

Explanation: This information message indicates the highest error code issued during a rule compilation. The error code is 0 if the rule compiled without warnings. The error code is nonzero if warnings were issued or errors were detected.

Corrective Action: No action is required.

CTB112E STATEMENT line: IS INVALID IN THIS CONTEXT

Explanation: During rule compilation, the statement line was incorrect. Relevant text appears in an accompanying message. The compiler continues processing the next block but will terminate with syntax errors.

Corrective Action: Correct the errors in the rule member and recompile the rule.

CTB113I SKIPPING TO NEXT BLOCK

Explanation: This information message indicates that the compiler found a syntax error in the current block and is skipping to the next block before continuing with syntax checking.

Corrective Action: No action is required.

CTB114E MEMORY ALLOCATION FAILED

Explanation: Control-M/Analyzer could not allocate sufficient memory to compile a rule. Compilation is terminated immediately.

Corrective Action: Increase the REGION size of the job or the TSO session. If this does not help, ask your INCONTROL Administrator to contact BMC Software Customer Support.

CTB115E DUPLICATE BLOCK NAME blk AT LINE lin

Explanation: During rule compilation, a duplicate block name was found at the line indicated in the message. Block names within a rule must be unique. Relevant text appears in an accompanying message.

The variables in this message are:
- blk - the duplicate block name
- lin - the line in which the duplicate block name was found

The compiler continues processing the next block, but will terminate with syntax errors.

Corrective Action: Do the following:
1. Rename one of the blocks.
2. Correct any other errors in the rule member,
3. Recompile the rule.
CTB116E DUPLICATE LABEL \textit{label} BEFORE LINE \textit{lin}

\textbf{Explanation:} During rule compilation, a duplicate label name was found in the line indicated in the message. Label names within a rule must be unique. Relevant text appears in an accompanying message.

The variables in this message are:

- \textit{label} - the duplicate label name
- \textit{lin} - the line in which the duplicate label name was found

The compiler continues processing the next block but will terminate with syntax errors.

\textbf{Corrective Action:} Do the following:

1. Rename one of the labels.
2. Correct any other errors in the rule member.
3. Recompile the rule.

CTB117E UNRESOLVED REFERENCE FOR \textit{label} IN OR BEFORE LINE \textit{lin}

\textbf{Explanation:} During rule compilation, a DO GOTO statement references an undefined label or a DO BLOCK statement references a block that does not exist. Relevant text appears in an accompanying message.

The variables in this message are:

- \textit{label} - the problematic label or block
- \textit{lin} - the line in or before which either the problematic label was found, or in or before which the problematic block was found not to exist

The compiler terminates with syntax errors.

\textbf{Corrective Action:} Correct errors in the rule member. Recompile the rule.

CTB118E THE MAXIMUM OF \textit{num} "DO GOTO" STATEMENTS PER RULE HAS BEEN EXCEEDED

\textbf{Explanation:} During rule compilation, the maximum number of DO GOTO statements for a rule was exceeded. Relevant text appears in an accompanying message.

In this message, \textit{num} is the maximum number of DO GOTO statements for a rule.

The compiler terminates with syntax errors.

\textbf{Corrective Action:} Do the following:

1. Either reduce the number of DO GOTO statements in the rule, or split the rule into multiple rules.
2. Correct any other errors in the rule member.
3. Recompile the rule.
CTB119E THE MAXIMUM OF \textit{num} "DO BLOCK" STATEMENTS PER RULE HAS BEEN EXCEEDED

\textbf{Explanation:} During rule compilation, the indicated maximum number of DO BLOCK statements for a rule was exceeded. Relevant text appears in an accompanying message.

In this message, \textit{num} is the maximum number of DO BLOCK statements for a rule.

The compiler terminates with syntax errors.

\textbf{Corrective Action:} Do the following:

1. Either reduce number of DO BLOCK statements in the rule, or split the rule into multiple rules.
2. Correct any other errors in the rule member.
3. Recompile the rule.

CTB120E LABEL \textit{label} MUST OCCUR WITHIN THE SAME BLOCK AS THE REFERENCE TO IT

\textbf{Explanation:} During rule compilation, a DO GOTO statement referenced a label outside the block in which it occurs. A DO GOTO statement can only reference labels within the same block. Relevant text appears in an accompanying message.

In this message, \textit{label} identifies the problematic label.

The compiler continues processing the next block, but terminates with syntax errors.

\textbf{Corrective Action:} Correct the errors in the rule member and recompile the rule.

CTB121E MAXIMUM LENGTH OF THE PARAMETER OF KEYWORD \textit{keyName} IS \textit{num}

\textbf{Explanation:} During rule compilation, the value specified for the \textit{keyName} keyword exceeded the indicated maximum length. Relevant text appears in an accompanying message.

The compiler continues processing the next block, but terminates with syntax errors.

\textbf{Corrective Action:} Correct the errors in the rule member and recompile the rule.

CTB122W WARNING: RECURSIVE CALL TO BLOCK: "\textit{blk}" IN OR BEFORE LINE \textit{lin}

\textbf{Explanation:} The rule being compiled has a block that calls itself. This is a warning, that there might be a problem.

The variables in this message are:

- \textit{blk} - the problematic block
- \textit{lin} - the line in or before which block appears

\textbf{Corrective Action:} Check the rule to verify that it does what you intend it to do.
CTB123E UNEXPECTED END OF SOURCE AFTER LINE lin

**Explanation:** During rule compilation, there was an unfinished command at the end of the source member, or the source did not contain any blocks. Relevant text appears in an accompanying message. The compiler terminates with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB124E SYNTAX ERROR ENCONTERED IN LINE lin

**Explanation:** A syntax error occurred during rule compilation or runtime. In this message, the variable lin has two possible meanings:

- During rule compilation, lin identifies the line in the rule in which the error occurs.
- During runtime, lin identifies the line in the DD name referenced by the MSUBSTMASK function in which the error occurs.

The system action varies according to the stage at which the error occurs, as follows:

- If the error occurs during rule compilation, the compiler continues compiling at the next block, but issues syntax errors when it ends.
- If the error occurs during runtime execution, Control-M/Analyzer stops executing and issues an error.

**Corrective Action:** Correct all errors in the rule, or in the DD name referenced by MSUBSTMASK, and recompile.

CTB125E NO BLANK CHARACTERS ALLOWED IN PARAMETER: " parm"

**Explanation:** During rule compilation, the parm parameter contained embedded blanks. Embedded blanks are not permitted in this parameter. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB126E FIRST CHARACTER MUST BE ALPHABETIC. SYNTAX ERROR IN LINE lin

**Explanation:** During rule compilation, the first character of the parameter in the lin line should be, but was not, alphabetic. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB127E CHARACTERS MUST BE ALPHANUMERIC. SYNTAX ERROR IN LINE lin

**Explanation:** During rule compilation, a non-alphanumeric character was found in the parameter in the lin line. The parameter must be alphanumeric. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.
Corrective Action: Correct the errors in the rule member and recompile the rule.

CTB128I SRC: " lirt"
Explanation: This information message prints rule source lines that are rejected by the compiler. This message accompanies compilation error messages.
Corrective Action: No action is required.

CTB129I SRC: " lirt"
Explanation: This information message prints rule source lines that are rejected by the final syntax checker.
Corrective Action: No action is required.

CTB129W EXIT exitName WAS NOT LOADED
Explanation: Control-M failed to load the exitName user exit. Common reasons for failure are:
- The IOA Load library is in the Linklist, and someone has updated the library without performing a refresh for the LLA.
- The last assembly or linkage of the exit failed.
- There is insufficient memory to load the new exit.
Control-M will continue to run, bypassing the exit.
Corrective Action: Check the computer Log for the cause of the failure.

CTB130I INTERNAL ERROR. SHOW THE FOLLOWING INFORMATION TO YOUR LOCAL IOA REPRESENTATIVE.
Explanation: This message indicates that a Control-M/Analyzer internal error occurred.
The rule is not saved.
Corrective Action: Do the following:
1. Perform a screen print of the information shown.
2. Ask your IOA administrator to report the information to BMC Software Customer Support.
3. Press PF03/PF15(END) to return to the editing screen.
4. Change the rule so that it can be saved.

CTB131I ADDR: info
Explanation: This information message accompanies the CTB130I message.
Corrective Action: Ask your INCONTROL administrator to report the information in this message to BMC Software Customer Support.
CTB132E ERR: *asterisks*

**Explanation:** This information message accompanies the message containing the text of the line in error. This message places an asterisk directly under the error in the text line.

**Corrective Action:** No action is required.

CTB133E NUMERIC VALUE MUST BE LESS THAN 256

**Explanation:** During rule compilation, the numeric value indicated in the accompanying message must be less than 256. Relevant text appears in an accompanying message.

The compiler continues processing the next block, but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB134E NUMERIC VALUE MUST BE LESS THAN 4000

**Explanation:** During rule compilation, the numeric value indicated in the accompanying message should be, but is not, less than 4000. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB135E VALID VALUES FOR URGENCY ARE R, U AND V

**Explanation:** During rule compilation, the value of the URGENCY parameter in the SHOUT statement was found to be invalid.

Valid values for the URGENCY parameter are:

- R - Regular
- U - Urgent
- V - Very Urgent

Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB136E ABSOLUTE COLUMN NUMBER MUST BE NONZERO

**Explanation:** During rule compilation, the value zero was specified for a column number. Column number values are absolute and must be greater than zero. Relevant text appears in an accompanying message.

The compiler continues processing the next block but will terminate with syntax errors.

**Corrective Action:** Correct the errors in the rule member and recompile the rule.

CTB137E LINE NUMBER MUST BE RELATIVE

**Explanation:** During rule compilation, a non-relative line number was specified. Relevant text appears in an accompanying message.
A line number must be relative, and must start with plus (+) or minus (-).
The compiler continues processing the next block but will terminate with syntax errors.
Corrective Action: Correct the errors in the rule member and recompile the rule.

CTB138E SUBSYSTEM ID MUST BE ALPHANUMERIC, @, $, OR #. FIRST CHARACTER MUST NOT BE A DIGIT
Explanation: The subsystem ID contains invalid characters.
The Control-M/Analyzer runtime environment terminates with an error.
Corrective Action: Correct the specification of the subsystem ID.

CTB139E VALID VALUES FOR THIS FIELD ARE Y AND N
Explanation: The value of the field in error was neither Y nor N. This field must contain Y for choosing a certain feature or N (or blank) for not choosing it.
The Control-M/Analyzer runtime environment terminates with an error.
Corrective Action: Specify Y or N in the field, or leave it blank.

CTB13AE NUMERIC VALUE MUST NOT EXCEED 100
Explanation: The specified value exceeded 100. The value specified in the field in error cannot exceed 100.
The Control-M/Analyzer runtime environment terminates with an error.
Corrective Action: Specify a value of 100 or less.

CTB13BE NUMERIC VALUE MUST BE POSITIVE
Explanation: The specified value was zero. The value specified in the field in error cannot be zero.
The Control-M/Analyzer runtime environment terminates with an error.
Corrective Action: Specify a positive number for the value.

CTB13CE VALID VALUES FOR DATASTAMP ARE 1, 2, AND BLANK
Explanation: The DATASTAMP parameter contained an invalid value. Valid values for the DATASTAMP parameter are blank, 1 and 2, depending on whether or not a data stamp should be calculated and on the calculation technique that should be used.
The Control-M/Analyzer runtime environment terminates with an error.
Corrective Action: Assign a valid value to the DATASTAMP parameter.

CTB13DE VSAM FILE TYPE MAY BE KSDS, RRDS OR ESDS
Explanation: The VSAM file type specified in statement ON VSAM was invalid.
The TYPE parameter in an ON VSAM statement specifies the VSAM file type. Valid values are:
Messages CTB200 through CTB2xx

This group includes messages for the Control-M/Analyzer product.

CTB200S ERLG AT loc (HEX- xxxx) INFO= nn

**Explanation:** The general system Error Logger detected an error which occurred at a certain location. This message is issued when rare or unexpected errors occur.

The variables in this message are:

- **loc** - the location within the Control-M/Analyzer runtime environment where the error occurred
- **xxxx** - the hexadecimal equivalent of loc
- **nn** - a number used for tracing the error

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Record the content of this message and consult your INCONTROL administrator.

CTB201S ERLG AT name LINE lin, INFO= nnn

**Explanation:** The general system Error Logger detected an error which occurred at the location indicated in the message (name and line). This message is issued when rare or unexpected errors occur.

The variables in this message are:

- **name** - the location in the Control-M/Analyzer runtime environment where the error occurred
- **lin** - the line in the Control-M/Analyzer runtime environment where the error occurred
- **nn** - a number used for tracing the error

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Record the content of this message and consult your INCONTROL administrator.

CTB210E VARIABLE NAME varName TOO LONG (num CHARACTERS).
MAXIMUM: maxNum CHARACTERS

**Explanation:** The resolved length of the variable name exceeds the maximum valid length. The variable name was specified using AutoEdit symbols.

The variables in this message are:
varName - the first twenty characters of the resolved variable name
num - the length of the resolved variable name
maxNum - the maximum valid length of the resolved variable name

Corrective Action: Correct the problem and rerun the rule.

CTB211E LIBRARY NAME lib TOO LONG (num CHARACTERS). MAXIMUM: maxNum CHARACTERS

Explanation: The resolved length of the library name exceeds the maximum valid length. The library name was specified using AutoEdit symbols in a DO GETMEM, PUTSYM, or ADDSYM statement.

The variables in this message are:
- lib - the first 44 characters of the resolved library name
- num - the length of the resolved library name
- maxNum - the maximum valid length of the resolved library name

Corrective Action: Correct the problem and rerun the rule.

CTB212E MEMBER NAME memName TOO LONG (num CHARACTERS). MAXIMUM: maxNum CHARACTERS

Explanation: The resolved length of the member name exceeds the maximum valid length. The member name was specified using AutoEdit symbols in a DO GETMEM, PUTSYM, or ADDSYM statement.

The variables in this message are:
- memName - the first eight characters of the resolved member name
- num - the length of the resolved member name
- maxNum - the maximum length of the resolved member name

Corrective Action: Correct the problem and rerun the rule.

CTB214E VALUE val for VARIABLE varName TOO LONG (num CHARACTERS). MAXIMUM: maxNum CHARACTERS

Explanation: The resolved length of the variable exceeds the maximum valid length. The variable was specified using AutoEdit symbols in a DO SET or EXTRACT statement.

The variables in this message are:
varName - the first 100 characters of the resolved variable name  
num - the length of the resolved variable name  
maxNum - the maximum valid length of the resolved variable name

Control-M/Analyzer terminates.  
**Corrective Action:** Correct the problem and rerun the rule.

CTB215I AUTOEDIT MEMBER *lib(memName)* WAS READ BUT NOT WRITTEN  
**Explanation:** This information message indicates that a DO GETMEM statement, but not a DO PUTMEM statement, was requested and performed for an AutoEdit member. This could, but does not necessarily, indicate a problem.  
**Corrective Action:** If this is not what you intended correct the rule.

CTB216I RUN-TIME ERROR OCCURRED. VARIABLES NOT COMMITTED FOR RULE *rule_name*  
**Explanation:** This information message indicates that, because Control-M/Analyzer encountered an error during rule processing, variables not explicitly committed by a DO COMMIT NOW statement will not be committed.  
This message follows other messages that describe the error.  
Control-M/Analyzer terminates. Variables not explicitly committed by statement DO COMMIT NOW are not committed.  
**Corrective Action:** Using the information provided in the other messages, correct the problem and rerun the rule.

CTB217E VARIABLE NAME CANNOT CONTAIN BLANKS. VARIABLE="*varName*"  
**Explanation:** The resolved variable name contains embedded blanks. The variable name was specified using AutoEdit symbols. Its resolved value should not, but does, contain embedded blanks.  
In this message, *varName* is the first 20 characters of the problematic variable name.  
Control-M/Analyzer terminates.  
**Corrective Action:** Correct the problem and rerun the rule.

CTB218E VARIABLE "*varName*" IN DO RULE/BLOCK/CALLUSER NOT INITIALIZED  
**Explanation:** An attempt was made to pass a variable to a rule, block or user routine without previously initializing the variable.
The variable name may be incorrectly specified in the DO RULE, BLOCK, or CALLUSER statement and the intended variable name was used. Before a variable can be passed to another rule, block, or user routine, or used in a DO RULE, BLOCK, or CALLUSER statement, the variable must be used at least once in the rule.

Control-M/Analyzer terminates.

**Corrective Action:** Correct the variable name if it is in error. Ensure that the variable name is initialized, that is, specified in a DO SET statement, prior to its usage in a DO RULE or BLOCK or CALLUSER statement.

**CTB219E VALUE IS NOT NUMERIC: val**

**Explanation:** A value extracted by a DO EXTRACT statement for averaging or summing is not numeric. The extracted value must be numeric. This message is accompanied by either the CTB220E message or the CTB221E message.

Control-M/Analyzer terminates.

**Corrective Action:** Correct the problem and rerun the rule.

**CTB220E WHILE AVERAGING VARIABLE varName**

**Explanation:** This message accompanies the CTB219E message and indicates precisely which operation was being attempted when the error occurred.

Control-M/Analyzer terminates.

**Corrective Action:** Correct the problem and rerun the rule.

**CTB221E WHILE SUMMING VARIABLE varName**

**Explanation:** This message accompanies the CTB219E message and indicates precisely which operation was attempted when the error occurred.

Control-M/Analyzer terminates.

**Corrective Action:** Correct the problem and rerun the rule.

**CTB222E ERROR WHILE PROCESSING VALUE: val. PROCESS: procName**

**Explanation:** The requested process cannot be applied to the value obtained by the DO EXTRACT statement.

The variables in this message are:

- **val** - the value obtained by the DO EXTRACT statement
- **procName** - the process that was requested, but that cannot be applied to **val**

For information about permitted processes and valid input for processes, see the *Control-M/Analyzer User Guide*.

Control-M/Analyzer terminates.

**Corrective Action:** Correct the problem and rerun the rule.
CTB223E AUTOMATIC CREATION OF DATABASE VARIABLES IS NOT ENABLED. CHANGE VARCRET TO "Y" IN CTBPARM

Explanation: An attempt was made to use a database variable not previously defined in the database. Control-M/Analyzer allows you to automatically create new database variables only if the VARCRET parameter in the CTBPARM member is set to Y.

Corrective Action: If the variable name was specified incorrectly, correct it and rerun the rule. To create a new database variable, set the VARCRET parameter in the CTBPARM member to Y and rerun the rule.

CTB224E NUMBER OF GENERATIONS FOR SYSDBVGENS SYSTEM VARIABLE IS TOO HIGH: num. MAXIMUM IS 1000

Explanation: An attempt was made to set the SYSDBVGENS parameter to a value higher than the maximum allowed. The SYSDBVGENS parameter determines the number of generations of automatically generated database variables. The maximum number allowed is 1000.

Corrective Action: Correct the problem and rerun the rule.

CTB225E INVALID NUMBER OF GENERATIONS FOR SYSDBVGENS SYSTEM VARIABLE: num

Explanation: An attempt was made to set the value of the SYSDBVGENS parameter to a nonnumeric value.

The SYSDBVGENS parameter is used to determine the number of generations of automatically generated database variables. Its value must be numeric.

Corrective Action: Correct the problem and rerun the rule.

CTB226S INTERNAL ERROR IN CTBVARS: RC= rc INVALID

Explanation: An internal error occurred while processing variables.

Corrective Action: Ask your INCONTROL administrator to call BMC Software Customer Support.

CTB227E PROCESS procName HAS INVALID LENGTH (invalidNum). LENGTH SHOULD BE validNum

Explanation: The input variable is not the correct length for the selected DO EXTRACT statement process.

The following DO EXTRACT statement processes require variables with the lengths indicated:
BBINF - variable length 4
BBINH - variable length 2
BBINC - variable length 1

Control-M/Analyzer terminates.

**Corrective Action:** Correct the problem and rerun the rule.

CTB229E UNKNOWN [BUILT-IN] PROCESS *procName*

**Explanation:** The requested process is unknown to Control-M/Analyzer. The process name was incorrectly specified. The type descriptor BUILT-IN appears in the message only if the process is a BUILT-IN process.

Control-M/Analyzer terminates.

**Corrective Action:** Correct the process name and rerun the rule.

CTB22AE AUTOMATIC CREATION OF DATABASE VARIABLES IS ALLOWED ONLY FOR THE CURRENT GROUP

**Explanation:** An attempt was made to use a database variable that was one of the following:
- not previously defined in the database
- assigned to a group that is not the current group

Control-M/Analyzer allows you to automatically create new database variables within the group of the current rule if the VARCRET parameter in the CTBPARM member is set to Y.

Control-M/Analyzer terminates.

**Corrective Action:** If the variable was specified incorrectly, correct it and rerun the rule. Otherwise, predefine the variable and rerun the rule.

CTB22BE ACCESS TO VARIABLE DATABASE DENIED. OPERATION= *opn*

**Explanation:** The Control-M/Analyzer security interface does not permit you to perform the requested operation (*opn*) on the Control-M/Analyzer database.

Control-M/Analyzer terminates.

**Corrective Action:** If you think you should be authorized to perform the requested operation, contact your security administrator.

CTB22CE YOU ARE NOT AUTHORIZED TO USE THIS GROUP. GROUP= *grp*

**Explanation:** The Control-M/Analyzer security interface does not permit you to use the *grp* group.

Control-M/Analyzer terminates.

**Corrective Action:** If you think you should be authorized to use the specified group, contact your security administrator.
CTB22DE VALUE \textit{val} IS ILLEGAL FOR SYSTEM VARIABLE \textit{varName}

\textbf{Explanation:} An invalid value (\textit{val}) was assigned to the \textit{varName} system variable. The \textit{varName} system variable can have only certain values.

The Control-M/Analyzer runtime environment terminates with an error.

\textbf{Corrective Action:} Consult the Control-M/Analyzer User Guide for information about the \textit{varName} system variable.

CTB22EE VARIABLE \textit{varName} IS NOT ALLOWED AS A DO RULE/BLOCK/CALLUSER ARGUMENT BECAUSE OF ITS TYPE

\textbf{Explanation:} The AutoEdit variable or System variable \textit{varName} was specified as an argument in a DO RULE, BLOCK, or CALLUSER statement.

AutoEdit and System variables may not be passed as arguments to DB2.

The Control-M/Analyzer runtime environment terminates with an error.

\textbf{Corrective Action:} Assign the value of the argument in error to a user variable and pass that user variable to DB2 instead.

CTB22FE UNABLE TO CREATE VARIABLE \textit{varName}, THE PREFIX OF ITS NAME IS INVALID

\textbf{Explanation:} The name (\textit{varName}) of a variable to be created has the prefix of a variable that the DO SET command cannot create. The DO SET command can create user and AutoEdit variables only. In this case, a prefix was specified which marks another type of variable, for example, a system variable.

The Control-M/Analyzer runtime environment terminates with an error.

\textbf{Corrective Action:} Correct the variable name.

CTB230I NO MATCHING MISSION IN ACTIVE BALANCING FILE. MISSION: \textit{missionName}

\textbf{Explanation:} This message indicates that the Active Balancing file does not contain the \textit{missionName} mission specified in the call to Control-M/Analyzer.

Control-M/Analyzer terminates.

\textbf{Corrective Action:} Either correct the name of the mission, or order the mission to the Active Balancing file. Rerun the Control-M/Analyzer rule.

CTB231E COULD NOT ADD AN ENTRY TO THE ACTIVE BALANCING FILE

\textbf{Explanation:} Control-M/Analyzer was unable to add information to the Active Balancing file. This message usually indicates that the Active Balancing file is full.

Control-M/Analyzer terminates.

\textbf{Corrective Action:} Contact your INCONTROL administrator.
CTB232E  

$dsn$ FILE IS FULL. UNABLE TO ADD $recordType$

**Explanation:** Control-M/Analyzer failed to add a record to the file identified in the message because it was full.

The variables in this message are:

- $dsn$ - the name of the data set that was found to be full
- $recordType$ - the type of record that failed to be added to $dsn$

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Increase the size of the data set referenced by the $dsn$ DD statement.

CTB233E  

$dsn$ FILE FORMATTED WITH A ZERO-LENGTH KEY

**Explanation:** The $dsn$ Control-M/Analyzer database index file could not be opened. Index files must have a positive key length.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Reformat the data set referenced by the $dsn$ DD statement and rerun the job.

CTB234E UNABLE TO OPEN FILE $dsn$. CONFLICTING INSTALLATION PARAMETER QNAME

**Explanation:** The QNAME specified in the $dsn$ Control-M/Analyzer database file was different than the expected QNAME. The version of the Control-M/Analyzer runtime environment is different than the version of the utility which was used to format the file.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Verify that the correct Control-M/Analyzer database was allocated and rerun the job.

CTB235S ENQUEUE PROBLEM IN FILE $dsn$

**Explanation:** Control-M/Analyzer could not lock the database file for update.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Check the reason for the conflict and rerun the Control-M/Analyzer job after the current applications have finished running.

CTB236S DUAL DATABASE PROBLEM IN FILE $dsn$. RC= $rc$

**Explanation:** Control-M/Analyzer failed due to an integrity error in the $dsn$ mirror database file.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Disable the mirror database installed for this particular file. Record the content of this message and report it to your INCONTROL administrator. If the situation allows, the Control-M/Analyzer job can be rerun.

CTB237E  

$opn$ FAILED FOR FILE $ddName$ INDEX OR DATA. RC= $rc$

**Explanation:** An error occurred while performing an operation on the specified file.
The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Provide the syslog and contents of this message to your INCONTROL administrator.

**CTB239S opn FAILED FOR FILE ddName. RC= rc**

**Explanation:** An error occurred while performing the operation on the `ddName` file.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Record the contents of this message and consult your INCONTROL administrator.

**CTB23AS LINK OF IOADBF FAILED IN IOADBS**

**Explanation:** The IOADBF load module cannot be found.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Check the concatenated load libraries referenced by the DDNAME STEPLIB statement and rerun the Control-M/Analyzer job.

**CTB23BE dsn FILE IS FORMATTED INCORRECTLY. KEY LENGTH SHOULD BE ZERO**

**Explanation:** The data component of the `dsn` Control-M/Analyzer database file was formatted with a positive-length key. Data files must not be keyed.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Reformat the data set referenced by the `dsn` DD statement and rerun the job.

**CTB23CE ddName FILE IS FORMATTED INCORRECTLY. key/record LENGTH SHOULD BE len**

**Explanation:** A length of a key or record specified when formatting the file was incorrect. Each Control-M/Analyzer database file must adhere to specific length specifications.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Reformat the data set referenced by the `ddName` DD statement and rerun the job.

**CTB240E ON blk BLOCK CANNOT BE USED UNDER environmt**

**Explanation:** The specified ON block cannot be used in the specified environment. ON blocks are restricted to specific environments, as follows:

- If Control-M/Analyzer is running standalone, neither ON PAGE nor ON SYSDATA statements can be used in the rule.
- If Control-M/Analyzer is running under Control-M, ON PAGE, ON SYSOUT, ON CLASS and ON DSN statements cannot be used in the rule.
- If Control-M/Analyzer is running under Control-D, ON SYSDATA, ON SYSOUT, ON CLASS and ON DSN statements cannot be used in the rule.

Control-M/Analyzer terminates.
Corrective Action: Correct the error, and rerun the rule.

CTB241E posn MUST BE NUMERIC

Explanation: The record offset (for RRDS files) or the RBA (for ESDS files) specified in the FIRSTKEY or the LASTKEY parameter was not numeric.

The format of the record offset or RBA format is C nnn, where nnn is any 3-digit numeric string.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Set the FIRSTKEY or the LASTKEY parameter to a value in the format C nnn, where nnn is any 3-digit numeric string.

CTB242E VSAM CRITERIA crit DOES NOT COMPLY WITH THE REQUIRED FORMAT

Explanation: The criteria specified in either the FIRSTKEY or the LASTKEY parameter, or both these parameters, of the ON VSAM statement were not in the correct format.

The values of the FIRSTKEY and LASTKEY parameters must be in the format C cccc ,X x xxx ,... for all VSAM file types.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Correct the values of the FIRSTKEY and LASTKEY parameters into the required format.

CTB243E FILE fileName WAS NOT FOUND

Explanation: The fileName file specified in an ON statement was not found.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Correct the file name specification. If it includes AutoEdit variable substitution, make sure the variables have valid values.

CTB248E NON-NUMERIC OR ZERO n SPECIFIED IN PROCESS BW n

Explanation: The character specified after BW in a DO EXTRACT statement was not a positive integer.

The n in the BW n process in a DO EXTRACT statement specifies the number of the word to be extracted, and must be a positive integer.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Verify that only a positive integer follows BW in the BW n specification.

CTB249W WORD COUNT (num) SMALLER THAN nnn IN PROCESS BW n (SYSRC SET TO 4)

Explanation: The number of words in the text to be examined was less than the value of n specified in the BW n process in a DO EXTRACT statement. This message may indicate either an error in specifying the BW n process, or unexpectedly short data.

The SYSRC system variable is set to 4, and processing continues.
Corrective Action: Examine all the following and ensure that they are correct:

- the EXTRACT column limits
- the BW \( n \) process specification
- the supplied input data

**CTB24AE VARIABLE SYSEXTUPROC FOR EXTRACT PROCESS BUPROC IS NOT DEFINED**

Explanation: The SYSEXTUPROC system variable was not assigned a value when the BUPROC process was requested in a DO EXTRACT statement. The BUPROC process in a DO EXTRACT statement requires the SYSEXTUPROC system variable to be defined.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Use a DO SET statement to store the desired user-defined process in the SYSEXTUPROC system variable prior to specifying the BUPROC process.

**CTB24BE INVALID COMBINED PROCESS NAME procName. USE BCPROC\( n \) WITH \( n = 1 \) to 10**

Explanation: The user-defined combined EXTRACT process name was not in the format BCPROC \( n \), where \( n \) is an integer from 1 to 10.

The combined EXTRACT process invokes a sequence of processes specified in the SYSCPROC \( n \) system variable. This variable can be defined only when \( n \) is an integer from 1 through 10.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Set the combined EXTRACT process name in the format BCPROC \( n \), where \( n \) is an integer from 1 through 10.

**CTB24CE VARIABLE SYSCPROC\( n \) DOES NOT EXIST FOR PROCESS procName**

Explanation: The combined EXTRACT process referred to an undefined system variable (SYSCPROC \( n \)).

The combined EXTRACT process BCPROC\( n \) invokes a sequence of processes specified in the SYSCPROC \( n \) system variable. This system variable must be defined before executing an EXTRACT statement that refers to it.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Set the SYSCPROC \( n \) system variable to a sequence of EXTRACT processes or change the reference in the EXTRACT statement to a defined system variable.

**CTB250E FILE ddName CANNOT BE OPENED**

Explanation: During a Control-M/Analyzer run, the file referenced by the \( ddName \) DD statement could not be opened.

Probable causes are:
The `ddName` DD statement is missing.

The data set referenced by the `ddName` DD statement cannot be accessed.

Execution continues. If the error occurred during a DO PRINT statement, then output to the file referenced by the `ddName` DD statement is rerouted to the file referenced by SYSUSERDD statement.

**Corrective Action:** Correct the JCL and rerun the job.

CTB250S FILE `ddName` CANNOT BE OPENED

**Explanation:** During a Control-M/Analyzer run, the file referenced by the `ddName` DD statement could not be opened.

Probable causes are:

- The `ddName` DD statement is missing.
- The data set referenced by the `ddName` DD statement cannot be accessed.

The Control-M/Analyzer runtime environment ends with an error.

**Corrective Action:** Correct the JCL and rerun the job.

CTB255E OCCURRENCE MUST BE POSITIVE IN `func`

**Explanation:** An occurrence specified in the func function was zero or negative.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Specify a positive occurrence value.

CTB256E WORD NUMBER MUST BE POSITIVE IN FUNCTION WORD

**Explanation:** The word number specified in the WORD function was zero or negative.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Specify a positive word number.

CTB257E ENTRY NUMBER MUST BE POSITIVE IN DDINFO

**Explanation:** The data set entry number specified in the DDINFO function was zero or negative.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Specify a positive data set entry number.

CTB258E STARTING OCCURRENCE MUST NOT EXCEED ENDING OCCURRENCE IN `func`

**Explanation:** The starting occurrence exceeds the ending occurrence in the specified occurrence range.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Set the occurrence range in the `func` function to begin with the lower occurrence.
CTB259W WORD NUMBER num REQUESTED BUT INPUT STRING CONTAINS ONLY nnn WORDS (SYSRC SET TO 4)

Explanation: The number of words in the input string to the WORD function was smaller than the requested word number.

This message may indicate either an error in coding the call to the WORD function or an unexpectedly short input string.

The SYSRC system variable is set to 4 and processing continues.

Corrective Action: Ensure that the parameters of the WORD function are specified correctly.

CTB25AE DDNAME ddName WAS NOT FOUND IN STEP procStep, pgmStep (SYSRC SET TO 4)

Explanation: The DD name (ddName) specified in the DDNUM or the DDINFO function was not found. There is no DD statement with the ddName DD name in the procStep.pgmStep job step.

The SYSRC system variable is set to 4 and processing continues.

Corrective Action: Verify that the parameters specified in the DDNUM or DDINFO function are correct.

CTB25BE INFORMATION FOR DATASET NUMBER num1N DD STATEMENT ddName WAS REQUESTED BUT ONLY nn DATASETS ARE ALLOCATED (SYSRC SET TO 8)

Explanation: The number of data sets allocated to the ddName DD statement is less than the requested entry number in the DDINFO function.

The SYSRC system variable is set to 8 and processing continues.

Corrective Action: Specify a smaller data set entry number or verify that the JCL is correct.

CTB25CE UNABLE TO GET NUMBER OF LINES OF MEMBER mem1N LIBRARY lib - ISPF STATISTICS DO NOT EXIST

Explanation: The MEMLINES function failed to retrieve the number of lines of a member, because ISPF statistics did not exist for the member. The MEMLINES function obtains the member line-count from the ISPF statistics of the member. When the statistics are missing, the MEMLINES function cannot obtain the line-count.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Save the member using ISPF so that statistics for it are created.

CTB260E IN THIS MODE, GROUP grp CANNOT READ VARIABLE varName

Explanation: A DO SET expression could not read a database variable belonging to the grp group, due to group mode differences between the specified group and the current group. Control-M/Analyzer determines if it can read database variables belonging to other groups based on the modes of the groups.
When the current group is in ACTIVE mode, Control-M/Analyzer can read variables belonging to other groups in ACTIVE mode. It cannot read variables belonging to other groups in SIMULATION or DEFINE mode.

When the current group is in SIMULATION mode, Control-M/Analyzer can read variables from other groups in ACTIVE or SIMULATION mode. It cannot read variables belonging to other groups in DEFINE mode.

This message follows the CTB262I message, which specifies the name and mode of the group that Control-M/Analyzer attempted to access in order to read the variable. For more information about group modes, see the Control-M/Analyzer User Guide.

Corrective Action: Ensure that the groups which Control-M/Analyzer attempts to access for a read operation are in an appropriate mode. Invoke Control-M/Analyzer again.

CTB261E IN THIS MODE, GROUP grp CANNOT SET VARIABLE varName

Explanation: The indicated database variable belonging to the grp group could not be set, due to group mode differences between that group and the current group. Control-M/Analyzer determines if it can set database variables belonging to other groups based on the modes of the groups.

When the current group is in ACTIVE mode, Control-M/Analyzer can set variables belonging to other groups that are in ACTIVE mode. It cannot set variables belonging to other groups in SIMULATION or DEFINE mode.

When the current group is in SIMULATION mode, Control-M/Analyzer can set variables belonging to other groups in SIMULATION mode. It cannot set variables belonging to other groups in ACTIVE or DEFINE mode.

This message follows the CTB262I message, which specifies the name and mode of the group that Control-M/Analyzer tried to access to set the variable. For more information about group modes, see the Control-M/Analyzer User Guide.

Control-M/Analyzer terminates.

Corrective Action: Ensure that the groups which Control-M/Analyzer attempts to access for a set operation are in an appropriate mode. Invoke Control-M/Analyzer again.

CTB262I GROUP grp IS IN modeType MODE

Explanation: This information message indicates the name and mode of the group that Control-M/Analyzer tried to access for either a read or a set operation.

This message accompanies the CTB260E message or the CTB261E message, issued when the requested operation could not be performed because of mode differences between the group to be accessed and the current group.

Corrective Action: No action is required.

CTB270W THE VARIABLE SET varset IS EMPTY (SYSRC SET TO 8)

Explanation: No variables were found whose names belong to the specified set. This message is issued by the SUM, HOWMANy, and NEXTVAR functions when no variable names match the name-mask arguments or the database criteria.
The HOWMANY and SUM functions return zero. The NEXTVAR function returns a blank string. The SYSRC system variable is set to 8.

**Corrective Action:** Verify that this situation is not a result of improper coding or improper input data.

**CTB271E NON-NUMERIC VALUES WERE FOUND IN THE VARIABLE SET**

**Explanation:** One of the variables in the set contains a nonnumeric value. The SUM function expects a name-mask or database criteria that specifies only numeric variables.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Eliminate non-numeric values from the variable set in one of the following ways:

- Verify that only numeric values are assigned to the variables in the set specified in the SUM function.
- Redefine the set accordingly.
- Rename the non-numeric variables so that they will not be included in the set.
- Verify that all the variables in the set specified in the SUM function contain numeric values.

**CTB272E VARIABLE startvar IS NOT IN varset OR DOES NOT EXIST**

**Explanation:** The startvar starting variable specified in the NEXTVAR function does not belong to the varset set, or the startvar variable was not found. The startvar starting variable specified in the NEXTVAR function must exist, and it must belong to the identified variable set.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Verify that the startvar variable is contained in the varset set. Either respecify the criteria or change the startvar variable name.

**CTB282I** text (userId)

**Explanation:** Highlighted, unrollable message.

This information message is activated by the SHOUT facility.

In this message, userId is the user ID of the job order requesting the SHOUT.

**Corrective Action:** No action is required.

**CTB284I** NEW DYNAMIC DESTINATION TABLE LOADED

**Explanation:** This information message indicates that a new Dynamic Destination Table has been loaded by the IOA Runtime environment. This message is also generated when the SHOUT Facility is initialized under the IOA Runtime environment.

**Corrective Action:** No action is required.

**CTB285W** DYNAMIC DESTINATION TABLE NOT LOADED

**Explanation:** Loading of the Dynamic Destination Table by the IOA Runtime Environment failed. This could be due to one of the following:
insufficient memory for loading the table

- the IOADEST table does not exist in the IOA PARM library

If the failure occurs during the initialization of the IOA Runtime Environment, SHOUT notifications will not be controlled by the Dynamic Destination Table.

**Corrective Action:** Check the MVS Log for the reason for the failure (probably a system abend code). Correct the problem and then run the job again.

**Messages CTB300 through CTB3xx**

This group includes messages for the Control-M/Analyzer product.

**CTB303E** FILL IN THE REQUIRED FIELD

**Explanation:** A required field has not been filled in. The cursor points to the required field.

**Corrective Action:** Fill in the required field.

**CTB304E** FIELD MUST BE num DIGITS IN LENGTH

**Explanation:** The value in the field is not the required length. The field must contain num digits.

**Corrective Action:** Correct the field value.

**CTB305E** FILL IN THE LINE/COL RANGE

**Explanation:** Line/column range data has not been specified.

**Corrective Action:** Fill in the line/column range.

**CTB306E** "ON DATA" STATEMENT CANNOT BE REPLACED BY ANOTHER "ON" STATEMENT

**Explanation:** The user attempted to overwrite the ON DATA statement with another ON statement. After an ON DATA statement has been specified, it cannot be overwritten by another ON statement. It can be replaced by an empty ON statement. Then a new ON statement can be defined in its place.

For more information, see the ON DATA statement in the Control-M/Analyzer User Guide.

**Corrective Action:** Delete the keyword DATA from the ON DATA statement and press Enter. Then define the desired ON statement.

**CTB307E** "ON DATA" STATEMENT CANNOT REPLACE ANOTHER "ON" STATEMENT

**Explanation:** The user attempted to overwrite an existing ON statement with an ON DATA statement. After an ON statement is specified, it cannot be overwritten by an ON DATA statement. The ON statement can be replaced by an empty ON statement. Then an ON DATA statement can be defined in its place.

**Corrective Action:** Delete the keyword from the ON statement and press Enter. Then define the ON DATA statement.
CTB308E FIELD MUST BE NUMERIC OR BLANK

**Explanation:** The field contains nonnumeric data. The field must be blank or contain numeric data. If numeric values are used, then no trailing and leading blanks are not allowed.

**Corrective Action:** Correct the value in the field.

CTB309E FIRST CHARACTER CANNOT BE NUMERIC

**Explanation:** The first column in the field contains a numeric value. It should be alphabetic.

**Corrective Action:** Correct the value in the field.

CTB310E INVALID NAME

**Explanation:** The field contains characters not permitted in a name specification, for example, - s, +, !.

**Corrective Action:** Correct the name.

CTB311I PLEASE PLACE CURSOR WITHIN AN "ON" BLOCK

**Explanation:** This information message indicates that the user attempted to open an empty comment line outside of an ON block. A comment line can only be placed within an ON block.

**Corrective Action:** Open the comment line within an ON block.

CTB312E VALID VALUE IN THIS POSITION IS "+" OR "- "

**Explanation:** The value specified at the cursor position must be either + or -. The cursor points to the position requiring the + or - value.

**Corrective Action:** Correct the value at the cursor position.

CTB313E INVALID FORMAT

**Explanation:** The value in the field referenced by the cursor has an invalid format.

**Corrective Action:** Refer to the Control-M/Analyzer User Guide to determine the correct format for the field. Correct the value in the field.

CTB314E INVALID VALUE. SPECIFY "OK", "NOTOK", "TOLER", OR "ABEND"

**Explanation:** The field does not contain a valid value.

Valid values are:

- OK
- NOTOK
- TOLER
- ABEND

**Corrective Action:** Correct the value in the field.
CTB315E I N V A L I D VALUE

Explanation: The field pointed to by the cursor does not contain a valid value.
Corrective Action: Refer to the Control-M/Analyzer User Guide to determine valid values for the field. Correct the value.

CTB316E T O O M A N Y C O N T I N U A T I O N L I N E S

Explanation: The maximum number of continuation lines for the line type has been exceeded.
The cursor points to the first extra line.
Corrective Action: Delete the extra line.


Explanation: A DO EXTRACT action was specified within an ON DATA block. This action is not permitted in an ON DATA block.
Corrective Action: Remove the DO EXTRACT statement from the ON DATA block.

CTB318E "D O G O T O" P E R M I T T E D O N L Y I N "O N D A T A" B L O C K

Explanation: A DO GOTO action was specified outside an ON DATA block. This action is only permitted within an ON DATA block.
Corrective Action: Remove the invalid DO GOTO statement.


Explanation: The = character is missing from the DO SET statement. The = character is required to separate the variable value from the variable name.
Corrective Action: Correct the DO SET statement.


Explanation: Statement DO SET contains blanks immediately following the = character. The variable value, which follows the = character, cannot contain leading blanks. Trailing blanks are permitted in the variable value.
Corrective Action: Remove the leading blanks in the variable value.


Explanation: The abbreviation specified in the DO/ON line is ambiguous. There is more than one statement type starting with this abbreviation.
Corrective Action: Specify a longer, unique statement name.

CTB322E I N V A L I D F O R M A T . S H O U L D B E " +/- N N N"

Explanation: The value specified is not in a valid format. The value must consist of a 3-digit number preceded by either a + or - character.
**Corrective Action:** Specify the value using the correct format.

**CTB323E VALID OPTIONS ARE "C", "D", "N" AND "R"**

**Explanation:** An invalid value is specified in the OPT field in the DO SYSOUT statement. The OPT field in the DO SYSOUT statement can accept only the values listed in the message.

**Corrective Action:** Correct the contents of the OPT field accordingly.

**CTB324E INVALID CLASS. SHOULD BE BETWEEN A-Z OR 0-9**

**Explanation:** An invalid value is specified in the FRM field in the DO SYSOUT statement. The FRM field in the DO SYSOUT statement can accept only the values listed in the message.

**Corrective Action:** Correct the contents of the FRM field accordingly.

**CTB325E FOR OPTIONS "R" AND "D" FIELD MUST BE BLANK**

**Explanation:** A value is specified in the PRM field in the DO SYSOUT. The PRM field in the DO SYSOUT statement must remain empty when the user specifies either R or D in the OPT field.

**Corrective Action:** Delete the value in the PRM field.

**CTB326E FIRST CHARACTER MUST BE ALPHABETIC OR "$","#","@" SIGNS**

**Explanation:** The parameter or variable contains invalid characters.
The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Correct the subsystem parameter or variable specification.

**CTB327E DUPLICATE LABEL NAMES NOT ALLOWED. PLEASE CHANGE IT**

**Explanation:** The LABEL field on which the cursor is positioned contains a name that already appears in the rule definition.

**Corrective Action:** Change the label name.

**CTB328E INVALID OPTION (USE "R", "L" OR BLANK)**

**Explanation:** The value specified for the field on which the cursor is positioned is invalid.

**Corrective Action:** Specify either R, L, or leave the field empty.

**CTB329E INVALID OPTION (USE "Y" OR "N")**

**Explanation:** Y or N is not specified in the field on which the cursor is positioned.

**Corrective Action:** Specify either Y or N.

**CTB330E INVALID LENGTH. SHOULD BE BETWEEN 1-133**

**Explanation:** The length specified in the LEN field is invalid.
The length can only be in the range from 1 to 133.

**Corrective Action:** Specify a value within the range from 1 to 133.
CTB331E PRECISION MUST BE LESS THAN LENGTH

Explanation: The value specified in the PREC field exceeds the value specified in LEN field. The precision cannot be greater than the length.

Corrective Action: Correct the value of the PREC field.

CTB332E FILL IN AT LEAST ONE FORMAT PARAMETER

Explanation: No value is specified in the OUTDD or the FORMAT VAR fields. At least one of the OUTDD or the FORMAT VAR fields appearing on the screen must have a value.

Corrective Action: Specify a value in either the OUTDD or the FORMAT VAR fields.

CTB333E INVALID OPTION (USE "1", "2" OR BLANK)

Explanation: value specified for the field on which the cursor is positioned is invalid.

Corrective Action: Specify 1 or 2, or leave the field empty.

CTB334E INVALID FILE TYPE (USE "KSDS", "RRDS" OR "ESDS")

Explanation: The value specified for the FILE TYPE field is invalid.

Corrective Action: Specify KSDS, RRDS, or ESDS.

CTB335E INVALID VARIABLE NAME. NO BLANKS IN THE VARIABLE NAME ARE ALLOWED

Explanation: The ARG field of a DO RULE, DO BLOCK or DO CALLUSER statement contains one or more blanks in a variable name. Trailing blanks are not allowed in the ARG field of a DO RULE, BLOCK, or CALLUSER statement, and blanks are not allowed in a variable name.

Corrective Action: Correct the invalid variable name.

CTB336E FIRST CHARACTER MUST BE ALPHABETIC (A-Z)

Explanation: The variable name begins with a non-alphabetical symbol.

Corrective Action: Correct the invalid variable name.

CTB337E TOO MANY ARGUMENTS. A MAXIMUM OF 50 ARGUMENTS EXCEEDED

Explanation: The ARG field in a DO RULE, DO BLOCK or DO CALLUSER contains more than 50 arguments. A maximum of 50 arguments can be specified.

Corrective Action: Decrease the number of arguments specified.

CTB350E OPTION "D" CANNOT BE USED WITH OTHER OPTIONS

Explanation: An attempt has been made to use the D option with other options. Option D cannot be mixed with other options.

Corrective Action: Perform the D option, and then perform other options.
CTB351E WHEN OPTION "C" OR "I" IS USED, ONLY ONE OPTION IS ALLOWED

Explanation: User tried to specify more than one Option C or Option I. Multiple occurrences of Option C or Option I are not permitted, nor can these options be specified with other options.

Corrective Action: Perform Option C or Option I alone.

CTB352S UNABLE TO INITIALIZE THE "C" ENVIRONMENT

Explanation: The Control-M/Analyzer Online Facility is unable to initialize the C language environment. The C language environment must be initialized when entering the Rule Definition screen.

Corrective Action: Ask your INCONTROL administrator to call BMC Software Customer Support.

CTB353E RULE COMPILATION UNSUCCESSFUL

Explanation: The rule could not be compiled because it contains invalid data. The rule was prepared by means of the ISPF editor. Its contents do not conform to Control-M/Analyzer standards. Compilation error messages are displayed.

Corrective Action: Use the ISPF editor to correct the rule.

CTB354E NONZERO RC FROM THE FINAL SYNTAX CHECK

Explanation: Errors were detected in the rule definition during the final syntax check. Although the rule was prepared using the Control-M/Analyzer Online Facility, due to an internal error its contents do not conform to Control-M/Analyzer standards. Error messages from the final syntax check are displayed.

Corrective Action: Use the Control-M/Analyzer Online Facility to correct the rule.

CTB355E SELECTED MEMBER IS NOT A VALID RULE MEMBER

Explanation: The selected member is not a valid Control-M/Analyzer rule member. The message could result from one of the following:

- The member requested is not a rule.
- The member requested is a rule, but the rule has been incorrectly modified by means of an editor or program, and now its contents do not conform to Control-M/Analyzer standards.

Corrective Action: Enter a valid Control-M/Analyzer rule. If the specified rule has been incorrectly modified, try to restore it to its original state or correct it.

CTB356E ERROR IN RULE MEMBER. ZOOM SCREEN CANNOT BE BUILT

Explanation: The rule contains invalid data.

The rule contains invalid data. Possible causes are:
The member requested is not a rule, although its structure is similar to one.

The member requested is a rule, but the rule has been incorrectly modified by means of an editor or program, and now its contents do not conform to Control-M/Analyzer standards.

Corrective Action: If the contents of the rule have been modified, try to restore the rule to its original state. If you cannot or if this is not the problem, ask your INCONTROL administrator to call BMC Software Customer Support.

CTB357E INSUFFICIENT STORAGE TO LOAD RULE MEMBER

Explanation: Insufficient storage to load the rule member.

Corrective Action: Do one of the following:

- Log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, exit some of them using the END command.
- Split the rule into two rules.

CTB358E INSUFFICIENT STORAGE TO SHOW RULE DETAILS

Explanation: Insufficient storage to display the rule on the ZOOM screen.

Corrective Action: Do one of the following:

- Log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, exit some of them using the END command.

CTB359E INSUFFICIENT STORAGE TO PROCESS CHANGES TO RULE PARAMETERS.

Explanation: There is insufficient storage to process the changes to rule parameters in the Zoom screen.

All changes to the rule are ignored. The Rule List screen is displayed.

Corrective Action: Do one, or both, of the following:

- If you are using many IOA screens concurrently, exit some of them using the END command. Then, try to save the rule.
- Log on again using a larger SIZE parameter.

CTB360E RULE IS IN USE BY ANOTHER USER

Explanation: Another Control-M/Analyzer user is currently working on the rule. Two users cannot work on the same rule simultaneously. The other user may be using the rule either by means of the Control-M/Analyzer Online Facility or by means of the ISPF editor.

Corrective Action: Try again later.

CTB361E NO RULES FOUND IN THE LIBRARY. PLEASE ENTER RULE NAME

Explanation: The library is empty. Control-M/Analyzer did not build the rule list as no rules were found in the library.
Corrective Action: Specify a new rule name.

CTB362E PLEASE FILL IN RULE NAME
Explanation: No value was specified in the RULE field. The RULE field is obligatory.
Corrective Action: Specify the name of the rule member in the RULE field.

Messages CTB400 through CTB4xx
This group includes messages for the Control-M/Analyzer product.

CTB401E INTERNAL PROGRAM ERROR - INVALID FUNCTION
Explanation: An internal error has occurred. The requested function is not performed.
Corrective Action: Ask your INCONTROL administrator to call BMC Software Customer Support.

CTB402E INSUFFICIENT STORAGE FOR INVOCATION LIST
Explanation: There is insufficient storage to perform the requested action.
Corrective Action: Either ask your INCONTROL administrator to call BMC Software Customer Support, or adjust the selection criteria so that fewer records are selected.

CTB403E INTERNAL PROGRAM ERROR IN ROUTINE CTBCKP
Explanation: An internal error occurred. The requested action is not performed.
Corrective Action: Ask your INCONTROL administrator to call BMC Software Customer Support.

CTB405E OPEN OF DDNAME ddName FAILED. RC= rc
Explanation: Control-M/Analyzer was unable to open the file referenced by the ddName DD statement. The requested action is not performed.
Corrective Action: Check that the ddName DD statement exists and refers to the correct file. Check the system log for messages which indicate the reason that the open failed. If you are unable to solve the problem, report the contents of the message to your INCONTROL administrator.

CTB406E DISPLAY TYPE " type" NOT FOUND
Explanation: The user specified a display type (type) which has not been defined. Valid display types are defined in the $$JBL member.
Corrective Action: Specify a valid display type.

CTB407E PLEASE SPECIFY A GROUP NAME, OR "*" FOR ALL GROUPS
Explanation: A value was not specified in the GROUP field. GROUP is a required field.
Corrective Action: Specify a group name (or * for all groups).

CTB408E REPORT NOT FOUND FOR THIS JOB
Explanation: The report for this invocation cannot be located in the report file. The report file is not synchronized with the Active Balancing file.
The requested action is not performed.
Corrective Action: Notify your INCONTROL administrator.

CTB409E REPORT NOT CREATED FOR THIS JOB
Explanation: No report was created for this invocation of Control-M/Analyzer. Either the report file is full, or an internal error occurred in the early stages of Control-M/Analyzer invocation.
The requested action is not performed.
Corrective Action: Notify your INCONTROL administrator.

CTB40AI NO VARIABLES WERE COMMITTED FOR THIS ENTRY
Explanation: This information message indicates that the mission did not commit any variables.
Corrective Action: No action is required.

CTB40BE INVALID RETURN CODE FROM modName RC = rc FUNCTION func
Explanation: An internal error occurred.
The requested action is not performed.
Corrective Action: Ask your INCONTROL administrator to call BMC Software Customer Support.

CTB40CI ROLLBACK COMPLETED SUCCESSFULLY
Explanation: This information message indicates that rollback was performed successfully.
Corrective Action: No action is required.

CTB40DE ROLLBACK DENIED BY SECURITY EXIT
Explanation: This information message indicates that you are not authorized to roll back this invocation.
Corrective Action: If you think you should be authorized to roll back this invocation, contact your security administrator.

CTB40EI ALL COMMITTED VARIABLES HAVE BEEN OVERWRITTEN
Explanation: This information message indicates that all the variables that were committed by this invocation have been overwritten.
Corrective Action: No action is required.
CTB40FI PRINT REQUEST COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the requested report has been sent to the spool or to a file.

**Corrective Action:** No action is required.

CTB410S SYSOUT ALLOCATION FAILED, RC= rc, ERROR= error

**Explanation:** Control-M/Analyzer was unable to perform the dynamic allocation required to print your report.

**Corrective Action:** Refer to the IBM manual MVS Programming: Authorized Assembler Services Guide. If you still cannot solve the problem, ask your INCONTROL administrator to call BMC Software Customer Support.

CTB411S SYSOUT OPEN FAILED

**Explanation:** SYSOUT could not be opened for report printing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB413E COP# MUST BE 3 DIGITS (001-255)

**Explanation:** An invalid number of copies of the report was requested. The number of copies of a report must be a three digit number between 001 and 255.

**Corrective Action:** Correct the request and try again.

CTB414E SECOND PART OF DESTINATION AND WRITER NAME CANNOT BE MIXED

**Explanation:** A value was specified in both the WTR field and the second part of the destination field. Values for both cannot be used together; they are mutually exclusive.

**Corrective Action:** Specify either value, but not both values.

CTB415E YOU ARE NOT AUTHORIZED TO PERFORM THIS ACTION

**Explanation:** The security exit prevents you from performing the action you have requested.

**Corrective Action:** If you think you should be authorized to perform this action, contact your security administrator.

CTB416E DATASET NAME CANNOT BE BLANK

**Explanation:** A data set name was not specified with the request to print a file. If you choose to print a file, you must specify a data set name.

**Corrective Action:** Specify the data set name if you want to print the file.

CTB417S FILE OPEN FAILED

**Explanation:** While processing the print request, Control-M/Analyzer was unable to open the specified file.
The requested action is not performed.

**Corrective Action:** Check that the data set is cataloged. Check the system log for error messages which may indicate a reason for the problem, and correct accordingly.

**CTB418S UNABLE TO PRINT REPORT**

**Explanation:** This error occurs when there are no lines to be printed.

**Corrective Action:** Notify your INCONTROL administrator.

**CTB419S INSUFFICIENT FREE SPACE IN THE OUTPUT FILE**

**Explanation:** Control-M/Analyzer was unable to print the report because there was insufficient space in the output file.

**Corrective Action:** Enlarge the output file and try again.

**CTB41AI THIS INVOCATION HAS ALREADY BEEN ROLLED BACK**

**Explanation:** This information message indicates that a roll back request was made for an invocation that has already been rolled back.

**Corrective Action:** No action is required.

**CTB41BE REQUESTED FILE IS NOT CATALOGED**

**Explanation:** Control-M/Analyzer was unable to open the specified file.

The requested operation is not performed.

**Corrective Action:** Make sure the data set is cataloged.

**CTB41CE REQUESTED FILE IS NOT SEQUENTIAL**

**Explanation:** The user specified a nonsequential file for the online print option. Control-M/Analyzer cannot print the balancing report into nonsequential file.

**Corrective Action:** Correct the DSN specified in the Print Option panel.

**CTB484I POST DAILY CHECKPOINT WRITTEN**

**Explanation:** This information message indicates that Post-daily checkpoint was written and that the New Day procedure ended normally.

**Corrective Action:** No action is required.

Messages **CTB500 through CTB5xx**

This group includes messages for the Control-M/Analyzer product.
CTB501I CTBBAO STARTED

**Explanation:** This information message signals the normal start of the CTBBAO program. The Control-M/Analyzer Online Facility produces this message when it orders or forces a balancing mission to the Active Balancing file.

**Corrective Action:** No action is required.

CTB502S OPEN OF SCHEDULE DATA FAILED. DDNAME "DABAL"

**Explanation:** Open of Control-M/Analyzer BALMIS library failed.

Failure is due to one of the following:

- The DABAL DD statement is missing.
- Either the data set pointed to by the DAJOB DD statement cannot be opened for sequential read, or its record length is not 80.

The CTBBAO program ends with errors.

**Corrective Action:** Consult your INCONTROL administrator.

CTB503S OPEN OF USER DATE CONTROL RECORD FAILED - DDNAME "DACHK"

**Explanation:** Open of the file containing the User Date Control Record failed (the DACHK DD statement).

This message is issued by the CTMJOB program, which is usually activated by the New Day procedure.

Possible causes are:

- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The CTMJOB program ends with errors.

**Corrective Action:** Correct the JCL for the job/CLIST.

CTB504S USER DATE CONTROL RECORD IS EMPTY

**Explanation:** The data set described by the DACHK DD statement is empty.

The CTMJOB program ends with errors.

**Corrective Action:** Correct the JCL for the job/CLIST.

CTB505E VALID VALUES ARE "I" or "H"

**Explanation:** An invalid value was specified for the GEN TYPE (generation type) field. Valid values for the GEN TYPE field are

- I (Independent)
- H (Hierarchical)

**Corrective Action:** Specify a valid value, or use the CANCEL command to exit without saving the database variable definition.
CTB505S PREVIOUS RUN OF CTBBAO DID NOT FINISH OK

**Explanation:** A previous run of the CTBBAO program did not finish OK. This program is usually activated as part of the New Day procedure.

date-2 and date-3 (or date-4 and date-5) of the Date Control Record are not equal. Possible causes are:

- The previous run of the CTBBAO program did not finish OK.
- The contents of the User Date Control Record (DD statement DACHK) have been manually modified.

The CTBBAO program ends with errors.

**Corrective Action:** Set date-3 (or date-5), positions 25-30 (or 50-55) in the Date Control Record (the DACHK DD statement), to the values of date-2 (or date-4). To rerun the same New Day procedure, change all the dates to the value of the day before.

**Note:**
Do not order the same mission twice on the same day when rerunning the New Day procedure. First delete previously ordered missions from the Active Balancing file, and then rerun the New Day procedure.

CTB506S SCHEDULING FAILED FOR MEMBER *memName*

**Explanation:** Scheduling failed for the *memName* member. This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

The IOA Log or the output of the job should contain an additional message concerning the reason for failure.

The job order of member is not placed in the Active Jobs file. Depending on the severity of the problem, the New Day procedure will continue to the next job order or terminate with a condition code of 08.

**Corrective Action:** Check the IOA Log or the job’s output for the reason.

CTB507S LAST MONTHLY SCHEDULING DATE GREATER THAN THE CURRENT ORIGINAL SCHEDULING DATE

**Explanation:** Invalid last monthly Scheduling Date.

The last monthly Scheduling Date (positions 18-23) in the User Date Control Record is greater than the current original Scheduling Date (positions 1-6). Possible causes are:

- The previous run of the CTMJOB program did not finish OK.
- Someone has modified the contents of the User Date Control Record (the DACHK DD statement).

For more details refer to the *INCONTROL for z/OS Administrator Guide.*

The CTMJOB program ends with errors.

**Corrective Action:** Correct the User Date Control Record (the DACHK DD statement).

CTB508S LAST MONTHLY SCHEDULING DATE WAS MORE THAN 28 DAYS AGO, CHECK IT

**Explanation:** The last monthly scheduling date is more than 28 days ago.

Possible causes are:
The User New Day procedure has not been used for more than 28 days. Correct the dates in the record to “yesterday.”

Someone has modified the contents of the General Date Control Record incorrectly.
For more details refer to the INCONTROL for z/OS Administrator Guide.
Program execution stops with a condition code of 08.

**Corrective Action:** Correct the dates in the User Date Control Record (the DACHK DD statement).

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**CTB510S SEVERE ERROR IN THE BALANCING DATA. NOTIFY THE IOA ADMINISTRATOR**

**Explanation:** A severe error was detected in the scheduling data. This message is issued by the New Day procedure. This message is produced when a scheduling mission (pointed to by the DABAL DD statement) contains erroneous data.

Possible causes are:

- The contents of the mission were incorrectly modified using an editor or program, and the format of the mission is invalid.
- Internal error in Control-M/Analyzer.

The New Day procedure terminates with a condition code of 08.

**Corrective Action:** Try to restore the mission to its original state. If you cannot, have your IOA administrator call BMC Software Customer Support for assistance. If the mission is a batch New Day procedure using a permanent Date Control Record, correct the contents of the Date Control record before running the New Day procedure again. For more information, see the BAO505S message.

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**CTB513E ONLY TRAILING BLANKS ALLOWED IN FIELD**

**Explanation:** The name specified in the field contains leading or embedded blanks. Only trailing blanks are valid in this field. The cursor points to the invalid value.

**Corrective Action:** Specify a valid value, or use the CANCEL command to exit without saving the database variable definition.

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**CTB513I SCHEDULE FAILED FOR num CONTROL-M/ANALYZER CATEGORIES**

**Explanation:** This information message displays the number of Control-M/Analyzer balancing missions categories that were not found in the library allocated to the DABAL DD statement.

In this message, num is the number of balancing missions categories that were not found.

The Control-M/Analyzer New Day procedure continues processing.

**Corrective Action:** Examine the IOA Log file for the failed categories and associated reasons for failure.

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**CTB514S INSUFFICIENT STORAGE FOR THE BALANCING MISSION**

**Explanation:** There is insufficient storage for processing the mission order.

The CTBBAO program (of the New Day procedure) terminates with a condition code of 08.
Corrective Action: Increase the REGION size of the New Day procedure.

CTB515E FIELD MUST START WITH AN ALPHA CHARACTER
Explanation: The value specified in the field does not start with an alphabetic character. The first character in the value must be alphabetic. The cursor points to the invalid value.
Corrective Action: Specify a valid value, or use the CANCEL command to exit without saving the database variable definition.

CTB515S ERROR IN SCHEDULING DATA - TOO MANY STATEMENTS FOR ONE MISSION
Explanation: The scheduling mission contains too many statements. Scheduling data describing the mission order is too large to be processed by Control-M/Analyzer.
The mission order is not placed on the Active Balancing file. The New Day procedure terminates with a condition code of 08.
Corrective Action: Check the contents of the mission order using the Online Scheduling Facility and omit unnecessary scheduling data. Report this to your INCONTROL administrator.

CTB516E FIELD MUST CONTAIN ONLY ALPHANUMERIC CHARACTERS
Explanation: The value specified in the field contains non-alphanumeric characters. Only alphanumeric characters are valid in this field. The cursor points to the invalid value.
Corrective Action: Specify a valid value, or use the CANCEL command to exit without saving the database variable definition.

CTB516S ERROR IN SCHEDULING DATA - FIRST STATEMENTS SHOULD START WITH "B"
Explanation: Invalid scheduling data was detected in the first data set pointed to by the DABAL DD statement. The first statement of a valid balancing mission should start with B.
The error could be due to one of the following:
- The data set pointed to by the DABAL DD statement is not a Balancing Mission.
- The Balancing Mission has been manually modified incorrectly.
The CTBBAO program ends with errors.
Corrective Action: Check that the DABAL DD statement refers to a valid Balancing Mission definition.

CTB517E MAXIMUM NUMBER OF GENERATIONS MUST BE BETWEEN 1 AND 1000
Explanation: An invalid number of generations was specified. Values for the MAXIMUM ACTIVE GENERATIONS field must be from 1 through 1000.
Corrective Action: Specify a valid value, or use the CANCEL command to exit without saving the database variable definition.
CTB517S SCHEDULING DATA NOT AVAILABLE

**Explanation:** The DD statement pointing to the job scheduling tables is empty or missing.
The program ends with errors.

**Corrective Action:** Correct the JCL for the job or CLIST.

CTB518S INVALID YEAR IN USER DATE CONTROL RECORD

**Explanation:** Invalid year in the User Date Control record used by the New Day procedure.
This year is not supported by the release of Control-M you are using.
The CTMJOB program ends with errors.

**Corrective Action:** Correct the YEAR field (the DACHK DD statement).

CTB519S INVALID PREVIOUS WEEKLY SCHEDULING DATE IN USER DATE CONTROL RECORD (POSITIONS 43-48)

**Explanation:** Invalid previous weekly Scheduling Date in the User Date Control record (positions 43-48).
This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.
This date (date-4 of User Date Control record) might not be equal to date-5 (positions 50-55) or in invalid format. Valid format is ddmmyy or mmdyyyy. Possible causes are:

- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details refer to the *INCONTROL for z/OS Administrator Guide*.
The New Day procedure will end with errors.

**Corrective Action:** Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

CTB520E NAME MUST BE SPECIFIED

**Explanation:** No name was specified for the variable. The NAME field is mandatory in the Variable Definition screen.

**Corrective Action:** Specify a valid name, or use the CANCEL command to exit without saving the database variable definition.

CTB521E UPDATE OF VARIABLE DEFINITION FAILED

**Explanation:** An error occurred while attempting to update a variable in the database Variable Definition screen. The database variable definition is not updated.

**Corrective Action:** Ask your INCONTROL administrator to call BMC Software Customer Support.
CTB522E INTERNAL ERROR IN CTBDBV#

**Explanation:** An error occurred while attempting to update or create a variable in the database Variable Definition screen.

The database variable definition is not updated.

**Corrective Action:** Ask your INCONTROL administrator to call BMC Software Customer Support.

CTB522S INVALID ORIGINAL SCHEDULING DATE IN USER DATE CONTROL RECORD (POSITIONS 1-6)

**Explanation:** Invalid original scheduling date in the User Date Control Record (positions 1-6). This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

Valid format is ddmmyy or mmdyy. The message may be due to one of the following:

- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, refer to the *INCONTROL for z/OS Administrator Guide*.

The New Day procedure will end with errors.

**Corrective Action:** Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

CTB523E PLEASE FILL IN A SPECIFIC GROUP NAME, OR OMIT THE VARIABLE NAME

**Explanation:** A database variable name was specified in the database Entry Panel, but a specific group name was not specified.

There are four possible system actions:

- If the VARIABLE field is filled in on the database Entry Panel, and the GROUP field is blank or contains a prefix value, the database Variable Definition screen is displayed.
- If the GROUP and VARIABLE fields in the Entry Panel are both blank, the Group List is displayed.
- If a prefix is specified in the GROUP field, and the VARIABLE field is blank, an abbreviated Group List, listing only groups matching the prefix, is displayed.
- If a specific group name is specified, and the VARIABLE field is blank, the database Variable List is displayed.

**Corrective Action:** Specify a group name or delete the database variable name.

CTB523S INVALID PREVIOUS MONTHLY SCHEDULING DATE IN USER DATE CONTROL RECORD (POSITIONS 18-23)

**Explanation:** Invalid previous monthly scheduling date in the User Date Control Record (positions 18-23). This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.
This date (date-2 of User Date Control Record) should be equal to date-3 (positions 24-29) or in valid format. The valid format is ddmmyy or mmddyy.

Possible causes are:

- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details refer to the INCONTROL for z/OS Administrator Guide.

Corrective Action: Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

CTB524E OPERATION FAILED. ERROR DURING FILE ACCESS RC=rc, FUNCTION=func

Explanation: An error occurred during an attempt to open or read the Control-M/Analyzer database. The error occurred during online processing from a screen under Main Menu option BV (database Variables).

No information is retrieved. The screen is exited.

Corrective Action: Ask your INCONTROL administrator to notify BMC Software Customer Support of the error message, return code and function.

CTB524S CTBBAO ENDED WITH ERRORS

Explanation: The CTBBAO program ended with errors. It is activated as part of the New Day procedure.

The New Day procedure finishes executing with a condition code of 08. The IOA Log File contains one or more prior messages concerning the errors.

Corrective Action: Examine the IOA Log File for the errors. If necessary, correct the Date Control Record (date-3 and date-5) manually for the next run of the New Day procedure.

CTB525E VARIABLE ALREADY EXISTS. IT CANNOT BE CREATED.

Explanation: An attempt was made to create a variable, but a variable with the same name already exists in the group. The variable cannot be created because it already exists. It cannot be saved because it was specified using the Insert command.

The Exit Option Window is closed. The database Variable Definition screen remains displayed.

Corrective Action: Either specify a database variable name that does not currently exist in the group, or use the CANCEL command to exit without saving the database variable definition.

CTB525I CTBBAO ENDED

Explanation: This information message indicates that the CTBBAO terminating program, which is activated as part of the New Day procedure, has terminated.

Corrective Action: No action is required.
CTB526E SAVE CAN ONLY BE PERFORMED FOR ALREADY-EXISTING VARIABLES

Explanation: A request was made to save a database variable which was not yet created in the group. After inserting a variable in a group and exiting, the Exit Option Window is displayed. The SAVE option in the window is valid only for existing database variables. The CREATE option must be used to create new database variables.

Corrective Action: Either specify option CREATE to create the database variable, or press the RESET key (PF04) to close the window without saving the database variable.

CTB527E ONE (AND ONLY ONE) EXIT OPTION MUST BE MARKED AS "Y" OR "N"

Explanation: More than one option was specified in the Exit Option Window. When exiting the database Variable Definition screen, the Exit Option Window is opened. It contains two options: SAVE and CREATE. A value can be specified for only one of the exit options. Valid values are Y (Yes) or N (No).

Corrective Action: Specify Y or N for either SAVE or CREATE (but not both), or press the RESET key (PF04) to close the window without saving the database variable.

CTB528E VALID VALUES ARE "N" OR "Y"

Explanation: An invalid value was specified in the CREATE or UPDATE field in the Group Window. Valid values for CREATE or UPDATE in the Group Window are

- Y (Yes - create or update the group)
- N (No - do not create or update the group).

Corrective Action: Specify Y or N in the CREATE or UPDATE field.

CTB529E SPECIFIED GROUP NAME IS INVALID OR MISSING

Explanation: An invalid value was specified in the GROUP field in the New Group Window. When inserting a new group in the Group List, the GROUP field in the New Group Window must contain an alphanumeric value with no leading blanks.

Corrective Action: Specify a valid name in the GROUP field.

CTB529S LAST WEEKLY SCHEDULING DATE GREATER THAN THE CURRENT ORIGINAL SCHEDULING DATE

Explanation: The last weekly scheduling date in the Date Control Record is greater than the current original scheduling date.

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure. Date-4 (positions 43-48) should not be greater than date-1 (positions 1-6) in the Date Control Record. The message may be due to one of the following:

- The previous run of the CTMJOB program did not finish OK.
- Someone modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, refer to the INCONTROL for z/OS Administrator Guide.
Program execution stops with a condition code of 08.

**Corrective Action:** Correct the User Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

**CTB530E SPECIFIED GROUP NAME ALREADY EXISTS**

**Explanation:** A group with the name specified in the New Group Window already exists. Group names must be unique. When inserting a new group, the name of an existing group cannot be specified in the GROUP field of the New Group Window.

**Corrective Action:** Specify a unique group name, or cancel the create request by specifying N (No) in the CREATE field of the window.

**CTB530S LAST WEEKLY SCHEDULING DATE WAS MORE THAN 28 DAYS AGO, CHECK IT**

**Explanation:** The last weekly scheduling date is more than 28 days ago.

Possible causes are:
- The User New Day procedure has not been used for more than 28 days. Correct the dates in the record to yesterday.
- Someone has modified the contents of the General Date Control Record incorrectly.

For more details, refer to the *INCONTROL for z/OS Administrator Guide.*

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the dates in the Date Control Record (the DACHK DD statement) and rerun.

**CTB531E INVALID OR MISSING GROUP MODE**

**Explanation:** An invalid value was specified in the GROUP MODE field in the Group Window.

Valid values for the GROUP MODE field in the Group Window are:
- D (Define)
- A (Active)
- S (Simulate)

**Corrective Action:** Specify a valid GROUP MODE value.

**CTB532I ADD/UPDATE COMPLETED SUCCESSFULLY**

**Explanation:** This information message indicates that a group was successfully updated or added to the database Group List.

**Corrective Action:** No action is required.
INCONTROL for z/OS Messages Manual

CTB532S OPEN OF CONTROL-M/ANALYZER ACTIVEBALANCING FILE FAILED. DDNAME "DAABF"

**Explanation:** Open of Control-M/Analyzer Active Balancing file failed. This error message is issued by the CTBBAO program, which is usually activated as part of the New Day procedure.

Possible causes are:
- the DAABF DD statement is missing.
- The data set pointed to by the DAABF DD statement is not the Control-M/Analyzer Active Balancing file.
- The data set pointed to by the DAABF DD statement is a Control-M/Analyzer Active Balancing file, from a different version of Control-M/Analyzer.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the mission/CLIST and rerun it.

CTB533E NO VARIABLES IN GROUP. ONLY "INSERT" IS VALID

**Explanation:** An option other than Insert was requested in an empty Group. If the Variables List for a group contains no variables, Insert is the only operation permitted. Insert is the first operation which should be performed in a new group, in order to insert the first variable and to add it to the list of variables.

**Corrective Action:** Either request option Insert, or exit the database Variable List screen.

CTB534E PLEASE FILL IN A DESCRIPTION

**Explanation:** The DESCRIPTION field in the New Group Window is empty. The DESCRIPTION field is mandatory when creating a new group.

**Corrective Action:** Fill in the DESCRIPTION field.

CTB534S SEVERE ERROR ON CONTROL-M/ANALYZER ACTIVE BALANCING FILE. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Severe error on Control-M/Analyzer Active Balancing file. This error message is issued by the CTBBAO program, which is usually activated as part of the New Day procedure.

Possible causes are:
- An I/O error.
- The file allocated to the DAABF DD statement is not the Control-M/Analyzer Active Balancing file.
- The Active Balancing file has been corrupted.

The CTBBAO Control-M/Analyzer program ends with errors.

**Corrective Action:** Ask your IOA administrator to check whether the Active Balancing File has been updated from two computers without global ENQ control, or by an unauthorized program.
CTB535I NO CHANGES PERFORMED

Explanation: This information message is issued when the database Variable Definition screen is exited without saving changes (for example, by specifying CANCEL, or by specifying N (No) in the SAVE or CREATE field in the Exit Option Window).

Corrective Action: No action is required.

CTB536E GROUP NAME DOES NOT EXIST IN THE DATABASE

Explanation: The name of the group specified in the database Entry Panel does not exist. Only names of existing groups can be specified in the Entry Panel. To define a new group, use the Insert option in the Group List.

Corrective Action: Either specify an existing group name, or clear the GROUP field and define the new group in the Group List.

CTB536S SEVERE ERROR IN SCHEDULING DATA CARDS

Explanation: Severe error was found in the scheduling data statements. This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

Scheduling fails for the job order. The CTMJOB program terminates with a condition code of 08.

Corrective Action: Look for additional messages concerning the error, correct the error and rerun.

CTB537I NO VARIABLES MATCH THE SPECIFIED PREFIX

Explanation: This information message indicates that a prefix was specified in the VARIABLE field in the database Entry Panel, but no matches were found in the specified group. A prefix specified in the VARIABLE field must match at least one existing database variable.

The database Variable Definition screen can be accessed directly from the database Entry Panel by specifying an existing group and an existing variable prefix. If only a group name is specified, the database Variable List for the group is displayed.

Corrective Action: Specify the prefix of an existing variable to display the database Variable Definition screen, or clear the VARIABLE field to display the database Variable List for the group.

CTB537S NO MORE INTERNAL WORK AREA. SEE MESSAGES AND CODES FOR REQUIRED ACTION

Explanation: Internal work areas of the New Day procedure have been exhausted.

The job order contains more data than can be handled by the current release of Control-M.

The New Day procedure terminates with a condition code of 08.

Corrective Action: Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

CTB538I NO GROUPS MATCH THE SPECIFIED PREFIX

Explanation: This information message indicates that a prefix was specified in the GROUP field in the database Entry Panel but no matches were found in the database. A prefix specified in the GROUP field must match at least one existing group. The matching Group List is then displayed.
If the GROUP and VARIABLE fields are both blank in the Entry Panel, the entire Group List is displayed.

**Corrective Action:** Specify the prefix of an existing group to display an abbreviated Group List, or clear the GROUP field to display the entire Group List.

**CTB538S LOADING OF CONTROL-M/ANALYZER INSTALLATION PARAMETERS FAILED**

**Explanation:** Loading of Control-M/Analyzer Installation Parameters, which are in the CTBPARM member in the IOA PARM library, failed.

Possible causes are:
- There is insufficient memory to load the IOA Installation Parameters.
- The CTBPARM member does not exist in the IOA PARM library.
- The IOA PARM library was updated while you were working and the position of the CTBPARM member has changed.

The requested function is terminated.

**Corrective Action:** Look in the system log for additional related messages. Try one of the following:
- If loading failed because of lack of memory: increase the REGION size for batch missions; for TSO, try to log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, try to exit a few using the END command. This releases memory used by the screens.
- If the PARM library has been modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again.

**CTB539S ERROR IN CONTROL-M/ANALYZER INSTALLATION PARAMETERS - INVALID DATETYP**

**Explanation:** Invalid DATETYP Control-M/Analyzer Installation Parameter. The DATETYP parameter specifies the date format used at installation.

Valid values are:
- A
- W
- J

For more details, see the section on operational parameters in the IOA installation chapter in the INCONTROL for z/OS Installation Guide.

The requested function is terminated.

**Corrective Action:** Contact your INCONTROL administrator. Set the DATETYP parameter in the IOAPARM member to a valid value.

**CTB540E VIEW OPTION FAILED**

**Explanation:** An attempt to view generations of database variables failed. Option V (View) was specified in the Variables List Panel to display all active generations of the selected specific database variable.
The View operation is not performed.

**Corrective Action:** Ask your INCONTROL administrator to call BMC Software Customer Support.

**CTB540S CONTROL-M/ANALYZER ACTIVE BALANCING FILE IS FULL. NOTIFY THE IOA ADMINISTRATOR**

**Explanation:** Highlighted, unrollable message.

Control-M/Analyzer Active Balancing file is full. There is no more space in the Active Balancing file for new missions.

The mission order is not placed in the Active Balancing file.

**Corrective Action:** Contact your IOA administrator immediately. It may be necessary to increase it size. Compress the Active Balancing files.

**CTB540W LOAD OF SECURITY MODULE modName FAILED. SECURITY CHECKING WILL BE BYPASSED**

**Explanation:** Loading of the specified IOA security module failed. Possible causes are:

- The installation is not using the specified user security module, and has erased the default IOA-supplied module.
- IOA Load library is not in the JOBs load modules search list (STEPLIB + Linklist).
- Insufficient memory.
- Another system oriented reason which can be found in the syslog.

As a result, no security checking is performed. For more details, refer to the sections on Security Interface Modules in the appropriate security guides.

**Corrective Action:** Notify the INCONTROL administrator. This is a potentially serious situation. Someone may be attempting to violate security.

**CTB541E DATABASE EMPTY. ONLY "INSERT" MAY BE SPECIFIED**

**Explanation:** An operation other than Insert was attempted although there are no groups in the database.

When the database is empty and there are no existing groups, the only operation permitted is Insert. Insert is the first operation that must be performed in the Group List. After the first group is created, Select and Update operations are also permitted.

**Corrective Action:** Specify an Insert operation, or exit the Group List screen.

**CTB542E INSUFFICIENT SPACE IN THE VARIABLES FILE**

**Explanation:** An attempt was made to Insert a new variable, but there is not enough space in the database. No new variables can be defined until sufficient space is provided.

The new variable is not created.
**Corrective Action:** It may be possible to create the variable by requesting fewer generations. In any case, more free file space should be provided. Use the CTBDBVCP utility to copy the file to a new enlarged file, or use the CTBDBVDL utility to compress the file. For more information, see the INCONTROL for z/OS Utilities Guide.

**CTB543E INSUFFICIENT SPACE IN THE MODELS FILE**

**Explanation:** An attempt was made to insert a new variable, but there is insufficient space in the database Variable Basic file. The file is full or nearly full. No new variables can be defined until sufficient space is provided.

The new variable is not created.

**Corrective Action:** You must provide more file space. Use the CTBDBVCP utility to copy the file to a new enlarged file, or use the CTBDBVDL utility to compress the file. For more information, see the INCONTROL for z/OS Utilities Guide.

**CTB544E INSUFFICIENT SPACE IN THE INDEX FILE**

**Explanation:** An attempt was made to insert a new variable, but there is insufficient space in the database Variable Basic Index file. The file is full or nearly full. No new variables can be defined until sufficient space is provided.

The new variable is not created.

**Corrective Action:** Use the CTBDBVCP utility to copy the file to a new enlarged file, or use the CTBDBVDL utility to compress the file. For more information, see the INCONTROL for z/OS Utilities Guide.

**CTB545E NO AUTHORIZATION FOR PERFORMING THIS OPERATION**

**Explanation:** The user is unauthorized to perform the requested Insert or Update on the variable.

The new variable is not created or updated.

**Corrective Action:** If you think you should be authorized to perform the attempted operation, contact your INCONTROL administrator.

**CTB546E GRAPH OPTION FAILED**

**Explanation:** The user attempted to view a graph of a specific variable, but the variable was empty, and as a result, the graph option failed. A variable must have a value to be viewed as a graph.

**Corrective Action:** Verify that the variable specified has a value.

**Messages CTB600 through CTB6xx**

This group includes messages for the Control-M/Analyzer product.

**CTB601S ERROR READING ACTIVE BALANCING FILE REASON rc**

**Explanation:** An error occurred while trying to read status information in the Active Balancing file. The Active Balancing Environment screen is not built. The IOA Primary Option Menu is displayed.
Corrective Action: If the reason code is 0012, more storage is required. Exit from screens which are not in use and increase the REGION size if necessary. For other reason codes, ask your INCONTROL administrator to notify BMC Software Customer Support of the problem and the reason code.

CTB602S UNABLE TO OPEN ACTIVE BALANCING FILE

Explanation: An error occurred while trying to open the Active Balancing file. Status information about balancing missions resides in the Active Balancing file.

The Active Balancing Environment screen is not built. The IOA Primary Option Menu is displayed.

Corrective Action: Make sure that the DAABF DD statement references the Active Balancing file. If the name was correct when the error occurred, ask your INCONTROL administrator to contact BMC Software Customer Support.

CTB603E OPTION CANNOT BE PERFORMED. INTERNAL ERROR

Explanation: An internal error occurred when trying to perform a line command on one of the balancing mission entries.

The requested line command is not performed.

Corrective Action: Ask your INCONTROL administrator to notify BMC Software Customer Support.

CTB604E UNABLE TO LOAD CTBTLOG

Explanation: The CTBTLOG load module cannot be found.

The Control-M/Analyzer runtime environment terminates with an error.

Corrective Action: Check the concatenated load libraries referenced by the DDNAME STEPLIB statement and rerun the Control-M/Analyzer job.

CTB605E LOG COMMAND FAILED. RC= rc

Explanation: The L (Log) line command could not be performed.

The requested line command is not performed.

Corrective Action: Ask your INCONTROL administrator to notify BMC Software Customer Support of the problem and the return code.

CTB606E ENTRY IS IN USE. PLEASE TRY opt OPTION AGAIN IN A FEW MOMENTS

Explanation: An attempt was made to HOLD, DELETE, or FREE a balancing mission that was in use. The balancing mission was being held to be updated by either another user, or by the Control-M/Analyzer Runtime Environment.

The requested status change of the balancing mission is not performed.

Corrective Action: Wait a few moments for the balancing mission to become free, and try again.
CTB607E CANNOT PERFORM opt DUE TO STORAGE ALLOCATION FAILURE

**Explanation:** Available storage is not sufficient to perform the opt HOLD, FREE or DELETE option on the balancing mission.

The requested status change of the balancing mission is not performed.

**Corrective Action:** Exit any screens which are not in use, and increase the REGION size if necessary.

CTB608I ENQ PROBLEM ON THE ACTIVE BALANCING FILE

**Explanation:** This information message indicates that an attempt to free a balancing mission failed during performance of a line command when an ENQ was made to the balancing mission.

**Corrective Action:** Solve the immediate ENQ/FREE problem by exiting Control-M/Analyzer entirely, and then reentering. Ask your INCONTROL administrator to notify BMC Software Customer Support of the problem.

CTB609E AN ENTRY MAY NOT BE DELETED DURING "BALANCING"

**Explanation:** A D (Delete) line command was specified for a balancing mission while the mission was balancing. A mission cannot be deleted during balancing.

The requested delete is not performed.

**Corrective Action:** When the mission is not balancing, place the mission in HELD status, and then delete it.

CTB60AE INTERNAL ERROR ACTIVATING "WHY" OPTION

**Explanation:** An error occurred while performing the requested ? (Why) line command.

The? (Why) line command is not performed.

**Corrective Action:** Ask your INCONTROL administrator to notify BMC Software Customer Support.

CTB60BE ACTIVE BALANCING FILE IS BEING FORMATTED

**Explanation:** The Active Balancing file cannot be read because it is being formatted. Status information about balancing missions resides in the Active Balancing file. When this file is being formatted, status information cannot be retrieved.

An empty Balancing Status screen is displayed.

**Corrective Action:** Every few moments press Enter until a non-empty Balancing Status screen is displayed.

CTB665E INPUT PARAMETER (ADDRESS SPACE NAME) ERROR DETECTED

**Explanation:** The PARM parameter is missing or is too large. The PARM input parameter is not present in the invocation JCL, or is too large.

The CTOCTA utility terminates.

**Corrective Action:** Add or correct the input parameter and rerun the job.
CTB666I PROGRAM pgm FOUND IN THE RB CHAIN

**Explanation:** This information message indicates that the CTOCTA utility found the address space running the *pgm* program.

The CTOCTA utility found at least one task in the address space running the *pgm* program.

**Corrective Action:** No action is required.

CTB667I SVC svcno (TYPE 2 NUCLEUS SVC) FOUND IN AN SVRB

**Explanation:** This information message indicates that the CTOCTA utility found the address space running the *svcno* SVC.

**Corrective Action:** No action is required.

Messages CTB700 through CTB7xx

This group includes messages for the Control-M/Analyzer product.

CTB701E PLEASE SPECIFY MISSION NAME, OR OMIT CATEGORY

**Explanation:** A category was specified, but a mission name is missing. A category can only be defined for a specified mission.

**Corrective Action:** Either fill in a mission name, or omit the category to get a list of missions in the library.

CTB718E NO MISSIONS FOUND IN THE LIBRARY. PLEASE ENTER THE MISSION NAME

**Explanation:** The library is empty. Control-M/Analyzer did not build the missions list because no missions were found in the library.

**Corrective Action:** Specify a new mission name.

CTB720E INVALID OPTION. USE "SINGLE", "STEP" OR "JOB"

**Explanation:** An invalid option was specified in the SCOPE field.

Valid options are:

- SINGLE
- STEP
- JOB
- ALL

**Corrective Action:** Specify a valid option.

Messages CTB800 through CTB8xx

This group includes messages for the Control-M/Analyzer product.
CTB800E PLEASE SPECIFY JOBNAME

**Explanation:** The JOBNAME field has not been filled in. The JOBNAME field is mandatory.

**Corrective Action:** Fill in the JOBNAME field.

CTB801E OPTION "opt" NOT ALLOWED IN THIS MODE

**Explanation:** The opt option is not valid. This message is usually issued during an attempt to update or delete a generation when viewing the variables related to a rule invocation. When the Variables screen is used under the Job Activity screen, it can only be used in browse mode.

**Corrective Action:** Specify another option.

CTB802E CANNOT PERFORM AN INSERT ON AN INSERTED LINE

**Explanation:** An attempt was made to insert a new record before entering the required information for the current record. Until all the required information has been entered for the current record, a new record cannot be inserted.

**Corrective Action:** Fill in the required fields in the inserted record before attempting to insert a new record.

CTB803E FORMAT MUST INCLUDE THE "GROUP" FIELD

**Explanation:** When defining the display type, the GROUP field was not included. GROUP is a mandatory field in all display type formats.

**Corrective Action:** Ask your INCONTROL administrator to correct the display type in the $$DBV member.

CTB804E THIS "GROUP" AND "VARIABLE" CANNOT BE INSERTED

**Explanation:** Due to an internal error, there is a problem with the GROUP and VARIABLE fields.

**Corrective Action:** Have your system programmer to call your INCONTROL administrator.

CTB805E FORMAT MUST INCLUDE THE "VARIABLE" FIELD

**Explanation:** When defining the display type, the VARIABLE field was not included. VARIABLE is a mandatory field in all display type formats.

**Corrective Action:** Ask your INCONTROL administrator to correct the display type in the $$DBV member.

CTB806E GROUP NAME AND/OR VARIABLE NAME CANNOT BE UPDATED

**Explanation:** An attempt was made to update the GROUP or VARIABLE (or both) fields. These fields cannot be updated.

The update is not performed.

**Corrective Action:** No action is required.
CTB807E A DELETED GENERATION CANNOT BE UPDATED
Explanation: An attempt was made to update a deleted generation.
The requested action is not performed.
Corrective Action: No action is required.

CTB808E FILE ERROR rc IN ACTION action
Explanation: An error occurred while the Control-M/Analyzer database was being accessed.
Corrective Action: Notify your INCONTROL administrator.

CTB809E GENERATION ALREADY DELETED
Explanation: An attempt was made to delete a generation that is already marked deleted. A deleted
generation cannot be deleted again.
The requested action is not performed.
Corrective Action: No action is required.

CTB810I GENERATION DELETED
Explanation: This information message indicates that the specified generation was deleted.
Corrective Action: No action is required.

CTB811I CREATION DATE/TIME OF RECORD HAS CHANGED
Explanation: This information message indicates that generation information in the file has been
updated since your screen was last refreshed. Since your request was based on outdated information on
the screen, Control-M/Analyzer did not perform your request.
The requested action is not performed.
Corrective Action: Refresh the screen. If you still want to perform the action, specify it again.

CTB812E CREATION DATE/TIME OF GENERATION 0 HAS CHANGED
Explanation: A new generation was created by another user since your screen was last refreshed. Since
your insert request is based on an older generation, Control-M/Analyzer does not perform your insert
request.
The requested insert is not performed.
Corrective Action: Refresh the screen. If you still want to perform the insert, specify it again.

CTB813E UNABLE TO OBTAIN ENQ ON VARIABLE. TRY AGAIN LATER
Explanation: The database variable is temporarily locked while in use by another user. The locking
mechanism prevents database corruption.
The requested action is not performed.
Corrective Action: Wait a short while and then try again.
CTB814E INSERT IS NOT ALLOWED IN THIS MODE

**Explanation:** Insert is only allowed under option BV. This message is most commonly issued when a user tries to insert a generation when viewing the variables related to a rule invocation. The Variables screen, when used under the Job Activity screen, can only be used in browse mode.

The requested insert is not performed.

**Corrective Action:** No action is required.

Messages CTB900 through CTB9xx

This group includes messages for the Control-M/Analyzer product.

CTB902E INVALID OPTION (TRY "Y", "N" OR BLANK)

**Explanation:** The user specified an invalid value in a field which may only contain Y (Yes), N (No) or blank.

**Corrective Action:** Correct the input field and press enter.

CTB912S ERROR IN CONTROL- x INSTALLATION PARAMETERS - INVALID DAYTIME

**Explanation:** The format of the DAYTIME Control- x Installation parameter is invalid. DAYTIME is the start time of the Control-M work day in your installation. Valid formats are +hhmm or -hhmm.

For more details see the section that describes installation parameters in the chapter for the appropriate products in the INCONTROL for z/OS Installation Guide.

The requested function terminates.

**Corrective Action:** Call your system programmer to correct the DAYTIME parameter in the CT x PARM member.

CTB913S OPEN OF DDNAME "SYSPRINT" FAILED

**Explanation:** The opening of a print file failed.

Possible causes are:

- The DD statement SYSPRINT is missing.
- The data set described by the DD statement SYSPRINT cannot be accessed for sequential write.

The program stops executing.

**Corrective Action:** Correct the JCL and submit again.

CTB971I CONTROL-M/ANALYZER UTILITY CTBJAFIG STARTED

**Explanation:** This information message indicates the normal start of the CTBJAFIG Control-M/Analyzer utility.

**Corrective Action:** No action is required.
CTB971S ERROR OPENING SYSPRINT

**Explanation:** This information message indicates that the CTBDIV Control-M/Analyzer utility failed to open the print file referenced by the SYSPRINT DD statement.

Possible causes are:
- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for sequential write.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

CTB972I CHECKING OF THE JOB ACTIVITY FILE IN PROGRESS

**Explanation:** This information message indicates that CTBJAFG Control-M/Analyzer utility has begun checking the Control-M/Analyzer Rule Activity File.

**Corrective Action:** No action is required.

CTB973I CHECKING OF THE REPORT FILE IN PROGRESS

**Explanation:** The CTBJAFG Control-M/Analyzer utility has begun checking the Control-M/Analyzer report file.

**Corrective Action:** No action is required.

CTB974I LOGICAL RELATION BETWEEN THE JOB ACTIVITY AND THE REPORT FILES NOW BEING CHECKED

**Explanation:** This information message indicates that the CTBJAFG Control-M/Analyzer utility has begun checking the logical relation between the Job Activity and report files.

**Corrective Action:** No action is required.

CTB975E INVALID INPUT PARAMETER

**Explanation:** The CTBJAFG Control-M/Analyzer utility failed to analyze the FILE= *name* job input statement.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the FILE input parameter and rerun the job.

CTB976S ERROR OPENING SYSPRINT

**Explanation:** The CTBJAFG Control-M/Analyzer utility failed to open the print file referenced by the SYSPRINT DD statement.

Possible causes are:
- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for sequential write.

The utility stops executing with a condition code of 16.
Corrective Action: Correct the JCL and rerun the job.

CTB977S ERROR OPENING THE JOB ACTIVITY FILE

Explanation: The CTBJAFIG Control-M/Analyzer utility failed to open the Job Activity Data file referenced by the DAJAF DD statement.

Possible causes are:
- The DAJAF DD statement is missing.
- The data set referenced by the DAJAF DD statement is not the Control-M/Analyzer Job Activity Data file.
- An internal error occurred while the Control-M/Analyzer Job Activity Data file was being opened.

Corrective Action: Correct the JCL and rerun the job. If an error occurred while opening the file, notify your INCONTROL administrator.

CTB978S ERROR OPENING THE REPORT FILE

Explanation: The CTBJAFIG Control-M/Analyzer utility failed to open the report Data file referenced by the DAREP DD statement.

Possible causes are:
- The DAREP DD statement is missing.
- The data set referenced by the DAREP DD statement is not the Control-M/Analyzer Report Data file.
- An internal error occurred while the Control-M/Analyzer Report Data file was being opened.

The utility stops executing with a condition code of 16.

Corrective Action: Correct the JCL and rerun the job. If an error occurred while opening the file, notify your INCONTROL administrator.

CTB979S INSUFFICIENT STORAGE FOR PROCESSING THE REPORT FILE

Explanation: The CTBJAFIG Control-M/Analyzer utility requires more storage to check the Control-M/Analyzer Report Data file.

The utility stops executing with a condition code of 08.

Corrective Action: Increase the REGION size and rerun the job.

CTB97AS INSUFFICIENT STORAGE FOR PROCESSING THE JOB ACTIVITY FILE

Explanation: The CTBJAFIG Control-M/Analyzer utility requires more storage to check the Control-M/Analyzer Job Activity Data file.

The utility stops executing with a condition code of 08.

Corrective Action: Increase the REGION size and rerun the job.
CTB97BS INSUFFICIENT STORAGE FOR COMPARING THE JOB ACTIVITY AND REPORT FILES

**Explanation:** The CTB97BS Control-M/Analyzer utility requires more storage to check the logical relation between the Control-M/Analyzer Job Activity and Report Data files.

The utility stops executing with a condition code of 08.

**Corrective Action:** Increase the REGION size and rerun the job.

CTB97CS CORRECTION OF THE JOB ACTIVITY FILE FAILED

**Explanation:** The CTB97CS Control-M/Analyzer utility failed to correct errors detected in the Control-M/Analyzer Job Activity Data file.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB97DS CORRECTION OF THE REPORT FILE FAILED

**Explanation:** The CTB97DS Control-M/Analyzer utility failed to correct errors detected in the Control-M/Analyzer Report Data file.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB97ES CORRECTION OF THE LOGICAL RELATION BETWEEN THE JOB ACTIVITY AND REPORT FILES FAILED

**Explanation:** The CTB97ES Control-M/Analyzer utility failed to correct errors detected in the logical relation between the Job Activity and Report Data files.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB97FS INVALID RECORD TYPE IN THE JOB ACTIVITY FILE

**Explanation:** The CTB97FS Control-M/Analyzer utility detected an error in the Job Activity Data file. This message is followed by the CTB98FI message which displays the address of the invalid record.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB980S INCORRECT NUMBER OF RECORDS IN THE JOB ACTIVITY FILE

**Explanation:** The CTB980S Control-M/Analyzer utility detected an error in the Job Activity Data file.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.
CTB981S INCORRECT NUMBER OF FREE RECORDS IN THE JOB ACTIVITY FILE

**Explanation:** The CTBjAF1G Control-M/Analyzer utility detected an error in the Job Activity Data file. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB982S ERROR IN INFO RECORD:

**Explanation:** The CTBjAF1G Control-M/Analyzer utility detected an error in a record in the Job Activity Data file. This message is followed by other messages which display information about the record in error. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB983S ERROR IN INVOCATION RECORD:

**Explanation:** The CTBjAF1G Control-M/Analyzer utility detected an error in a record in the Job Activity Data file. This message is followed by other messages which display information about the record in error. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB984S ERROR IN JOB RECORD:

**Explanation:** The CTBjAF1G Control-M/Analyzer utility detected an error in a record in the Job Activity Data file. This message is followed by other messages which display information about the record in error. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB985S INVALID RECORD TYPE IN THE REPORT FILE

**Explanation:** The CTBjAF1G Control-M/Analyzer utility detected an error in the Report Data file. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB986S INCORRECT NUMBER OF RECORDS IN THE REPORT FILE

**Explanation:** The CTBjAF1G Control-M/Analyzer utility detected an error in the Report Data file. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB987S INCORRECT NUMBER OF FREE RECORDS IN THE REPORT FILE

**Explanation:** The CTBjAF1G Control-M/Analyzer utility detected an error in the Report Data file. The utility continues executing.
Corrective Action: Notify your INCONTROL administrator.

CTB988S ERROR IN SECONDARY REPORT RECORD:
Explanation: The CTBJAFIG Control-M/Analyzer utility detected an error in a record in the Report Data file. This message is followed by other messages which display information about the record in error. The utility continues executing.
Corrective Action: Notify your INCONTROL administrator.

CTB989S ERROR IN PRIMARY REPORT RECORD:
Explanation: The CTBJAFIG Control-M/Analyzer utility detected an error in a record in the Report Data file. This message is followed by other messages which display information about the record in error. The utility continues executing.
Corrective Action: Notify your INCONTROL administrator.

CTB98AS INVOCATION RECORD FOR THIS REPORT DOES NOT EXIST
Explanation: While checking the logical relation between the Control-M/Analyzer Job Activity and Report Data files, The CTBJAFIG Control-M/Analyzer utility found a record in the Report Data file, but did not find the corresponding record in the Job Activity Data file.
This message is followed by a message that displays the address of the unmatched record. The utility continues executing.
Corrective Action: Notify your INCONTROL administrator.

CTB98BS REPORT RECORD FOR THIS INVOCATION RECORD DOES NOT EXIST
Explanation: While checking the logical relation between the Control-M/Analyzer Job Activity and Report Data files, the CTBJAFIG Control-M/Analyzer utility found a record in the Job Activity Data file, but did not find the corresponding record in the Report Data file.
This message is followed by a message that displays the address of the unmatched record. The utility continues executing.
Corrective Action: Notify your INCONTROL administrator.

CTB98CI INTEGRITY CHECKING ENDED WITH RETURN CODE rc
Explanation: This information message indicates normal termination of the CTBJAFIG Control-M/Analyzer utility.
Corrective Action: No action is required.

CTB98DE NO JOB RECORDS IN THE JOB ACTIVITY FILE
Explanation: The CTBJAFIG Control-M/Analyzer utility did not check the Job Activity Data file because it did not find any Job records in the file. It is likely that the file is empty.
The utility stops executing with a condition code of 32.

**Corrective Action:** Check whether or not the file is empty. If the file is empty, there is no problem. If the file is not empty, notify your INCONTROL administrator.

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**CTB98EE NO PRIMARY REPORT RECORDS IN THE REPORT FILE**

**Explanation:** The CTBJAFIG Control-M/Analyzer utility did not check the Report Data file because it did not find any Primary Report records in the file. It is likely that the file is empty.

The utility stops executing with a condition code of 32.

**Corrective Action:** Check whether or not the file is empty. If the file is empty, there is no problem. If the file is not empty, notify your INCONTROL administrator.

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**CTB98FI RBA = rba**

**Explanation:** This information message displays the address of the record when the CTBJAFIG Control-M/Analyzer utility detects a record in error. This message follows the error message which contains details about the error.

**Corrective Action:** No action is required.

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**CTB990S INVALID REFERENCE TO THE FIRST ELEMENT IN THE SUB-SEQUENCE**

**Explanation:** A problem occurred while the CTBJAFIG Control-M/Analyzer utility was accessing the Job Activity or Report Data file.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

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**CTB991S INVALID REFERENCE TO THE LAST ELEMENT IN THE SUB-SEQUENCE**

**Explanation:** A problem occurred while the CTBJAFIG Control-M/Analyzer utility was accessing the Job Activity or Report Data file.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

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**CTB992S INVALID KEY OR BACK-POINTER IN THE SUB-SEQUENCE**

**Explanation:** A problem occurred while the CTBJAFIG Control-M/Analyzer utility was accessing the Job Activity or Report Data file.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

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**CTB993S ERROR IN THE RECORD SUB-SEQUENCE**

**Explanation:** A problem occurred while the CTBJAFIG Control-M/Analyzer utility was accessing the Job Activity or Report Data file.
The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**CTB994S INVALID BACK-POINTER IN THE RECORD**

**Explanation:** A problem occurred while the CTBJAFIG Control-M/Analyzer utility was accessing the Job Activity or Report Data file.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**CTB995S INVALID RECORD TYPE IN THE RECORD SEQUENCE**

**Explanation:** A problem occurred while the CTBJAFIG Control-M/Analyzer utility was accessing the Job Activity or Report Data file.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**CTB996S LOOP DETECTED IN INFO RECORD SEQUENCE**

**Explanation:** The CTBJAFIG Control-M/Analyzer utility detected a loop in the Information record sequence in the Job Activity Data file. This message is followed by the CTB98FI message, which displays the addresses of the records included in the loop.

The utility bypasses the loop and continues normal execution.

**Corrective Action:** Notify your INCONTROL administrator about the loop.

**CTB997S LOOP DETECTED IN INVO RECORD SEQUENCE**

**Explanation:** The CTBJAFIG Control-M/Analyzer utility detected a loop in the Invocation record sequence in Rule Activity File. This message is followed by the CTB98FI message, which displays the addresses of the records included in the loop.

The utility bypasses the loop and continues normal execution.

**Corrective Action:** Notify your INCONTROL administrator about the loop.

**CTB998S LOOP DETECTED IN SECONDARY REPORT RECORD SEQUENCE**

**Explanation:** The CTBJAFIG Control-M/Analyzer utility detected a loop in the Secondary Report record sequence in report file. This message is followed by the CTB98FI message, which displays the addresses of the records included in the loop.

The utility bypasses the loop and continues normal execution.

**Corrective Action:** Notify your INCONTROL administrator about the loop.

**CTB999S INVALID KEY FOUND IN RECORD**

**Explanation:** A problem occurred while the CTBJAFIG Control-M/Analyzer utility was accessing the Job Activity or Report Data file.

The utility continues executing.
Corrective Action: Notify your INCONTROL administrator.

CTB99AS JOB RECORD HAS NO INVOCATION RECORDS

Explanation: No Invocation records were found for the job record in the Job Activity Data file. The utility continues executing.

Corrective Action: Notify your INCONTROL administrator.

CTB99BI CORRECTION OF JOB ACTIVITY FILE IS IN PROGRESS

Explanation: This information message indicates that the CTBJAFIG Control-M/Analyzer utility has begun correcting the Control-M/Analyzer Job Activity Data file.

Corrective Action: No action is required.

CTB99CI CORRECTION OF REPORT FILE IS IN PROGRESS

Explanation: This information message indicates that the CTBJAFIG Control-M/Analyzer utility has begun correcting the Control-M/Analyzer Report Data file.

Corrective Action: No action is required.

CTB99DI LOGICAL RELATION BETWEEN THE JOB ACTIVITY AND REPORT FILES NOW BEING CORRECTED

Explanation: This information message indicates that the CTBJAFIG Control-M/Analyzer utility has begun correcting the logical relation between the Control-M/Analyzer Job Activity and Report Data files.

Corrective Action: No action is required.

CTB99EI JOB RECORD HAS BEEN DELETED record

Explanation: This information message indicates that the CTBJAFIG Control-M/Analyzer utility deleted the record job record from the Job Activity Data file because the record was in error. This message is followed by other messages that give additional information about the deleted record.

Corrective Action: No action is required.

CTB99FI INVOCATION RECORD HAS BEEN DELETED record

Explanation: This information message indicates that the CTBJAFIG Control-M/Analyzer utility deleted the record invocation record from the Job Activity Data file because the record was in error. This message is followed by other messages that give additional information about the deleted record.

Corrective Action: No action is required.

CTB9A1E INVALID STATEMENT IN CRITERIA DEFINITION

Explanation: The CTBDBVCP Control-M/Analyzer utility failed due to syntax errors in criteria definition input statements.

The utility stops executing with a condition code of 16.

Corrective Action: Correct the input statements and rerun the job.
CTB9A2E INVALID GROUP SPECIFIED IN CRITERIA DEFINITION

**Explanation:** The CTBDBVCP Control-M/Analyzer utility failed due to error in the GROUP input statement.

The utility stops executing with a condition code of 16.

**Corrective Action:** Correct the GROUP input statement and rerun the job.

CTB9A3E INVALID VARIABLE NAME SPECIFIED IN CRITERIA DEFINITION

**Explanation:** The CTBDBVCP Control-M/Analyzer utility failed due to an error in the VARIABLE input statement.

The utility stops executing with a condition code of 16.

**Corrective Action:** Correct the VARIABLE input statement and rerun the job.

CTB9A4S ERROR OPENING DATABASE

**Explanation:** The CTBDBVCP Control-M/Analyzer utility was unable to open the Control-M/Analyzer database.

Possible causes are:

- One of the DD statements DIMOD, DIVAR, DOMOD, or DOVAR is missing.
- One of the data sets referenced by the DD statements listed above cannot be opened for sequential read or write.

The utility stops executing with a nonzero return code.

**Corrective Action:** Correct the problem and rerun the job.

CTB9A5S INSUFFICIENT STORAGE TO RUN CONTROL-M/ANALYZER UTILITY CTBDBVCP

**Explanation:** The CTBDBVCP Control-M/Analyzer utility requires more storage in order to copy the requested entries from the source Control-M/Analyzer database.

The utility stops executing with a condition code of 12.

**Corrective Action:** Increase the REGION size and rerun the job.

CTB9A6S ERROR ACCESSING TARGET DATABASE

**Explanation:** The CTBDBVCP Control-M/Analyzer copy utility was unable to access the target Control-M/Analyzer database.

The utility stops executing with a nonzero return code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9A7S ERROR ACCESSING SOURCE DATABASE

**Explanation:** The CTBDBVCP Control-M/Analyzer copy utility was unable to access the source Control-M/Analyzer database.
The utility stops executing with a nonzero return code.

**Corrective Action:** Notify your INCONTROL administrator.

---

**CTB9A8I** CONTROL-M/ANALYZER UTILITY CTBDBVCP STARTED

**Explanation:** This information message indicates the normal start of the CTBDBVCP Control-M/Analyzer copy utility.

**Corrective Action:** No action is required.

---

**CTB9A9I** COPY PERFORMED: numVariables VARIABLES, numGroups GROUPS WERE COPIED

**Explanation:** This information message indicates the normal termination of the CTBDBVCP Control-M/Analyzer copy utility. This message includes statistics.

**Corrective Action:** No action is required.

---

**CTB9AAI** VARIABLE ALREADY EXISTS IN TARGET DATABASE GROUP: grp VARIABLE: varName

**Explanation:** This information message indicates that the CTBDBVCP Control-M/Analyzer utility did not copy the indicated variable because it already exists in the target database.

The utility continues executing.

**Corrective Action:** To replace the variable, rerun the job with the REPLACE parameter set to YES.

---

**CTB9ABI** GROUP: grp ALREADY EXISTS IN TARGET DATABASE

**Explanation:** This information message indicates that the CTBDBVCP Control-M/Analyzer utility did not copy the grp group because it already exists in the target database.

The utility continues executing.

**Corrective Action:** To replace the group, rerun the job with the REPLACE parameter set to YES.

---

**CTB9ACS** OPEN OF SYSIN FAILED. CHECK DD CARD "DACMD"

**Explanation:** The CTBDBVCP Control-M/Analyzer utility could not open the input file (the SYSIN DD statement).

Possible causes are:

- The SYSIN DD statement or the DACMD DD statement is missing.
- The data set referenced by the SYSIN DD statement cannot be accessed for sequential read.

The utility stops executing with a condition code of 36.

**Corrective Action:** Fix the problem and rerun the job.

---

**CTB9ADE** INVALID NUMGEN/FROMGEN/TOGEN STATEMENT DEFINITION

**Explanation:** The CTBDBVCP Control-M/Analyzer utility could not process the NUMGEN, FROMGEN, or TOGEN input statement.
The utility stops executing with a condition code of 40.

**Corrective Action:** Correct the input statements and rerun the job.

**CTB9AEE FROMGEN/TOGEN RANGE SIZE EXCEEDS NUMBER OF GENERATIONS REQUESTED FOR TARGET VARIABLE**

**Explanation:** The CTDBVCP Control-M/Analyzer utility was unable to process the input statements. The range of generations requested for copying to the newly created variable, exceeds the total number of generations requested for creation in the target database.

The utility stops executing with a condition code of 44.

**Corrective Action:** Increase the value specified in input statement NUMGEN= value, or decrease the range specified in statements FROMGEN= value and TOGEN= value. Rerun the job.

**CTB9AFS INITIALIZATION ERROR. UNABLE TO CONTINUE PROCESSING**

**Explanation:** The CTDBVDL Control-M/Analyzer utility failed to initialize processing.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

**CTB9BOS ERROR OPENING SYSPRINT**

**Explanation:** The CTDBVCP Control-M/Analyzer utility failed to open the print file referenced by the SYSPRINT DD statement.

Possible causes are:

- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for sequential write.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**CTB9B1E INVALID STATEMENT IN CRITERIA DEFINITION**

**Explanation:** The CTDBVDL Control-M/Analyzer utility failed due to one or more errors in the criteria definition input statement.

The utility stops executing with a condition code of 16.

**Corrective Action:** Correct the input statement and rerun the job.

**CTB9B2E INVALID GROUP SPECIFIED IN CRITERIA DEFINITION**

**Explanation:** The CTDBVDL Control-M/Analyzer utility failed due to error in the GROUP input statement.

The utility stops executing with a condition code of 16.

**Corrective Action:** Correct the GROUP input statement and rerun the job.
CTB9B3E INVALID VARIABLE NAME SPECIFIED IN CRITERIA DEFINITION

**Explanation:** The CTDBVDL Control-M/Analyzer utility failed due to an error in the VARIABLE input statement.

The utility stops executing with a condition code of 16.

**Corrective Action:** Correct the VARIABLE input statement and rerun the job.

CTB9B4S ERROR OPENING DATABASE

**Explanation:** The CTDBVDL Control-M/Analyzer utility is unable to open the Control-M/Analyzer database.

Possible causes are:
- One of the DD statements DIMOD, DIVAR, DOMOD or DOVAR is missing.
- One of the data sets referenced by the DD statements listed above cannot be opened for sequential read or write.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Correct the problem and rerun the job.

CTB9B5S ERROR OPENING SYSPRINT

**Explanation:** The CTDBVDL Control-M/Analyzer utility failed to open the print file referenced by the SYSPRINT DD statement.

Possible causes are:
- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for sequential write.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

CTB9B6S I/O ERROR UPDATING DATABASE

**Explanation:** The CTDBVDL Control-M/Analyzer utility failed to update the Control-M/Analyzer database.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9B7S I/O ERROR READING DATABASE RECORD

**Explanation:** The CTDBVDL Control-M/Analyzer utility failed to read the Control-M/Analyzer database.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.
CTB9B8I  CONTROL-M/ANALYZER UTILITY CTBDBVDL STARTED
Explanation: This information message indicates the normal start of the CTBDBVDL Control-M/Analyzer compression utility.
Corrective Action: No action is required.

CTB9B9I  UTILITY CTBDBVDL ENDED: num VARIABLES, num GROUPS WERE DELETED
Explanation: This information message indicates the normal termination of the CTBDBVDL Control-M/Analyzer compression utility. This message includes statistics.
Corrective Action: No action is required.

CTB9BAS  ERROR DURING CTBGRP CALL. OPERATION: opn
Explanation: The CTBDBVDL Control-M/Analyzer utility failed to execute the indicated operation on the Control-M/Analyzer Group file.
In most cases, this utility stops executing with a nonzero condition code. However, if the error occurs while deleting a group, processing continues with the next group.
Corrective Action: Notify your INCONTROL administrator.

CTB9BBS  ERROR DURING CTBDBV CALL. OPERATION: opn
Explanation: The CTBDBVDL Control-M/Analyzer utility failed to execute the indicated operation on the Control-M/Analyzer database.
The utility continues processing but it will end with a nonzero condition code.
Corrective Action: Notify your INCONTROL administrator.

CTB9BCE GROUP FILE CONTAINS NO RECORDS WHICH SATISFY THE SPECIFIED CRITERIA
Explanation: The CTBDBVDL or CTBDBVDL Control-M/Analyzer utility did not delete any records because no records matching the specification were found in the Control-M/Analyzer Group file.
The utility stops executing with a condition code of 04.
Corrective Action: Specify the correct group name or mask in the GROUP input statement and rerun the jobname.

CTB9BDE UNABLE TO DELETE THE REQUESTED GROUP. PLEASE SPECIFY ASTERISK (*) INSTEAD OF THE VARIABLE NAME
Explanation: The CTBDBVDL Control-M/Analyzer utility could not delete the requested record from the Control-M/Analyzer Group file because the specified group still contains variables.
The utility stops executing with a condition code of 20.
Corrective Action: Specify asterisk instead of the variable name in the VARIABLE input statement and rerun the job.
**CTB9BEE NO CRITERIA SPECIFIED. UNABLE TO CONTINUE PROCESSING**

**Explanation:** The CTDBDBVL Control-M/Analyzer utility is unable to continue processing because no input statements were specified.

The utility stops executing with a condition code of 28.

**Corrective Action:** Specify input statements and rerun the job.

**CTB9BFS OPEN OF SYSIN FAILED. CHECK DD CARD "DACMD"**

**Explanation:** The CTDBDBVL Control-M/Analyzer utility failed to open the input file referenced by the SYSIN DD statement.

This failure may be due to one of the following:

- The SYSIN DD statement or the DACMD DD statement is missing.
- The data set referenced by the SYSIN DD statement cannot be accessed for sequential read.

The utility stops executing with a condition code of 28.

**Corrective Action:** Correct the JCL and rerun the job.

**CTB9C0I CONTROL-M/ANALYZER ACTIVE BALANCING FILE FORMATTING STARTED**

**Explanation:** This information message indicates that the Control-M/Analyzer Active Balancing file is currently being formatted by the CTBFRM program, which is usually activated as part of the New Day procedure.

**Corrective Action:** No action is required.

**CTB9C1I Control-M/ANALYZER ACTIVE BALANCING FILE FORMATTING ENDED**

**Explanation:** This information message indicates that formatting of the Control-M/Analyzer Active Balancing file by the CTBFRM program ended successfully.

**Corrective Action:** No action is required.

**CTB9C2I PREVIOUS FORMAT RUN FAILED. BACKUP COPY WILL BE USED**

**Explanation:** This information message indicates that the Control-M/Analyzer New Day procedure is currently being rerun after abending which formatting the Active Balancing file.

The Active Balancing file is restored from the Active Balancing Backup file and processing continues normally.

**Corrective Action:** No action is required.
CTB9C3S OPEN OF CONTROL-M/ANALYZER ACTIVE BALANCING FILE FAILED. DDNAME "DAABF"

**Explanation:** Open of the Control-M/Analyzer Active Balancing file failed (the DAABF DD statement). This error message is issued by the CTBFRM program, which is usually activated as part of the New Day procedure, and is due to one of the following:

- The DAABF DD statement is missing.
- The data set referenced by the DAABF DD statement is not the Control-M/Analyzer Active Balancing file.

Program execution stops with a nonzero condition code.

**Corrective Action:** Correct the New Day procedure JCL and rerun the procedure.

CTB9C4S INTERNAL ERROR WHILE PROCESSING ACTIVE BALANCING FILE. FILE NOT FORMATTED

**Explanation:** Processing of the Control-M/Analyzer Active Balancing file failed. This error message is issued by the CTBFRM program, which is usually activated as part of the New Day procedure.

Program execution stops with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9C5S INTERNAL ERROR FROM THE CTBDBF ROUTINE. RC= rc

**Explanation:** Processing of the Control-M/Analyzer Active Balancing Backup file failed. This error message is issued by the CTBFRM program, which is usually activated as part of the New Day procedure. It is caused by an error during initialization of the Active Balancing file.

Program execution stops with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9C6S INTERNAL ERROR DURING INITIALIZATION. ACTIVE BALANCING FILE NOT FORMATTED

**Explanation:** Processing of the Control-M/Analyzer Active Balancing Backup file failed. This error message is issued by the CTBFRM program, which is usually activated as part of the New Day procedure. It is caused by an error during reading of the Control-M/Analyzer parameters.

One of the following may occur, depending on the situation:

- Program execution stops with a condition code of 16 indicating failure to load the CTBINFO routine.
- Program execution stops with a condition code of 20 indicating failure to load the CTBINI routine.
- Program execution stops with some other nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.
CTB9C7S INSUFFICIENT MEMORY TO FORMAT THE
CONTROL-M/ANALYZER ACTIVE BALANCING FILE

Explanation: Insufficient memory is available for the CTBFRM program to format the Control-M/Analyzer
Active Balancing file. Clarification program CTBFRM is usually activated as part of the New Day procedure.
The utility stops executing with a condition code of 12.
Corrective Action: Increase the REGION size and rerun the New Day procedure.

CTB9C8S READING OF THE ACTIVE BALANCING BACKUP FILE FAILED

Explanation: An error occurred while reading the Control-M/Analyzer Active Balancing Backup file by the
CTBFRM program, which is usually activated as part of the New Day procedure.
The utility stops executing with a nonzero condition code.
Corrective Action: Notify your INCONTROL administrator.

CTB9C9S INVALID JOB ID IN ACTIVE BALANCING FILE RECORD: BLOCK= block
RECORD= record

Explanation: The CTBFRM program encountered an invalid job ID in a record in the Control-M/Analyzer
Active Balancing file. The CTBFRM program is usually activated as part of the New Day procedure.
The record that contains the error is deleted. The utility continues executing with the next record.
Corrective Action: Notify your INCONTROL administrator.

CTB9CAS INVALID ODATE IN ACTIVE BALANCING FILE RECORD: BLOCK= blk
RECORD= record

Explanation: The CTBFRM program encountered an invalid ODATE in a record in the Control-M/Analyzer
Active Balancing file. The CTBFRM program is usually activated as part of the New Day procedure.
The record that contains the error is deleted. The utility continues executing with the next record.
Corrective Action: Notify your INCONTROL administrator.

CTB9CBS CONTROL-M/ANALYZER DATE CONTROL RECORD IS EMPTY

Explanation: The CTBFRM program encountered an empty Date Control Record. The CTBFRM program
is usually activated as part of the New Day procedure.
The problem may be due to one of the following:

- The record referenced by the DACHK DD statement is not the Control-M/Analyzer Date Control
  Record.
- The contents of the Date Control Record have been manually modified incorrectly.
The utility stops executing with a condition code of 28.
Corrective Action: Depending on the cause of the problem, do one of the following:
Correct the JCL for the New Day procedure and rerun the procedure.
Correct the Date Control Record and rerun the New Day procedure.

**CTB9CCS OPEN OF CONTROL-M/ANALYZER DATE CONTROL RECORD FAILED. DDNAME "DACHK"**

**Explanation:** The file containing the Control-M/Analyzer Date Control Record could not be opened. This message is issued by the CTBFRM program, which is usually activated as part of the New Day procedure.

The problem may be due to one of the following:

- The record referenced by the DACHK DD statement is not the Control-M/Analyzer Date Control Record.
- The DACHK DD statement is missing.
- An internal error occurred during opening of the file referenced by the DACHK DD statement.

The utility stops executing with a condition code of 32.

**Corrective Action:** Correct the JCL for the New Day procedure and rerun the procedure.

**CTB9CDS INVALID LAST FORMAT DATE IN THE DATE CONTROL-RECORD**

**Explanation:** The last date in the Control-M/Analyzer Date Control Record has an invalid format. The valid format is ddmmyy. This message is issued by the CTBFRM program which is usually activated as part of the New Day procedure.

The problem may be due to one of the following:

- The record referenced by the DACHK DD statement is not the Control-M/Analyzer Date Control Record.
- The contents of the Date Control Record have been manually modified incorrectly.

The utility stops executing with a condition code of 36.

**Corrective Action:** Depending on the cause of the problem, do one of the following:

- Correct the JCL for the New Day procedure and rerun the procedure.
- Correct the format of the Date Control Record and rerun the New Day procedure.

**CTB9CES INVALID ORIGINAL SCHEDULING DATE IN THE DATE CONTROL RECORD**

**Explanation:** The original scheduling date in the Control-M/Analyzer Date Control Record has an invalid format. The valid format is ddmmyy. This message is issued by the CTBFRM program, which is usually activated as part of the New Day procedure.

The problem may be due to one of the following:

- The record referenced by the DACHK DD statement is not the Control-M/Analyzer Date Control Record.
- The contents of the Date Control Record have been manually modified incorrectly.

The utility stops executing with a condition code of 40.
Corrective Action: Depending on the cause of the problem, do one of the following:

- Correct the JCL for the New Day procedure and rerun the procedure.
- Correct the format of the Date Control Record and rerun the New Day procedure.

CTB9CFE FORMAT PROGRAM CTBFRM WAS ALREADY RUN TODAY

Explanation: An attempt was made to run the New Day procedure (which executes the CTBFRM format program) twice in the same day. After the CTBFRM program executes successfully, it should not normally be re-executed the same day.

The CTBFRM program stops executing with a condition code of 44. The Active Balancing file is not reformatted. The New Day procedure continues to execute other programs.

Corrective Action: Check the reason that the New Day procedure is being run twice.

CTB9D0S LAST FORMAT DATE GREATER THAN ORIGINAL SCHEDULING DATE IN THE CONTROL-M/ANALYZER DATE CONTROL RECORD

Explanation: The last format date is greater than the original scheduling date in the Control-M/Analyzer Date Control Record. This message is produced by the New Day procedure. For more details, refer to the INCONTROL for z/OS Administrator Guide.

The utility stops executing with a condition code of 48.

Corrective Action: Correct the Control-M/Analyzer Date Control Record and run the New Day procedure again.

CTB9D1S OPEN OF IOA LOG FILE FAILED

Explanation: Open of the IOA Log File failed. The message is produced by the New Day procedure.

The failure may be due to one of the following:

- The DALOG DD statement is missing.
- The file referenced by the DALOG DD statement is not the IOA Log File.
- The file referenced by the DALOG DD statement is the IOA Log File, but from a different version or of a different IOA environment.

The utility stops executing with a condition code of 52.

Corrective Action: Correct the JCL and run the New Day procedure again.

CTB9D2S ENQ ON THE ACTIVE BALANCING FILE FAILED

Explanation: The CTBFRM program, which is usually activated as part of the New Day procedure, could not get exclusive control of the Control-M/Analyzer Active Balancing file, because a Control-M/Analyzer job or mission was executing with exclusive control at the same time. Exclusive control is required for file formatting.

The utility stops executing with a condition code of 56.

Corrective Action: Rerun the New Day procedure when the Active Balancing file is free for exclusive control.
CTB9D3S  INVALID RC FROM CTBIINFO ROUTINE:  RC= rc, JOBNAME= jobName

**Explanation:** The New Day procedure could not detect the status of the indicated job in the Control-M/Analyzer Active Balancing file. The job is not deleted because it may still be executing.

The job is not deleted. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9D4S  OPEN OF CONTROL-M/ANALYZER ACTIVE BALANCING BACKUP FILE FAILED. DDNAME "DABKP"

**Explanation:** Open of Control-M/Analyzer Active Balancing Backup file failed (the DABKP DD statement). This error message is issued by the CTBFRM program, which is usually activated as part of the New Day procedure.

Probable causes:

- The DABKP DD statement is missing.
- The data set referenced by the DABKP DD statement is not the Control-M/Analyzer Active Balancing file.

Program execution stops with a nonzero condition code.

**Corrective Action:** Correct the JCL for the New Day procedure and rerun the procedure.

CTB9D5S  INTERNAL ERROR WHILE PROCESSING ACTIVE BALANCING Backup File. Formatting Failed

**Explanation:** Processing of the Control-M/Analyzer Active Balancing Backup file failed. This message is issued by the CTBFRM program which is usually activated as part of the New Day procedure.

Program execution stops with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9D6S  ERROR OPENING SYSPRINT

**Explanation:** An error occurred while opening the print file referenced by the SYSPRINT DD statement. This message is issued by the CTBFRM program which is usually activated as part of the New Day procedure.

The error may be due to one of the following:

- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for sequential write.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.
CTB9D7E THE SIZE OR LRECL PARAMETER OF THE ABFBKP FILE DIFFERS FROM THE ABF FILE

**Explanation:** The CTBFRM Control-M/Analyzer utility detected that the Control-M/Analyzer file for the ABF backup (ABFBKP) was either not large enough for all the records, or that it did not have the same record length as the ABF file.

The CTBFRM utility stops executing with a condition code of 64.

**Corrective Action:** According to the source of the problem, either reallocate the Control-M/Analyzer ABFBKP file with the LRECL parameter the same as that of the ABF file, or increase the size of the ABFBKP file. Rerun the job.

CTB9E1I INFORMATION RECORD HAS BEEN DELETED record

**Explanation:** This information message indicates that in correcting the Job Activity Data file, the CTBJAFIG Control-M/Analyzer utility deleted the record Information record from the file because the record was in error. This message is followed by other messages that display additional information about the deleted record.

**Corrective Action:** No action is required.

CTB9E2I PRIMARY REPORT RECORD HAS BEEN DELETED record

**Explanation:** This information message indicates that in correcting the Report Data file, the CTBJAFIG Control-M/Analyzer utility deleted the record Primary Report record from the file because the record was in error. This message is followed by other messages that display additional information about the deleted record.

**Corrective Action:** No action is required.

CTB9E3I SECONDARY REPORT RECORD HAS BEEN DELETED record

**Explanation:** This information message indicates that in correcting the Report Data file, the CTBJAFIG Control-M/Analyzer utility deleted the record Secondary Report record because the record was in error. This message is followed by other messages that display additional information about the deleted record.

**Corrective Action:** No action is required.

CTB9E4I INVOCATION RECORD HAS BEEN CORRECTED record

**Explanation:** This information message indicates that the CTBJAFIG Control-M/Analyzer utility corrected the record Invocation record in the Rule Activity File because the record had been in error. This message is followed by other messages that display additional information about the deleted record.

**Corrective Action:** No action is required.

CTB9E5I REPORT RECORD HAS BEEN DELETED record

**Explanation:** This information message indicates that in correcting the report file, the CTBJAFIG Control-M/Analyzer utility deleted the record report record from the file because the record was in error. This message is followed by other messages that display additional information about the deleted record.
Corrective Action: No action is required.

CTB9E6S ERROR DURING THE CORRECTION PROCESS BY ROUTINE CTBCKP

Explanation: An error occurred while the CTBJAFIG Control-M/Analyzer utility was trying to correct a record in the Job Activity Data file.

This message is followed by the CTB9E8S message, which displays the failed operation, and by the CTB9E9I message, which displays the error code.

The CTBJAFIG utility continues executing with the next record.

Corrective Action: Notify your INCONTROL administrator.

CTB9E7S ERROR DURING THE CORRECTION PROCESS BY ROUTINE CTBREP

Explanation: An error occurred while the CTBJAFIG Control-M/Analyzer utility was trying to correct a record in the Report Data file.

This message is followed by the CTB9E8S message, which displays the failed operation, and by the CTB9E9I message, which displays the error code.

The CTBJAFIG utility continues executing with the next record.

Corrective Action: Notify your INCONTROL administrator.

CTB9E8S OPERATION IS: opn

Explanation: While the CTBJAFIG Control-M/Analyzer utility was correcting a record, the operation indicated in the message failed.

This message follows the CTB9E7S or CTB9E6S message.

Corrective Action: Notify your INCONTROL administrator.

CTB9E9I RETURN CODE IS: rc

Explanation: This information message displays the return code for the failed operation indicated in the CTB9E8S message. This message follows the CTB9E8S message.

Corrective Action: No action is required.

CTB9EAS INVOCATION RECORD IS NOT IN SEQUENCE

Explanation: While reading the Job Activity Data file, the CTBJAFIG Control-M/Analyzer utility encountered an Invocation record which does not belong to any Job record.

The utility continues executing.

Corrective Action: Notify your INCONTROL administrator.
CTB9EBS INFORMATION RECORD IS NOT IN SEQUENCE

**Explanation:** While reading the Job Activity Data file, the CTBJAFI G Control-M/Analyzer utility encountered an Information record which does not belong to any Invocation record.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9ECS SECONDARY REPORT RECORD IS NOT IN SEQUENCE

**Explanation:** While reading the Report Data file, the CTBJAFI G Control-M/Analyzer utility encountered a Secondary Report record which does not belong to any Primary Report record.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

CTB9EDI APPLICATION GROUP *grpname*

**Explanation:** This information message indicates the group name from the record deleted by the CTBJAFI G Control-M/Analyzer utility.

**Corrective Action:** No action is required.

CTB9EEI JOBNAME *jobName*

**Explanation:** This information message indicates the job name from the record deleted by the CTBJAFI G Control-M/Analyzer utility.

**Corrective Action:** No action is required.

CTB9EFI DATE *date*

**Explanation:** This information message indicates the date from the record deleted by the CTBJAFI G Control-M/Analyzer utility.

**Corrective Action:** No action is required.

CTB9F0I TIME *time*

**Explanation:** This information message indicates the time from the record deleted by the CTBJAFI G Control-M/Analyzer utility.

**Corrective Action:** No action is required.

CTB9F1I JOBID *jobId*

**Explanation:** This information message indicates the job id from the record deleted by the CTBJAFI G Control-M/Analyzer utility.

**Corrective Action:** No action is required.

**Messages CTBA00 through CTBAxx**

This group includes messages for the Control-M/Analyzer product.
CTBA001 CONTROL-M/ANALYZER UTILITY CTBJAFDL STARTED

Explanation: This information message indicates the normal start of the CTBJAFDL utility.
Corrective Action: No action is required.

CTBA01E PLEASE CHECK THE SYNTAX OF STATEMENT stmt

Explanation: The CTBJAFDL or CTBJAFCP utility failed because of a syntax error in the stmt statement. The utility stops executing with a condition code of 08.
Corrective Action: Correct the indicated statement and rerun the job.

CTBA02S ERROR OPENING SYSPRINT

Explanation: The CTBJAFDL or CTBJAFCP utility failed to open the print file referenced by the SYSPRINT DD statement. The failure may be due to one of the following:
- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for a sequential write.
The utility stops executing with a condition code of 16.
Corrective Action: Correct the JCL and rerun the job.

CTBA03S ERROR OPENING SYSIN

Explanation: The CTBJAFDL or CTBJAFCP utility failed to open the input file referenced by the SYSIN DD statement. The failure may be due to one of the following:
- The SYSIN DD statement, or the DACMD DD statement, is missing.
- The data set referenced by the SYSIN DD statement cannot be accessed for a sequential read.
The utility stops executing with a condition code of 16.
Corrective Action: Correct the JCL and rerun the job.

CTBA04S ERROR DURING JAF FILE PROCESSING. OPERATION: opn

Explanation: The CTBJAFDL or CTBJAFCP utility failed to perform the opn operation on the Rule Activity file. The accompanying return code is indicated in the CTBA07I message. If processing of the current record fails, processing continues with the next record. In some cases, for example, if the file could not be opened, processing stops.
Corrective Action: Notify your INCONTROL administrator.

CTBA05S ERROR DURING REPORT FILE PROCESSING. OPERATION: opn

Explanation: The CTBJAFDL or CTBJAFCP utility failed to perform the opn operation on the Control-M/Analyzer report file. The accompanying return code is indicated in the CTBA07I message.
If processing of the current record fails, processing continues with the next record. In some cases, for example if the file could not be opened, processing is stopped.

**Corrective Action:** Notify your INCONTROL administrator.

**CTBA06S DDNAME: dd/Name, REQUESTED FUNCTION CANNOT BE PERFORMED SINCE FILE IS BEING ACCESSED BY ANOTHER USER**

**Explanation:** The CTBJ AFDL or CTBJ AFCP Control-M/Analyzer utility could not lock a database file referenced by the DD name in the DD statement when trying to update it.

The CTBJ AFDL or CTBJ AFCP Control-M/Analyzer utility stops execution with a nonzero return code.

**Corrective Action:** Check the reason for a conflict and rerun the Control-M/Analyzer utility after the concurrent applications have finished running.

**CTBA07I RC= rc**

**Explanation:** This information message indicates the return code resulting from execution of the CTBJ AFDL or CTBJ AFCP utility.

**Corrective Action:** No action is required.

**CTBA08E FIRST INPUT STATEMENT FOR CONTROL-M/ANALYZER UTILITY CTBJ AFDL MUST BE A "DAYS" STATEMENT**

**Explanation:** The first input statement for the CTBJ AFDL utility must be, but was not, statement DAYS. The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the input statement and rerun the job.

**CTBA09S ERROR DURING FREEMAIN OPERATION**

**Explanation:** The CTBJ AFDL or CTBJ AFCP utility failed to perform a FREEMAIN operation. The accompanying return code is indicated in the CTBA07I message. The utility stops executing.

**Corrective Action:** Notify your INCONTROL administrator.

**CTBA0AI THE FOLLOWING JOB RECORDS HAVE BEEN DELETED:**

**Explanation:** This information message indicates the successful deletion of jobs by the CTBJ AFDL utility. This message precedes the CTBA11I, CTBA12I, and CTBA13I messages, which display the list of deleted jobs.

**Corrective Action:** No action is required.

**CTBA0BI num JOB RECORDS HAVE BEEN COPIED**

**Explanation:** This information message indicates the number of job entries that have been copied to the target Rule Activity file by the CTBJ AFCP Control-M/Analyzer utility.

**Corrective Action:** No action is required.
CTBA0CI  num PRIMARY REPORT RECORDS HAVE BEEN COPIED

Explanation: This information message indicates the number of primary report entries that have been copied to the target report file by the CTBJAFCP Control-M/Analyzer utility.

Corrective Action: No action is required.

CTBA0DE JOB ACTIVITY FILE IS FULL. PLEASE RUN CONTROL-M/ANALYZER UTILITY CTBJAFDL

Explanation: The CTBJAFCP utility failed to copy of the Rule Activity file because the target file is full. The accompanying return code is indicated in the CTBA07I message.
The utility stops executing.

Corrective Action: Compress the Report file by running the CTBJAFDL Control-M/Analyzer utility.

CTBA0EE REPORT FILE IS FULL. PLEASE RUN CONTROL-M/ANALYZER UTILITY CTBJAFDL

Explanation: The CTBJAFCP utility failed to copy of the Rule Activity file because the target file is full. The accompanying return code is indicated in the CTBA07I message.
The utility stops executing.

Corrective Action: Compress the Report file by running the CTBJAFDL utility.

CTBA0FI num JOB RECORDS HAVE BEEN DELETED

Explanation: This information message indicates the number of job entries that were deleted from the Rule Activity File by the CTBJAFDL Control-M/Analyzer utility.

Corrective Action: No action is required.

CTBA12I | JOBNAME | JOBID | DATE | TIME |

Explanation: This information message consists of a series of titles for the information provided in the CTBA13I message.

Corrective Action: No action is required.

CTBA13I /jobName/jobId/date/time/

Explanation: The CTBA12I and CTBA13I information messages form a chart listing job entries that were deleted from the Rule Activity file by the CTBJAFDL Control-M/Analyzer utility.
The CTBA13I message is repeated once for each job entry that was deleted.

Corrective Action: No action is required.

CTBA16I CONTROL-M/ANALYZER UTILITY CTBJAFCP STARTED

Explanation: This information indicates the normal start of the CTBJAFCP Control-M/Analyzer utility.

Corrective Action: No action is required.
CTBA17S INSUFFICIENT STORAGE TO RUN CONTROL-M/ANALYZER UTILITY CTBJAFDL

**Explanation:** The CTBJAFDL utility requires more memory to compress the Rule Activity file and the report file.

The utility stops executing with a condition code of 12.

**Corrective Action:** Increase the REGION size and rerun the job.

CTBA18S INSUFFICIENT STORAGE TO RUN CONTROL-M/ANALYZER UTILITY CTBJAFCP

**Explanation:** The CTBJAFCP utility requires more memory to copy the Rule Activity file and the report file.

The utility stops executing with a condition code of 12.

**Corrective Action:** Increase the REGION size and rerun the job.

CTBA22S UNABLE TO OPEN FILE. FORMAT FAILED

**Explanation:** The CTBDBF4 Control-M/Analyzer utility failed to open the target file referenced by the DAOUT DD statement.

The failure may be due to one of the following:

- The DAOUT DD statement is missing.
- The data set referenced by the DAOUT DD statement does not exist.

The utility terminates with a condition code of 116.

**Corrective Action:** Correct the JCL and rerun the job.

CTBA23S ERROR OPENING SYSPRINT. UNABLE TO CONTINUE PROCESSING

**Explanation:** The CTBDBF4 Control-M/Analyzer utility failed to open the print file referenced by the SYSPRINT DD statement.

The failure may be due to one of the following:

- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for a sequential write.

The utility terminates with a condition code of 120.

**Corrective Action:** Correct the JCL and rerun the job.

CTBA24S INSUFFICIENT STORAGE TO RUN FORMAT

**Explanation:** The CTBDBF4 Control-M/Analyzer utility requires more memory to format the target file.

The utility terminates with a condition code of 112.

**Corrective Action:** Increase the REGION size and rerun the job.
CTBA30I A PROBLEM WAS FOUND IN LINE lin

Explanation: This information message indicates that the lin input line was erroneous. An error message detailing the problem follows this message.

Corrective Action: No action is required.

CTBA31E INVALID LINE. item=VALUE EXPECTED

Explanation: The line structure was not in the format item=value. Input lines with parameters for the CTBVXRF cross-reference utility must be formatted item=value.

The CTBVXRF cross-reference utility terminates with an error.

Corrective Action: Correct the utility parameters and rerun the utility.

For more information, see the CTBVXRF cross-reference utility in the INCONTROL for z/OS Utilities Guide.

CTBA32E AN INPUT LINE OF THE FORM LIB=rule-lib IS EXPECTED

Explanation: The input statement to the CTBVXRF cross-reference utility did not include the parameter identified in the message.

The CTBVXRF cross-reference utility terminates with an error.

Corrective Action: Correct the error and rerun the CTBVXRF utility.

For more information, see the CTBVXRF cross-reference utility in the INCONTROL for z/OS Utilities Guide.

CTBA33E AN INPUT LINE OF THE FORM RULE=NAME-MASK IS EXPECTED

Explanation: The input statement to the CTBVXRF cross-reference utility did not include the parameter identified in the message.

The CTBVXRF cross-reference utility terminates with an error.

Corrective Action: Correct the error and rerun the CTBVXRF utility.

For more information, see the CTBVXRF cross-reference utility in the INCONTROL for z/OS Utilities Guide.

CTBA34E AN INPUT LINE OF THE FORM SORT=RULE/VAR IS EXPECTED

Explanation: The input statement to the CTBVXRF cross-reference utility did not include the parameter identified in the message.

The CTBVXRF cross-reference utility terminates with an error.

Corrective Action: Correct the error and rerun the CTBVXRF utility.

For more information, see the CTBVXRF cross-reference utility in the INCONTROL for z/OS Utilities Guide.

CTBA35E AN INPUT LINE OF THE FORM BLOCKS=YES/NO IS EXPECTED

Explanation: The current input line specified an unexpected parameter. The input to cross-reference The CTBVXRF utility consists of parameters specified in a predefined order.

The CTBVXRF cross-reference utility terminates with an error.
**Corrective Action:** Correct the error and rerun the CTBVXRF utility. See the CTBVXRF cross-reference utility in the *INCONTROL for z/OS Utilities Guide* for more information.

CTBA36E INCORRECT SORT OPTION. SPECIFY "RULE" OR "VAR"

**Explanation:** The sort option was incorrect. The Cross-Reference Report may be sorted either by rule name (option RULE) or by variable name (option VAR).

The CTBVXRF cross-reference utility terminates with an error.

**Corrective Action:** Correct the error and rerun the utility.

For more information, see the CTBVXRF cross-reference utility in the *INCONTROL for z/OS Utilities Guide*.

CTBA37E INCORRECT BLOCKS OPTION, SPECIFY "YES" OR "NO"

**Explanation:** The value of the BLOCKS option for the CTBVXRF cross-reference utility was not YES or NO.

The BLOCKS option specifies whether or not to include the block name in the cross-reference report. Its value must be YES or NO.

The CTBVXRF cross-reference utility terminates with an error.

**Corrective Action:** Correct the error and rerun the utility. For more information, see the CTBVXRF cross-reference utility in the *INCONTROL for z/OS Utilities Guide*.

CTBA3AI CONTROL-M/ANALYZER UTILITY CTBDBVCG STARTED

**Explanation:** This information message indicates that the CTBDBVCG Control-M/Analyzer utility, which changes the number of generations, has started running.

**Corrective Action:** No action is required.

CTBA3BE INVALID GROUP CRITERIA SPECIFIED

**Explanation:** The CTBDBVCG Control-M/Analyzer utility detected an error in the GROUP input statement. The CTBDBVCG Control-M/Analyzer utility stops executing with a condition code of 32.

**Corrective Action:** Correct the GROUP input statement and rerun the job. For more information, see the description of the GROUP input statement in the *Control-M/Analyzer User Guide*.

CTBA3CE INVALID VARIABLE CRITERIA SPECIFIED

**Explanation:** The CTBDBVCG Control-M/Analyzer utility detected an error in the VARIABLE input statement. The CTBDBVCG Control-M/Analyzer utility stops executing with a condition code of 32.

**Corrective Action:** Correct the VARIABLE input statement and rerun the job. For more information, see the description of the VARIABLE input statement in the *Control-M/Analyzer User Guide*.

CTBA3DS INTERNAL ERROR READING DATABASE RECORD. ERROR CODE rc

**Explanation:** Processing of the Control-M/Analyzer Model failed.
The utility stops executing with a nonzero condition code.

**Corrective Action:** Provide your INCONTROL administrator with the sysout of the CTBDBVCG utility.

**CTBA3ES INTERNAL ERROR UPDATING DATABASE RECORD, ERROR CODE rc**

**Explanation:** Processing of the Control-M/Analyzer Variables Definition or Variables Generations failed. The utility stops executing with a nonzero condition code.

**Corrective Action:** Provide your INCONTROL administrator with the sysout of the CTBDBVCG utility.

**CTBA3FS INSUFFICIENT SPACE IN THE CONTROL-M/ANALYZER VAR FILE**

**Explanation:** The CTBDBVCG utility could not update the Control-M/Analyzer Variables Generations file because it was full.

The CTBDBVCG utility stops executing with a nonzero condition code.

**Corrective Action:** Enlarge the Control-M/Analyzer Variables Generations file or decrease the value of the NUMGEN input parameter and rerun the job.

**CTBA40S INSUFFICIENT SPACE IN THE CONTROL-M/ANALYZER MOD FILE**

**Explanation:** The CTBDBVCG utility could not update the Control-M/Analyzer Variables Definition file because it was full.

The CTBDBVCG utility stops executing with a nonzero condition code.

**Corrective Action:** Enlarge the Control-M/Analyzer Variables Definition file or decrease the value of the NUMGEN input parameter and rerun the job.

**CTBA41E INVALID NUMGEN PARAMETER SPECIFIED**

**Explanation:** The CTBDBVCG Control-M/Analyzer utility detected an error in the NUMGEN input statement.

The CTBDBVCG Control-M/Analyzer utility stops executing with a condition code of 32.

**Corrective Action:** Correct the NUMGEN input statement and rerun the job. For more information, see the description of the NUMGEN input statement in the *Control-M/Analyzer User Guide*.

**CTBA42S OPEN OF SYSIN FAILED. CHECK DD CARD "DACMD"**

**Explanation:** The CTBDBVCG Control-M/Analyzer utility failed to open the input file referenced by the DACMD DD statement.

Possible causes are:

- The DACMD DD statement is missing.
- The data set referenced by the DACMD DD statement cannot be written to sequentially.

The utility stops executing with a condition code of 16.

**Corrective Action:** Correct the JCL accordingly and rerun the job.
CTBA43S ERROR OPENING CONTROL-M/ANALYZER DATABASE

**Explanation:** The CTBDBVCG Control-M/Analyzer utility failed to open the Control-M/Analyzer database. The utility stops executing with a nonzero condition code.

**Corrective Action:** Verify that the correct Control-M/Analyzer database was allocated to the CTBDBVCG utility and rerun the job.

CTBA44S INSUFFICIENT STORAGE TO RUN CONTROL-M/ANALYZER UTILITY CTBDBVCG

**Explanation:** There is insufficient memory for the CTBDBVCG Control-M/Analyzer utility to update the database.

The CTBDBVCG utility stops executing with a condition code of 12.

**Corrective Action:** Increase the region size for the CTBDBVCG utility, and rerun the job.

CTBA45S OPEN OF SYSPRINT FAILED. CHECK DD CARD "DCBOUT"

**Explanation:** The CTBDBVCG Control-M/Analyzer utility failed to open the print file referenced by the DCBOUT DD statement.

The failure might be due to one of the following reasons:

- The DCBOUT DD statement is missing.
- The data set referenced by the DCBOUT DD statement cannot be written to sequentially.

The CTBDBVCG utility stops executing with a condition code of 8.

**Corrective Action:** Correct the JCL accordingly and rerun the job.

CTBA46I NO INPUT PARAMETERS SPECIFIED. SYSIN FILE IS EMPTY

**Explanation:** This information message indicates that no input statements were specified for the CTBDBVCG Control-M/Analyzer utility.

The CTBDBVCG utility stops executing with a condition code of 4.

**Corrective Action:** Insert GROUP and/or VARIABLE input statements in the JCL and rerun the job.

CTBA47I NO CONTROL-M/ANALYZER VARIABLES SATISFIED THE SPECIFIED CRITERIA

**Explanation:** This information message indicates that the CTBDBVCG Control-M/Analyzer utility found no database records that satisfy the specified input criteria.

The CTBDBVCG utility stops executing with a condition code of 4.

**Corrective Action:** Correct the GROUP and/or VARIABLE input statements in the JCL and rerun the job.

Messages CTBB00 through CTBBxx

This group includes messages for the Control-M/Analyzer product.
CTBB01S ERROR OCCURRED WHILE PROCESSING FILE fileName IN MSUBSTMASK

**Explanation:** The MSUBSTMASK function failed to process the `fileName` file.

Possible causes are:

- The DD statement for the file is missing
- The data set referenced by the DD statement cannot be read sequentially.

The Control-M/Analyzer runtime environment terminates with an error.

**Corrective Action:** Correct the JCL and rerun the job.

CTBB02S USERBLOCK `usrblk` IN ON_COMPARE IS NOT DECLARED

**Explanation:** The `usrblk` userblock is not specified in the current Control-M/Analyzer rule. An ON_COMPARE statement referenced a nonexistent user block.

The Control-M/Analyzer runtime environment ends with an error.

**Corrective Action:** Correct the reference and re-invoke Control-M/Analyzer.

CTBB03S ERROR WHILE PROCESSING USERBLOCK `usrblk` IN ON_COMPARE

**Explanation:** Control-M/Analyzer encountered an error while processing the `usrblk` userblock during execution of an ON_COMPARE statement.

The Control-M/Analyzer runtime environment ends with an error.

**Corrective Action:** Correct the error and restart Control-M/Analyzer.

CTD messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages CTD0 through CTD0xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTD0001 Control-V GLOBAL INDEX `utilityName` STARTED

**Explanation:** This information message indicates that the `utilityName` Global Index utility started.

**Corrective Action:** No action is required.

CTD001E PLEASE FILL IN LIBRARY NAME

**Explanation:** The library name is missing. The LIBRARY field must contain data.
Corrective Action: Enter a name for the library.

CTD001I Control-V GLOBAL INDEX utilityName ENDED OK
Explanation: This information message indicates that the utilityName Global Index utility finished successfully.
Corrective Action: No action is required.

CTD001S UNABLE TO OPEN BUNDLE TRACKING FILE.
Explanation: The CTDTBTR (Bundle Tracking System screen) program failed to open the Bundle Tracking file.
The CTDTBTR program ends.
Corrective Action: Check the messages in the sysout of the program, and correct the problem accordingly. Return to the Bundle Tracking System screen (DT screen).

CTD002E PLEASE FILL IN MEMBER NAME
Explanation: Missing member name. The MEMBER field is obligatory (tree name).
Corrective Action: Fill in the member name.

CTD003E MEMBER IS NOT A VALID RECIPIENT TREE
Explanation: The MEMBER entered is not a valid Recipient Tree.
Corrective Action: Fill in a member name which is a valid Recipient Tree.

CTD004E LIBRARY AND MEMBER NAME MUST BE ENTERED
Explanation: This is one of two messages with the same ID, but different text.
LIBRARY and MEMBER specifications are missing. The LIBRARY and MEMBER fields are obligatory.
Corrective Action: Fill in the LIBRARY and MEMBER fields.

CTD004E INVALID DO= FUNCTION SPECIFIED
Explanation: This is one of two messages with the same ID, but different text.
The function specified in a DO statement is not valid.
The current utility stops.
Corrective Action: Correct the function name in the DO statement and rerun the job.

CTD005E MEMBER IS IN USE BY ANOTHER USER
Explanation: This is one of two messages with the same ID, but different text.
Another Control-D user is currently working on the member tree. Two users cannot work on the same member simultaneously.
Corrective Action: Try again later.
CTD005E INVALID PARAMETER: parm

Explanation: This is one of two messages with the same ID, but different text.
The parm input parameter for the CTVUPGDB or CTDDBPRT utility is not valid.
The utility stops.
Corrective Action: Correct the invalid input parameter and rerun the job.

CTD006E REDUNDANT PARAMETER: parm

Explanation: The parm input parameter for the CTVUPGDB or CTDDBPRT utility was already specified.
The same parameter is specified twice.
The utility stops.
Corrective Action: Delete the extra input parameter from the JCL and rerun the job.

CTD006S MEMBER IS EMPTY

Explanation: The designated Recipient Tree member does not contain any data.
Corrective Action: Delete this member from the library, then enter this member again.

CTD007E ERROR IN PARAMETERS: FODATE IS HIGHER THAN TODATE

Explanation: The specified starting order date FODATE is later than the specified ending order date TODATE.
The utility stops.
Corrective Action: Fix the value of either FODATE or TODATE in the JCL and rerun the job.

CTD007S INSUFFICIENT STORAGE TO LOAD RECIPIENT TREE MEMBER

Explanation: Insufficient storage to load the member (the tree).
Corrective Action: Do one of the following:
  ▪ Log on again using a larger SIZE parameter.
  ▪ If you are using many Control-D screens concurrently, exit some of them using the END command.

CTD008E PLEASE FILL IN A VALID OPTION - "Y" OR "N"

Explanation: This is one of two messages with the same ID, but different text.
Invalid option. The valid options are:
  ▪ Y (Yes)
  ▪ N (No)
Corrective Action: Select Y or N.

CTD008E INVALID DATE SPECIFIED: date

Explanation: This is one of two messages with the same ID, but different text.
Either the starting order date FODATE or the ending order date TODATE is invalid. The correct format is DD/MM/YY.

In this message, date is the problematic FODATE or TODATE date.

The utility stops.

**Corrective Action:** Correct the value of the incorrect ODATE parameter and rerun the job.

**CTD009E ONE (AND ONLY ONE) EXIT OPTION MUST BE MARKED AS "Y"**

**Explanation:** Two exit options are marked as Y (Yes). Only one EXIT OPTION field can be marked as Y.

**Corrective Action:** Mark Y or N in one of the EXIT OPTION fields.

**CTD00AE MEMBER IS NOT A VALID APPROVAL TREE**

**Explanation:** The MEMBER entered is not a valid Approval Tree.

**Corrective Action:** Fill in a member name which is a valid Approval Tree.

**CTD00BE INVALID PARAMETERS**

**Explanation:** A parameter in the SYSIN stream for the CTVUPGDB utility is invalid. The error is detected during analysis of input parameters.

The CTVUPGDB utility stops.

**Corrective Action:** Check other messages for the utility to identify and fix the problem, and rerun the CTVUPGDB utility.

**CTD00CE THE PARAMETER parm MUST BE SPECIFIED**

**Explanation:** The parm input parameter for the CTVUPGDB utility is missing. The CTVUPGDB utility requires the parm parameter.

The CTVUPGDB utility stops.

**Corrective Action:** Insert the missing parameter in the JCL and rerun the job.

**CTD00DE ERROR OPENING GLOBAL INDEX DATABASE. RC= rc**

**Explanation:** The current utility or IOA application server could not open the Global Index database. Global Index processing stops.

**Corrective Action:** Do the following:

- If rc is 0 (meaning OK), examine the file names for the DAGIR and DAGIRI DD statements. Correct them, if necessary, and rerun the job.

- If rc is not 0, for possible return code values and their meanings, see:
  - if the Global Index is an IOA Access Method file, the GIX010E message
  - if the Global Index is a DB2 database, the CTDGI0S message
Examine the IOA log for messages clarifying the error.
Correct the problem, and rerun the job.
If the problem persists, contact your INCONTROL administrator.

CTD010S THE REQUESTED ENTRY NAME WAS NOT FOUND

Explanation: The requested recipient name for this level was not found in the tree. The Recipient Tree may contain hundreds, or thousands, of report recipients. To directly display a specific recipient in the tree, fill in the recipient name, or name prefix, next to the appropriate level.

Corrective Action: Enter a new recipient name at this level, or at some other level. If the recipient name is still not found, enter the tree without entering a recipient name, and use the FIND command to find the requested recipient.

CTD011S INSUFFICIENT STORAGE TO BUILD APPROVAL TREE MEMBER

Explanation: There is insufficient storage to build the Approval Tree member.

Corrective Action: Do one of the following:
- Log on again using a larger SIZE parameter.
- If you are using many Control-D screens concurrently, exit some of them using the END command.

CTD012S INTERNAL PROGRAM ERROR. NOTIFY THE IOA ADMINISTRATOR

Explanation: Internal Control-D error while processing Recipient Tree.
Possible causes are:
- The member requested is not a Recipient Tree (although its structure is very similar to one).
- There is an internal Control-D error.

Corrective Action: Use the following procedure to correct this problem:
1. Check the IOA log for other messages to determine the cause of the failure.
2. Fix the Recipient Tree
3. Rerun the process that issued the message
4. If the problem persists, collect all information related to the cause of the message and contact BMC Software Customer Support

CTD013E PLEASE ENTER A VALID OPTION

Explanation: An invalid option has been entered.
Valid options are:
- D - delete
- I - insert
- S - add synonym
- F - see or hide parent

**Corrective Action:** Enter a valid option.

**CTD014E PLEASE ENTER A VALID LEVEL**

**Explanation:** The Recipient Tree level is invalid. The Recipient Tree level must be a two-character code as shown on the third line of the screen.

**Corrective Action:** Enter a valid Recipient Tree level.

**CTD015E PLEASE ENTER A VALID NAME**

**Explanation:** The recipient name is invalid. The recipient name must be unique in the tree. It can be up to 8 characters. Embedded blanks are not allowed.

**Corrective Action:** Enter a valid recipient name.

**CTD016E PLEASE ENTER A VALID SYNONYM**

**Explanation:** The synonym is invalid. Synonyms can be up to 20 characters. Embedded blanks are allowed.

**Corrective Action:** Enter a valid synonym.

**CTD017E PLEASE ENTER A VALID PARENT NAME**

**Explanation:** The parent name is invalid. The parent of the current recipient can be up to 8 characters. Embedded blanks are not allowed.

**Corrective Action:** Enter a valid parent name.

**CTD018E PLEASE ENTER A VALID SELECTION VALUE (Y/N)**

**Explanation:** The level selection value option is invalid. Valid selection values are:

- Y - display recipients of the level
- N - do not display recipients of the level

**Corrective Action:** Enter either Y or N.

**CTD019E AT LEAST ONE OF THE SELECTIONS MUST BE "Y"**

**Explanation:** None of the level selection values are marked as Y. At least one of the level selection values must be Y.

**Corrective Action:** Enter Y for one of the level selections.
CTD020E RECIPIENT NAME NOT ENTERED IN ENTRY SCREEN

Explanation: The NEXT command was entered but no recipient has been specified in the Entry Panel.
Corrective Action: Locate the recipient name using the FIND command.

CTD021E BOTTOM OF DATA REACHED

Explanation: The bottom of the Recipient Definition Tree screen has been reached while performing a NEXT command.
Corrective Action: Use the scrolling conventions to scroll backward and forward.

CTD022I NEXT NAME FOUND

Explanation: This information message indicates that the recipient specified in the entry panel was found after the NEXT command and the recipient can be found at the top of the screen.
Corrective Action: No action is required.

CTD023E CTVGDB FAILED RC= rc

Explanation: The CTVGDB routine invoked by CTVUPGDB ended with errors.
CTVUPGDB issues this message whenever the CTVGDB routine it invokes ends with a return code other than 0.

Possible values for $rc$ from CTVGDB, and their meanings, are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>4</td>
<td>End of file. No values for subindex.</td>
</tr>
<tr>
<td>8</td>
<td>Error during open</td>
</tr>
<tr>
<td>12</td>
<td>Error during close</td>
</tr>
<tr>
<td>16</td>
<td>Error during GETMAIN operation</td>
</tr>
<tr>
<td>20</td>
<td>Error during FREEMAIN operation</td>
</tr>
<tr>
<td>24</td>
<td>Error during dynamic allocation</td>
</tr>
<tr>
<td>28</td>
<td>Error during dynamic deallocation</td>
</tr>
<tr>
<td>32</td>
<td>Error during load</td>
</tr>
<tr>
<td>36</td>
<td>DBO error message</td>
</tr>
<tr>
<td>40</td>
<td>Internal error in path tree</td>
</tr>
</tbody>
</table>
CTVUPGDB ends with a return code of 08.

**Corrective Action:** Check the meaning of the return-code from CTVGDB to identify and fix the problem, and rerun the job. If necessary, contact your INCONTROL administrator.

**CTD023I NEXT NAME FOUND, BUT THIS LEVEL IS NOT BEING DISPLAYED**

**Explanation:** This information message indicates that the recipient name found by the NEXT command cannot be displayed because its level is specified as N in the level selection line.

**Corrective Action:** Enter Y in the level selection line.

**CTD024E PLEASE ENTER THE PARENT LEVEL, OR ERASE THE PARENT NAME**

**Explanation:** This is one of two messages with the same ID, but different text.

The parent name has been entered, but the parent level is missing. The parent level is obligatory with the parent name.

**Corrective Action:** Enter the parent level, or erase the parent name.

**CTD024E parm PARAMETER INVALID. ONLY YES OR NO IS VALID**

**Explanation:** This is one of two messages with the same ID, but different text.

The value of the parm input parameter is invalid. The value of the parm parameter must be YES or NO.

The current utility stops.

**Corrective Action:** Fix parm in the JCL and rerun the utility.

**CTD025E PLEASE ENTER THE PARENT NAME, OR ERASE THE PARENT LEVEL**

**Explanation:** The parent level has been entered, but the parent name is missing. The parent name is obligatory with the parent level.

**Corrective Action:** Enter the parent name, or erase the parent level.

---

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>Internal error during OPENSUB operation</td>
</tr>
<tr>
<td>48</td>
<td>Internal error. Path not found for sort record</td>
</tr>
<tr>
<td>52</td>
<td>Sort failed</td>
</tr>
<tr>
<td>56</td>
<td>GIM error message</td>
</tr>
<tr>
<td>60</td>
<td>Two paths with different index names</td>
</tr>
<tr>
<td>64</td>
<td>Sort file is full</td>
</tr>
</tbody>
</table>
CTD025W MAXIMUM NUMBER OF PROCESSED INDEXES procIndex REACHED. PROCESSING STOPPED

Explanation: The CTVUPGDB utility tried to add another main index to the Global Index database when it had already added the maximum number for this run. The MAXINDX parameter defines the maximum number of indexes that may be added to the Global Index database in each run of the CTVUPGDB utility.

The utility adds MAXINDX main indexes and ends with a return code of 04. Other indexes will be added during the next run of the CTVUPGDB utility.

Increase the value of the MAXINDX parameter and run the CTVUPGDB utility again.

Corrective Action: No action is required.

CTD026E parm PARAMETER INVALID. ONLY YES, NO OR ALL IS VALID

Explanation: The value of the parm input parameter is invalid. The value of the parm parameter must be YES, NO, or ALL.

The current utility stops.

Corrective Action: Correct the parm input parameter in the JCL, and rerun the utility.

CTD026S OPEN OF MISSIONS ORDER LIST FILE FAILED. DDNAME = ddName

Explanation: The New Day procedure issues this message when open of the mission order list file fails (the ddName DD statement).

For more information, see the sections describing report decollating, printing, backup and restore missions in the INCONTROL for z/OS Administrator Guide.

Possible causes are:

- The ddName DD statement is missing.
- The data set (member) described by the ddName DD statement does not exist.

Processing of the mission order list terminates with a return code of 08.

Corrective Action: Call your INCONTROL administrator. After the problem is solved, rerun the job.

CTD027E JOBID PARAMETER INVALID. SHOULD BE Jnnnn or Jnnnnnnn

Explanation: The JOBID input parameter is invalid. The format of the parameter name must be the character J followed by five or seven digits.

The utility stops.

Corrective Action: Correct the JOBID input parameter in the JCL, and rerun the utility.

CTD027S UNABLE TO LOAD MODULE modName

Explanation: Loading of the modName module failed.

Possible causes are:
The IOA Load library is not in the load modules search list.
- There is not enough memory to load the module.
- The `modName` module does not exist in the Load library.
- The IOA Load library has been updated while you were working and the position of the `modName` module has changed.

The function requested is terminated.

**Corrective Action:** Look on the system log for additional messages related to the problem.

Try one of the following:
- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed because of lack of memory do one of the following:
  - For batch jobs, increase the REGION size.
  - For TSO, try to logon again using a larger SIZE parameter.
  - If you are using many IOA screens concurrently, try to exit a few using the END command. This can release memory which is used by the screens.
- If the Load library has been modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again. If the IOA Load library is in the Linklist, a refresh to the LLA is needed.

**CTD028S** MAXIMUM NUMBER OF MISSION ORDER CARDS HAS BEEN EXCEEDED. DDNAME = `ddName`

**Explanation:** The New Day procedure issues this statement when the `ddName` DD statement contains more than 500 mission order list statements.

For more information, see the sections describing report decollating, printing, backup and restore missions in the *INCONTROL for z/OS Administrator Guide*, and see also the sections describing New Day processing.

Processing of the mission order list terminates with a return code of 08.

**Corrective Action:** Ask the INCONTROL administrator to break the New Day procedure into more steps, with each step processing a maximum of 500 missions in the mission order list. After the problem is solved, rerun the New Day procedure.

**CTD028W** INDEX EXISTS IN GLOBAL INDEX DATABASE, USE FORCE PARAMETER TO ADD IT AGAIN

**Explanation:** The CTVUPGDB utility is trying to add an index that is already in the Global Index database. The CTD029I message, which follows the current message, provides details about the index that caused the error.

The index is not processed.

**Corrective Action:** To replace values in an existing index, run the CTVUPGDB utility with the FORCE input parameter set to YES.
CTD029I USER *userName*, REPORT *reportName*, JOBNAME *jobName*, JOBID *jobId*, ODATE *odate*

**Explanation:** This information message provides detailed information about the situation that caused the CTD028W message.

**Corrective Action:** No action is required.

CTD029S INTERNAL ERROR IN CTDCMI

**Explanation:** Internal error in the CTDCMI module.

Possible error situations include:

- CLISTs that schedule missions manually - for more information, see the *INCONTROL for z/OS Administrator Guide*
- New Day procedure - for more information, see the *INCONTROL for z/OS Administrator Guide*
- Force or Order in the Control-D Mission Definition screen
- when Control-M orders a Job Scheduling Table in which the CATEGORY field was already filled in The Active Missions file is not updated. The New Day procedure ends with the return code 08.

**Corrective Action:** Collect the produced trace and contact BMC Customer Support.

CTD030S MISSION ORDER LIST IS EMPTY. DDNAME = *ddName*

**Explanation:** The *ddName* DD statement does not contain any mission order list statements. This message is issued by the New Day procedure.

For more information, see the *INCONTROL for z/OS Administrator Guide* sections on report decollating, printing, backup, and restore missions, and see also the sections describing New Day processing.

Processing of the mission order list terminates with return code 04.

**Corrective Action:** Add missions to be processed to the mission order list and rerun the job.

CTD031E MEMBER *memName* NOT FOUND

**Explanation:** The *memName* member is not in the library. Look for additional messages containing the library name or the DD statement.

This message is produced in one of the following components of Control-D:

- In the New Day procedure, in one of the following cases:
  - The requested mission name is not in library or DD name. For example, when the following statements are in a file referenced by the DAPRTLST DD statement of the CTDNDAY procedure:
    
    290988 CTD.PROD.PRTMIS MORNING1 *FORCE
    290988 *INPUTMORNING1 *FORCE

    If the MORNING1 member is not in the CTD.PROD.PRTMIS library, the CTM680E message is produced. If the MORNING1 member is not in the data set described by the INPUT DD statement, the CTM680E message is produced. See mission scheduling in the *INCONTROL for z/OS Administrator Guide*. 

• A Generic User Name List was coded, but the member name for this list was not in the data set described by the DAGENUSR DD statement. For more information, see the Control-D and Control-V User Guide.

• A calendar to be read from the data set described by the DACAL DD statement was specified.

  ▪ During manual scheduling of a mission using the following CLIST CTDISRQ:

  ▪ The requested mission name is not in the library. For example, during manual scheduling of a Printing Mission with the following parameters:

    PRINT MISSIONS LIBRARY ===> CTD.PROD.PRTMIS
    MISSION NAME ===> MORNING1

    If the MORNING1 member is not found in library CTD.PROD.PRTMIS, the CTM680E message is produced.

    ▪ A Generic User Name List was coded, but the member name for this list was not in the data set described by DD statement DAGENUSR. For more information, see the Control-D and Control-V User Guide.

    ▪ A calendar was specified to be read from the data set described by the DACAL DD statement.

    ▪ During an attempt to schedule a decollating mission using the CATEGORY Control-M Job Production Parameter, the memName member in the Control-D Report Decollating Mission library was not found. For more information, see the CATEGORY basic scheduling parameter in the Control-M for z/OS User Guide.

The system action depends on the component that issued the message, as follows:

  ▪ New Day procedure - The mission is not placed on the Active Missions file. Processing of the other missions continues.

  ▪ Scheduling a mission manually using CLISTs - The mission is not placed on the Active Missions file.

  ▪ Control-M - The job is placed on the Active Jobs file, but the decollating mission is not placed on the Active Missions file.

**Corrective Action:** The correct response depends on the component that issued the message, as follows:

  ▪ New Day procedure -

    ▪ If the requested mission name is not found in the library or DD name, determine the correct name of the mission, and add this mission to the library, if necessary. Use the appropriate CLIST to schedule the mission manually.

    ▪ If the Generic User Name List member is not found, determine the correct name of the member, and add this member to the library, if necessary. Use the appropriate CLIST to schedule the mission manually.

    ▪ If the calendar member is not found, determine the correct name of the calendar, and add this member to the library if necessary. Use the appropriate CLIST to schedule the mission manually.

    ▪ If the error occurred during scheduling of a mission manually using CLISTs, take the same action as for A.
If the error occurred in Control-M, the member is not in the library. Add a decollating mission with the name of the member displayed in the message to the Decollating Mission library, or erase the CATEGORY screen entry from the Control-M Scheduling Definition. Then schedule this job using the CTDMSRQ CLIST.

CTD031I TO GLOBAL INDEX DATABASE WERE ADDED: reportsQuantity REPORTS, indexQuantity INDEXES, indexValueNum INDEX VALUES

Explanation: This information message describes data that was added to the Global Index database.
Corrective Action: No action is required.

CTD032E ERROR IN CARD: text
Explanation: This message displays the erroneous data card referred to by the message CTD145E.
Corrective Action: No action is required.

CTD033E INVALID ORIGINAL SCHEDULING DATE
Explanation: The original scheduling date in this mission order list statement is in error. The New Day procedure issues this message.

For more information, see the sections on report decollating, printing, backup and restore missions in the INCONTROL for z/OS Administrator Guide, and see also the sections on New Day processing.

This invalid mission order list statement is bypassed. Other valid mission order list statements are processed. The New Day procedure ends with a return code of 04.
Corrective Action: Correct faulty mission statements, and rerun the New Day procedure.

CTD034E ONE OR MORE MISSIONS ENDED WITH ERRORS
Explanation: One or more mission order list statements is invalid. The New Day procedure issues this message, if at least one CTD032E message was previously issued.

For more information, see the sections on report decollating, printing, backup and restore missions in the INCONTROL for z/OS Administrator Guide, and see also the sections on New Day processing.

The New Day procedure ends with a return code of 04.
Corrective Action: Correct faulty mission statements, and check for any other error messages relating to the New Day procedure. After fixing any problems, rerun the New Day procedure.

CTD034S INTERNAL ERROR CREATING TABLE tableName
Explanation: An internal error occurred in the CTVUPGDB utility. CTVUPGDB did not find the SYSDATA entry in the internal table.

The CTVUPGDB utility ends with a return code of 8.
Corrective Action: Contact your INCONTROL administrator.
CTD035E INDEX tableName HAS INCORRECT LENGTH

**Explanation:** The CTVUPGDB utility tried to add a path that was already in the Global Index database with different length parameters. This message occurs during an attempt to change the length of the index value in the definition of the decollation mission for a path that is already in the Global Index database.

CTVUPGDB continues without adding the values in the indicated path to the Global Index database.

**Corrective Action:** Change the length of the index value in the definition of the decollation mission that is causing the incorrect path or delete the old path from the Global Index database.

CTD036I GLOBAL INDEX HOUSEKEEPING UTILITY STARTED

**Explanation:** This information message indicates that the CTVGICL Global Index housekeeping utility started.

**Corrective Action:** No action is required.

CTD037I GLOBAL INDEX HOUSEKEEPING UTILITY ENDED

**Explanation:** This information message indicates that the CTVGICL Global Index housekeeping utility ended.

**Corrective Action:** No action is required.

CTD038I SEARCHING THE ACTIVE AND MIGRATED USER FILES

**Explanation:** This information message indicates that the CTVGICL Global Index housekeeping utility started searching active and migrated user files. Use this message to calculate how long each stage of the utility takes.

**Corrective Action:** No action is required.

CTD039I DELETING VSA ENTRIES

**Explanation:** This information message indicates that the CTVGICL Global Index housekeeping utility started deleting VSA entries from the Global Index database. Use this message to calculate how long each stage of the utility takes.

**Corrective Action:** No action is required.

CTD041S SMFWTM RETURNED RC= 4 - SMF RECORD TOO LONG

**Explanation:** Highlighted, unrollable message.

Control-D attempted to write an SMF record which could not fit completely in an SMF data set.

The user modified Control-D exit CTDX006, but moved an incorrect value to the SMFLEN field (DSECT CTDUSMF). This field contains the length of the SMF record.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.
Corrective Action: Correct the problem in CTDX006, assemble and link-edit this exit, and bring down Control-D. When Control-D is brought up again, SMF recording will resume.

CTD042I PATH DELETED: pathName

Explanation: This information message indicates that the CTVGICL Global Index utility deleted the specified path from the Global Index database.

Corrective Action: No action is required.

CTD042S SMFWTM RETURNED RC= 8 - SMF RECORD TOO SHORT

Explanation: Highlighted, unrollable message.

Control-D attempted to write an SMF record which is smaller than 18 characters long.
The user modified the Control-D Exit CTDX006, but moved an incorrect value to the SMFLEN field (DSECT CTDUSMF). This field contains the length of the SMF record.
The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the Control-D log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

Corrective Action: Correct the problem in CTDX006, assemble and link-edit this exit, and bring down Control-D. When Control-D is brought up again, SMF recording will resume.

CTD043E ERROR IN DELPATH FOR pathName RC rc

Explanation: The DELPATH Global Index function could not delete the specified path. CTVGICL invokes the DELPATH function to delete paths.

DELPATH skips the path that caused the error and continues to delete the next path.

Corrective Action: This error message may be issued because the PATH to be deleted is in use when DELPATH tries to delete it. Check other messages for the job to identify and fix any errors. For possible return code values and their meanings, see the CTD010E message. Rerun the CTVGICL utility.

CTD043S SMFWTM RETURNED RC= 16 - SMF IS NOT ACTIVE

Explanation: Highlighted, unrollable message.

Control-D attempted to write an SMF record, but SMF is not active.
The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

Corrective Action: Initiate SMF recording, then bring down Control-D. When Control-D is brought up again, SMF recording will resume.
CTD044E parmName PARAMETER INVALID. SHOULD BE AFTER PATH PARAMETER

Explanation: The parmName input parameter for the CTVUPGDB Global Index housekeeping utility is in the wrong position. The ALT and BASELEN parameters may be specified only once each and must appear after the PATH parameter because they refer to a specific path.

Corrective Action: Fix the input parameters in the JCL and rerun the job.

CTD044S SMFWTM RETURNED RC= 20 - SMF EXIT IEFU83 SUPPRESSED THE RECORD

Explanation: Highlighted, unrollable message.

Control-D attempted to write an SMF record, but the IEFU83 SMF exit suppressed the record.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

Corrective Action: Correct the IEFU83 SMF exit to allow Control-D to write SMF records. When Control-D is brought up again, SMF records will resume.

CTD045S SMFWTM RETURNED RC= 24 - THE SMF FILES ARE FULL

Explanation: Highlighted, unrollable message.

Control-D attempted to write an SMF record, but the SMF files are full.

The SMF record is not written, but Control-D continues processing. Control-D will write the SMF049I message to the IOA Log file. This log message is a replacement for SMF recording, and can be entered into SMF later.

Control-D will keep attempting to write to the SMF file. If the SMF file is still full, the SMF049I message will be written to the log.

Please note that Control-D does not have to be taken down. As soon as room is found on an SMF file, SMF recording will take place automatically.

Corrective Action: The operator should clear SMF files according to the conventions of the site. As soon as this is done, Control-D will automatically continue with SMF recording.

CTD045W NO RECORDS WERE ADDED TO THE GLOBAL INDEX DATABASE

Explanation: The CTVUPGDB Global Index housekeeping utility did not add any records to the Global Index database.

The CTVUPGDB utility continues processing.

Corrective Action: To add records to the Global Index database, correct the input parameters in the JCL for the CTVUPGDB utility and rerun it.
CTD046S BLDL/LOAD FAILED FOR THE MODULE "modName"

Explanation: This is one of two messages with the same ID, but different text.
Loading of the modName module failed.
Possible causes are:
- IOA Load library is not in the load modules search list (STEPLIB + Linklist).
- There is insufficient memory.
- There is some other system-oriented reason, which may be found in the syslog.

Execution might stop.
Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.

CTD046S INTERNAL PROBLEM IN MVS. SMF RECORD NOT WRITTEN

Explanation: This is one of two messages with the same ID, but different text.
Highlighted, unrollable message.
Control-D attempted to write an SMF record, but there is an internal problem in MVS.

This is due to one of the following return codes from MVS:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>Record is not currently being recorded.</td>
</tr>
<tr>
<td>40</td>
<td>Buffer storage caused data to be lost.</td>
</tr>
<tr>
<td>44</td>
<td>SVC 83 unable to establish recovery.</td>
</tr>
</tbody>
</table>

For the return code, refer to the SMF047S message.
The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

Corrective Action: Call the system programmer. After the problem is fixed by the system programmer, bring down Control-D. When Control-D is brought up again, SMF recording will resume.

CTD047S RC=rc RECEIVED FROM MACRO SMFWTL

Explanation: Highlighted, unrollable message.
Control-D is unable to write SMF records. Possible causes are:
The SMF046S message was issued. This message specifies the return code issued by SMF.

An unknown return code was issued by SMF. This message specifies that return code.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the Control-D log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Call the INCONTROL administrator.

**CTD048S** THE Control-D SMF RECORDING IS TERMINATED - PLEASE TAKE CORRECTIVE ACTION

**Explanation:** Highlighted, unrollable message.

Control-D is unable to write SMF records.

This message is issued whenever a permanent error is present on SMF recording. This message is issued for the SMF041S through SMF050S messages.

The SMF record is not written, but Control-D continues processing.

**Corrective Action:** Refer to the SMF041S through SMF050S messages.

**CTD049I** MISSIONS PROCESSING STARTED

**Explanation:** This information message indicates that processing of missions started.

This message is issued by:

- CLISTs which schedule missions manually - for more information, see the *INCONTROL for z/OS Administrator Guide*.
- New Day procedure - for more information, see the relevant section of the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** No action is required.

**CTD050S** INVALID VALUE val IN THE INSTALLATION PARAMETER "SMF"

**Explanation:** Highlighted, unrollable message.

Control-D attempted to write an SMF record, but an invalid value (val) is present on the SMF field in CTDPARM.

The SMF field in CTDPARM can contain the following values:

- Character string, length of three, value NO.
- A 3-digit number from 128 through 255.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Call your INCONTROL administrator.
CTD051S ALL OF THE MISSIONS HAVE ENDED WITH ERRORS

Explanation: All mission order list statements were flagged as being invalid. The New Day procedure issues this message, if CTD032E messages were previously issued for all the mission order list statements or if CTD032E messages were previously issued because scheduling was cancelled by user exit CTDX001.

See sections on report decollating, printing, backup and restore missions in the INCONTROL for z/OS Administrator Guide. See also New Day processing.

The New Day procedure ends with a return code of 08.

Corrective Action: Correct all mistakes in mission statements and rerun the New Day procedure.

CTD052E ERROR IN LIBRARY= libName MEMBER= memName CATEGORY= catName

Explanation: This message indicates the erroneous mission definition. The erroneous data it contains are displayed in the preceding messages.

The erroneous mission is not entered into the Active Mission file.

Corrective Action: Correct the mission definition and re-order it.

CTD053S MODULE modName ABENDED - CODE = abCode

Explanation: An abend occurred in the modName module.

Certain Control-D functions may fail. There will probably be additional messages on the system log or on the IOA log.

Corrective Action: If possible, correct the cause of the abend. Otherwise, call BMC Software Customer Support.

CTD054S OPEN OF USER DATE CONTROL-RECORD FAILED - DDNAME "DACHK"

Explanation: Open of the file containing the User Date Control Record failed (the DACHK DD statement).

This message is issued by the CTDRRQ, CTDPRQ, CTDBRQ, or CTDSRQ program, which is activated by the New Day procedure.

This error may be due to one of the following:

- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The New Day procedure ends with a return code of 08.

Corrective Action: Correct the JCL for the New Day procedure and rerun it.

CTD055S DATE CONTROL-RECORD IS EMPTY

Explanation: The data set described by the DACHK DD statement is empty. This message is issued by the CTDRRQ, CTDPRQ, CTDBRQ, or CTDSRQ program, which is activated by the New Day procedure.

The New Day procedure ends with a return code of 08.

Corrective Action: Correct the JCL for the New Day procedure and rerun it.
CTD056S PREVIOUS RUN OF \textit{pgm} DID NOT FINISH OK

\textbf{Explanation:} A previous run of the New Day procedure probably abended. This message is issued by the \textit{pgm} program (CTDRRQ, CTDPRQ, CTDBRQ, or CTDSRQ), which is activated by the New Day procedure. Before a \textit{pgm} program starts operating, it compares Date-2 with Date-3 (Date-4 with Date-5, and so on). If they are not equal, a previous run of the \textit{pgm} program of the New Day procedure probably abended. See the Date Control record in the \textit{INCONTROL for z/OS Administrator Guide}.

The New Day procedure ends with a return code of 08.

\textbf{Corrective Action:} Correct the value of the Date Control record and rerun the job. Make sure the same mission is not scheduled twice on the same day.

CTD057S LAST MONTHLY SCHEDULING DATE GREATER THAN THE CURRENT ORIGINAL SCHEDULING DATE

\textbf{Explanation:} Invalid current (or last) original scheduling date. Date-2 (or Date-4/Date-6/Date-8) in the Date Control record is greater than Date-1. Someone probably modified the Date Control record incorrectly (the DACHK DD statement).

For more information, see the Date Control record in the \textit{INCONTROL for z/OS Administrator Guide}.

The New Day procedure ends with a return code of 08.

\textbf{Corrective Action:} Correct the Date Control record (the DACHK DD statement), and rerun the New Day procedure.

CTD058S LAST MONTHLY SCHEDULING DATE WAS MORE THAN 28 DAYS AGO, CHECK IT

\textbf{Explanation:} The current or last original scheduling date is more than 28 days ago. Date-1 in the Date Control record is greater than Date-2, Date-4, Date-6, or Date-8, by 28 days.

Possible causes are:
- The New Day procedure has not been used for more than 28 days. Correct the date in the record to “yesterday.”
- The contents of the Date Control record may have been modified incorrectly.

For details about the Date Control record, see the \textit{INCONTROL for z/OS Administrator Guide}.

The New Day procedure ends with a return code of 08.

\textbf{Corrective Action:} Correct the DACHK DD statement in the Date Control record, and rerun the New Day procedure.

CTD059W LIBRARY \textit{lib} SHOULD BE COMPRESSED

\textbf{Explanation:} The \textit{lib} library, which is specified in the PDS parameter, contains fewer free tracks than the number specified in the MINIMUM parameter.

The PDS and MINIMUM parameters are used for automatically compressing a library. If the MINIMUM condition is satisfied, CTDRRQ, CTDPRQ, CTDBRQ, or CTDSRQ issues this message, and the mission is placed in the Active Missions file. For more details, see the \textit{Control-D and Control-V User Guide}. 

293
The mission is placed on the Active Missions file.

**Corrective Action:** No action is required.

**CTD061S INVALID YEAR IN DATE CONTROL-RECORD**

**Explanation:** Either an invalid year was specified in the Date Control record used by the New Day procedure, or the current year is not defined in the calendar specified in the mission.

This message can be issued in either of the following cases.

- If the New Day procedure is running, Date1 in the Date Control record does not contain a valid year, or the year is not yet (or no longer) supported by the Control-D release currently in use or the DACHK DD statement does not point to the correct file.
- If a mission is running, the current year is not defined in the calendar specified in the mission.

The program terminates with a return code of 08.

**Corrective Action:** If the message is issued when the New Day procedure is running:

- Make sure DD statement DACHK points to the correct file.
- Make sure that Date1 in the Date Control Record contains a valid year.
- Make sure that the specified year is supported by the Control-D release.

If the message is issued when a mission is running, either add the current year to the calendar specified in the mission, or correct the calendar specification in the mission by specifying a different or no calendar.

**CTD062S INVALID ORIGINAL SCHEDULING DATE IN DATE CONTROL-RECORD (POSITIONS 1-6)**

**Explanation:** Invalid original scheduling date in the User Date Control record (positions 1-6). This error message is issued by the CTDRRQ, CTDPRQ, CTDBRQ or CTDSRQ program, which is activated by the New Day procedure.

Valid formats are mmddyy or ddmmyy. The contents of the DACHK DD statement in the Date Control record may have been incorrectly modified.

For more details see the *INCONTROL for z/OS Administrator Guide*.

The CTDRRQ, CTDPRQ, CTDBRQ, or CTDSRQ program ends with a return code of 08.

**Corrective Action:** Correct the DACHK DD statement in the Date Control record, and rerun the New Day procedure.

**CTD063S INVALID CURRENT (OR LAST) ORIGINAL SCHEDULING DATE OF type MISSIONS**

**Explanation:** Invalid original scheduling date in the Date Control record for *type* missions.

In this message, *type* missions are those of the following types:
This message is issued by the appropriate CTDQQ, CTDPRQ, CTDDBQ, or CTDSRQ program, which is activated by the New Day procedure.

Date-2, Date-4, Date-6, or Date-8 in the Date Control record is invalid. The valid format is mmddyy or ddmmyy. The contents of the DACHK DD statement in the Date Control record may have been incorrectly modified.

For more details, see the *INCONTROL for z/OS Administrator Guide*.

The New Day procedure ends with a return code of 08.

**Corrective Action:** Correct the DACHK DD statement in the Date Control record and rerun the New Day procedure.

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CTD065E SEVERE ERROR IN CALENDAR calName OR YEAR NOT FOUND IN CALENDAR

**Explanation:** Either the year is not defined in the calendar, or the calendar was corrupted.

This message is issued by:

- CLISTs which schedule missions manually
- New Day procedure
- The Online Facility when a FORCE or ORDER is issued from the Mission List screen.

The Active Missions file is not updated with this mission. If a New Day procedure is running, processing of other missions continues.

**Corrective Action:** Check the contents of the mission and the calendar.

---

CTD070E CANNOT MIX "# OF DAYS TO KEEP" WITH "# OF GENERATIONS TO KEEP"

**Explanation:** Both # OF DAYS TO KEEP and # OF GENERATIONS TO KEEP are specified. Only one of these options may be specified. They cannot be combined in one backup mission.

**Corrective Action:** Select only one of the options and blank out the other option.

---

CTD071S BLDL FAILED FOR PROGRAM pgm

**Explanation:** The pgm Control-D internal module is not present on the IOA Load library.

The Control-D monitor is shut down.

**Corrective Action:** Determine who deleted the pgm module and why. Restore this module from a backup tape of the IOA Load library. Then bring up Control-D.
CTD073E PLEASE FILL IN "# OF DAYS TO KEEP" OR "# OF GENERATIONS TO KEEP"

Explanation: There is no value for # OF DAYS TO KEEP or # OF GENERATIONS TO KEEP. A value greater than zero must be specified for one and only one of the fields.

Corrective Action: Specify a value greater than zero for one of the fields.

CTD077E SECONDARY SKELETON NAME MUST BE DIFFERENT THAN MIGRATION MISSION NAME

Explanation: The same name is specified for the secondary skeleton and the migration mission. The name of the secondary skeleton must be different from that of the migration mission.

Corrective Action: Change the secondary skeleton name.

CTD078E MEDIA NAME IS NOT FOUND IN IOASPRM MEMBER

Explanation: A migration target media that is not defined in the IOASPRM member is specified in the IOA Parm library. Each target media specified in the migration mission definition must be defined with media-specific parameters (NAME, TYPE, DSNPREF, UNITNAME, DEVADDR, and so on) in the IOASPRM member.

For information about these parameters, see the Control-V chapter in the INCONTROL for z/OS Installation Guide.

The migration mission is not saved or updated.

Corrective Action: Verify that the target media is spelled correctly in the migration mission definition. Specify a target media which is defined in the IOASPRM member, or define the desired target media in the IOASPRM member, and then use that target media in the migration mission definition.

CTD079E AGE MUST BE MORE THAN PREVIOUS AGE + REFRESH DAYS (IF ANY)

Explanation: A value for the AGE parameter was not larger than the value in the AGE parameter plus the value, if any, in the REFRESH EVERY parameter for the preceding stage.

At least one migration process and one refresh process (if any is specified) must be performed for each stage. Therefore, the age of the report, in days at each migration, must be greater than its age at the previous migration, and greater than its age at a subsequent refresh operation, if one was specified for the previous migration).

The migration mission is not saved or updated.

Corrective Action: Modify the AGE parameter, or the REFRESH EVERY parameter, or both, to comply with the age requirements.

CTD080E MEDIA NAME MUST BE SPECIFIED

Explanation: A migration mission is missing the MEDIA NAME subparameter. The MEDIA NAME subparameter must be specified for primary migration. If a migration stage has secondary migration, the MEDIA NAME subparameter must also be specified for secondary migration.

The migration mission is not saved or updated.
Corrective Action: In the MEDIA NAME subparameter, specify a target media which is defined in the IOASPRM member in the IOA PARM library.

CTD081E AGE IN DAYS MUST BE LESS THAN RETENTION DAYS

Explanation: The AGE subparameter was not smaller than the value in the RETENTION DAYS parameter. When a report reaches the age specified in the RETENTION DAYS parameter, it is deleted. Therefore, a report cannot migrate on that day or any subsequent day.

The migration mission is not saved or updated.

Corrective Action: Modify the AGE subparameter or the RETENTION DAYS parameter, or both, so that the value in the AGE subparameter is less than the value in the RETENTION DAYS parameter.

CTD082E AGE IN DAYS FOR MIGRATION MUST BE SPECIFIED

Explanation: A migration mission is missing an AGE subparameter. The age at which the report will migrate must be specified for each migration stage. The age is specified in days from the date the report was created.

The migration mission is not saved or updated.

Corrective Action: In the AGE subparameter, specify the age of the report in days when migration should occur.

CTD083E FIRST MIGRATION LEVEL MUST BE SPECIFIED

Explanation: A migration mission is missing mandatory parameters for migration stage 01. Parameters must be specified for migration stage 01.

The migration mission is not saved or updated.

Corrective Action: Specify the AGE and PRIMARY MEDIA NAME mandatory parameters for stage 01 migration.

CTD084E MIGRATION LEVELS MUST BE CONSECUTIVE. PLEASE FILL IN PREVIOUS LEVEL

Explanation: There is no block containing the STAGE parameter and its subparameters. Migration stage numbers from 1 through 10 are generated automatically. You must define migration stages in sequence without skipping a stage.

The migration mission is not saved or updated.

Corrective Action: Specify the migration path stages in sequential order.

CTD085E REFRESH DAYS MUST NOT EXCEED RETENTION DAYS MINUS AGE

Explanation: The number of days specified for the refresh interval in the REFRESH EVERY subparameter exceeds the difference between the age at time of migration and the age at which the report is deleted (RETENTION DAYS). The media on which a report is stored cannot be refreshed after the age at which the report should be deleted.

The migration mission is not saved or updated.
Corrective Action: Respecify one or more of the following
- the RETENTION DAYS parameter
- the AGE subparameter
- the REFRESH EVERY subparameter

so that the value in the REFRESH EVERY subparameter does not exceed the difference between the values specified in the AGE subparameter and the RETENTION DAYS parameter.

CTD0A1E PARENT NAME AND PARENT LEVEL MUST BE BOTH FILLED IN OR BOTH BLANKS

Explanation: Either the PARENT NAME or the PARENT LEVEL is defined, but not both fields. PARENT NAME and PARENT LEVEL fields must be specified together if they are specified at all.
The user is prompted to correct the PARENT field.
Corrective Action: Specify the missing value, or blank out both fields.

CTD0A2I FORCED BROWSE DUE TO USER EXIT SPECIFICATION

Explanation: This information message indicates that an attempt was made to edit a Recipient Tree member that may only be browsed.
User exit CTDX021 specifies that the requested Recipient Tree member may only be browsed. In Browse mode, no changes may be made to the tree member. However, all recipients may be selected, and the member may perform a tree validity check using the CHKTREE command.
The Recipient Tree member is accessed in Browse mode.
Corrective Action: No action is required.

CTD0A3E OPTIONS "D" "I" AND "P" ARE INVALID UNDER BROWSE

Explanation: An invalid option was entered while accessing a Recipient Tree member under Browse mode. The only valid option is S (Select). The D (Delete), I (Insert) and P (Parent) options are not valid in Browse mode.
The requested option is not performed.
Corrective Action: No action is required.

CTD0A4E PLEASE FILL IN AUTHORIZE BEFORE FILLING IN $SYSDATA

Explanation: A Y or N was entered in the $SYSDATA field without specifying a user name in the AUTHORIZE field.
The AUTHORIZE field is used to specify who may view the reports of the recipient. Additionally, the $SYSDATA field on the same line is used to indicate whether or not the authorized user may also view $SYSDATA records. The $SYSDATA field must be blank if no user is specified in the AUTHORIZE field.
Corrective Action: Fill in a user name in the AUTHORIZE field, or blank out both fields.
Messages CTD100 through CTD1xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTD100I  CONTROL-D MONITOR STARTED

**Explanation:** This is a general information message which is issued when the Control-D monitor is started.

**Corrective Action:** No action is required.

CTD102E  INVALID PARM GIVEN TO MONITOR. PARM CAN BE " " OR "1" FOR PRIMARY MONITOR AND "2-9" FOR SECONDARY MONITORS

**Explanation:** Highlighted, unrollable message.

The value of the PARM field in the Control-D monitor procedure or the secondary monitor procedure is invalid.

The Control-D monitor or the secondary monitor shuts down.

**Corrective Action:** Check the value defined in the CTDMON# field in CTDPARM. Change the PARM field in the appropriate procedure to correspond to this value and start Control-D.

For example, for the CONTROL2 procedure: `/CONTROLD EXEC PGM=CTMMON,PARM='2'`

CTD103E  INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

**Explanation:** An invalid parameter was passed to the File Transfer monitor by an operator modify command. A list of valid modify parameters is displayed on the operator console following this message.

The operator modify command is rejected.

**Corrective Action:** Enter an operator modify command with valid parameters.

CTD107I  SHUT DOWN UPON REQUEST FROM OPERATOR

**Explanation:** This information message is a Control-D monitor shut down message when the shut down was requested by the operator.

Control-D monitor shuts down.

**Corrective Action:** No action is required.

CTD113W  CONTROL-D MONITOR SHUTTING DOWN FOR A NEW DAY

**Explanation:** Highlighted, unrollable message.

Normal message of Control-D monitor shutting down for the New Day procedure.

The Control-D monitor shuts down once a day at a specific time for the New Day procedure. For more information on the New Day procedure, see the *Control-D and Control-V User Guide*.

Control-D monitor will shut down and start the New Day procedure (CTDNDAY). When it finishes executing, it will start the Control-D monitor again.

**Corrective Action:** No action is required.
CTD116S OPEN OF ACTIVE MISSIONS FILE FAILED - DDNAME "DAAMF"

**Explanation:** Highlighted, unrollable message.

Open of Control-D Active Missions file failed (DD statement DAAMF). Possible causes are:

- The DAAMF DD statement is missing.
- The data set described by the DAAMF DD statement is not the Control-D Active Missions file.
- The data set described by the DAAMF DD statement is the Control-D Active Missions file, but it is of another Control-D monitor, or of a different Control-D version.

The Control-D monitor will shut down.

**Corrective Action:** Correct the JCL for the Control-D monitor.

CTD117S ACTIVE MISSIONS FILE IS BEING FORMATTED NOW

**Explanation:** Highlighted, unrollable message.

Control-D monitor has been brought up while the Active Missions file is under formatting.

The New Day procedure did not finish formatting the file, either because it was still working, or because it abended. It is impossible to start the Control-D monitor until the New Day procedure finishes executing successfully.

The Control-D monitor shuts down.

**Corrective Action:** Check how the New Day procedure finished executing. All the problems of the New Day procedure must be corrected before restarting the Control-D monitor. Note, however, that if an IPL occurred during the previous run of the New Day procedure, it will correct itself when restarted. Therefore, it can be restarted without correction.

CTD118S FILE ALLOCATED TO DDNAME "DAAMF" IS NOT THE EXPECTED ACTIVE MISSIONS FILE

**Explanation:** Highlighted, unrollable message.

The data set described by the DAAMF DD statement is not the expected Control-D Active Missions file. This could be due to one of the following:

- The file allocated to the DAAMF DD statement is not the Control-D Active Missions file.
- The file allocated to the DAAMF DD statement is the Control-D Active Missions file, but it is of a different version or of a different Control-D monitor.

Control-D monitor will shut down.

**Corrective Action:** Correct JCL for the Control-D monitor.

CTD119S ACTIVE MISSIONS FILE IS DAMAGED - NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Highlighted, unrollable message.

The contents of the Active Missions file have been corrupted.
The Active Missions file is marked as FORMAT during New Day procedure processing, and marked as FREE at successful completion. Currently, the file is not marked as FORMAT, nor as FREE.

Control-D monitor will shut down.

**Corrective Action:** Call your system programmer for assistance. Examine messages issued during the NEWDAY procedure, take appropriate corrective action, and then rerun the NEWDAY procedure. If the problem recurs, take appropriate action on the Active Mission file: To compress or copy the Active Mission file, use the CTDCAMF utility. To reformat the Active Mission file use the CTDFRAMF utility.

**CTD120I** CONTROL-D MONITOR SHUTTING DOWN

**Explanation:** Highlighted, unrollable message.

This information message is a general Control-D message issued when shutting down the Control-D monitor by a P command, or on certain internal Control-D events.

The IOA Log should contain additional messages concerning the reason for shutting down.

Control-D monitor shuts down.

**Corrective Action:** No action is required.

**CTD121S** CONTROL-D MONITOR ENDED WITH ERROR

**Explanation:** Highlighted, unrollable message.

Control-D monitor ended with an error. The IOA Log should contain additional messages concerning the specific error.

Control-D monitor shuts down.

**Corrective Action:** Check the IOA Log or the computer log for the reason. Call the system programmer for assistance if needed. Try to start the Control-D monitor again as soon as possible.

**CTD122W** YOUR CONTROL-D IS ALREADY ACTIVE. QNAME qName

**Explanation:** Highlighted, unrollable message.

**Corrective Action:** No action is required.

**CTD123I** CONTROL-D INTERVAL IS SET TO nn SECONDS

**Explanation:** This information message is produced as a result of setting a Control-D sleeping interval by an operator command.

For more details, see the INCONTROL for z/OS Administrator Guide.

Control-D monitor will "wake up" every nn seconds and check what it has to do.

**Corrective Action:** No action is required.

**CTD124E** INTERVAL MUST BE A TWO DIGIT NUMBER BETWEEN 03-99 SECONDS

**Explanation:** An invalid Control-D sleeping interval was specified in an operator modify command. The Control-D sleeping interval must be a 2-digit number from 03 through 99 seconds. For more details, see the INCONTROL for z/OS Administrator Guide.
Corrective Action: Enter a valid interval.

CTD125I  validModifyParm
Explanation: This message displays a valid parameter that can be used in MODIFY.
Corrective Action: No action is required.

CTD126I  NEW EXIT  exitName  LOADED
Explanation: This information message indicates a successful execution of the EXIT REFRESH operator modify command.
A new copy of a Control-D user exit was loaded successfully.
For more information, see the INCONTROL for z/OS Administrator Guide.
Corrective Action: No action is required.

CTD127I  NEWDEST COMMAND ACCEPTED
Explanation: This information message is the result of acceptance of an operator NEWDEST command passed to the Control-D monitor.
The next time that the Control-D monitor tries to SHOUT a message, it will load a new dynamic destination table.
Corrective Action: No action is required.

CTD128S  RECIPIENT TREE WAS NOT LOADED BECAUSE OF ERROR - CONTROL-D IS TERMINATING
Explanation: The loading of the Control-D Recipient Tree was unsuccessful.
As part of its initialization processing, the Control-D monitor attempts to load the Recipient Tree. However, the loading of the Recipient Tree was not successful.
The Control-D monitor will shut down.
Corrective Action: There are additional messages describing the problem on the IOA Log and the system log.

CTD129I  ERROR WHILE LOADING EXIT  exitName. EXIT NOT LOADED
Explanation: This information message indicates that the Control-D monitor failed to load the exitName user exit.
Common reasons for failure include:
- The IOA Load library is in the Linklist, and someone has updated the library without performing a refresh for the LLA.
- The last assembly or linkage of exitName failed.
- There is insufficient memory to load this exit.
The Control-D monitor will continue to run. However, the exitName user exit will not be activated.
**Corrective Action:** Check the system log for the reason for the failure.

**CTD12AI CONTROL-D MONITOR IS SUSPENDING BY OPERATOR REQUEST**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor is being suspended while the New Day procedure is running in internal mode. The Control-D monitor is suspended once a day at a specific time for the New Day procedure when it runs in internal mode. For more information on the New Day procedure, see the INCONTROL for z/OS Administrator Guide.

The Control-D monitor suspends all mission processes. When it finishes, message MON12CI is issued.

**Corrective Action:** No action is required.

**CTD12BI CONTROL-D MONITOR IS SUSPENDING BY OPERATOR REQUEST**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor is being suspending due to an operator request.

The Control-D monitor suspends all mission processes. When it finishes, message MON12CI is issued.

**Corrective Action:** No action is required.

**CTD12CI CONTROL-D MONITOR SUSPENDED**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor is being suspended while the New Day procedure is running in internal mode.

The Control-D monitor has started the New Day subtask. When it finishes executing, the monitor will resume and start the New Day procedure (CTDNDAY).

**Corrective Action:** No action is required.

**CTD12DI CONTROL-D MONITOR RESUMED**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor has resumed after being suspended for the New Day procedure or by operator request.

The Control-D monitor resumes all mission processes.

**Corrective Action:** No action is required.

**CTD12EI CONTROL-D NEW DAY TIME STAMP IS** $timeStamp$

**Explanation:** This information message indicates that the New Day process has set the $timeStamp$ time stamp as the time of a new day.

The $timeStamp$ timestamp is a hexadecimal representation of the time-of-day clock value used for synchronization for the CTDDELRP utility and for backup missions. It is displayed for tracking and debugging purposes.
For an explanation of the synchronization process, see message MONA59I.

**Corrective Action:** No action is required.

**CTD12FE UNABLE TO UPDATE THE MISSION STATUS**

**Explanation:** The Control-D monitor is unable to update the status of a decollation mission, which was suspended during a New Day procedure that was executing in internal mode. The monitor begins to process such a mission before the New Day procedure begins, but only finishes after the procedure ends. The reason is that the mission was updated outside of the Control-D monitor.

The Control-D monitor continues to run. However, the mission status is not updated.

**Corrective Action:** Restart the Control-D monitor.

**CTD12GS NEWDAY SUBTASK ENDED WITH ERROR**

**Explanation:** A New Day subtask ended with an error or abended.

The Control-D monitor shuts down with user abend 0006. A dump of the abending task which is needed for problem resolution is also included in the output.

**Corrective Action:** No action is required.

**CTD12HS INVALID NEWDAY MODE**

**Explanation:** The incorrect NDAYMODE parameter was specified in the start command for the Control-D monitor or the CTDNDAY procedure.

Valid values are:

- **INT** - internal mode. The Control-D or Control-V monitors execute simultaneously with the New Day procedure.
- **EXT** - external mode. The Control-D monitor starts the New Day procedure, and then shuts down the Control-D monitor or the CTDNDAY procedure.

The Control-D monitor or the CTDNDAY procedure shuts down.

**Corrective Action:** Restart the Control-D monitor or the CTDNDAY procedure with the correct parameter.

**CTD130I COMMAND cmd ACCEPTED FOR PRINTER prtr**

**Explanation:** This information message indicates acceptance of an operator STARTPRT or STOPPRT command passed to the Control-D monitor.

The requested printer is opened (started) or closed (stopped).

**Corrective Action:** No action is required.

**CTD131I TREE WAS NOT LOADED BECAUSE IT IS IN USE BY ONE OF THE SUBTASKS - TRY AGAIN LATER**

**Explanation:** This information message is a result of an operator LOADTREE command passed to the Control-D monitor.
The Recipient Tree is used by several subtasks of the Control-D monitor. One of the subtasks had exclusive control of the Recipient Tree for a short period of time.

The new Recipient Tree is not loaded. Control-D continues using the old Recipient Tree.

**Corrective Action:** Try to load a new Recipient Tree later.

**CTD132E PRINTER prtr IS NOT DEFINED TO CONTROL-D**

**Explanation:** Result of an operator STARTPRT or STOPPRT command passed to the Control-D monitor.

The PRINTER Control-D Installation Parameter defines the logical printers on which Control-D can print. However, the `prtr` printer name is not defined in the PRINTER Installation Parameter.

The requested STARTPRT or STOPPRT function is not performed.

**Corrective Action:** Enter the correct printer name in the STARTPRT or STOPPRT command.

**CTD133I STARTING THE CONTROL-D PRINTERS CONTROL-MONITOR - prtr**

**Explanation:** This information message is issued during normal initialization processing in the Control-D monitor.

The Control-D monitor activates the Printers Control monitor `prtr` as an independent started task.

The Control-D monitor invokes the `prtr` started task. This name is taken from the PRTSTC Control-D Installation Parameter.

**Corrective Action:** No action is required.

**CTD134I WAITING FOR THE CONTROL-D PRINTERS CONTROL-STC (name) TO START**

**Explanation:** This information message indicates that the Printers Control monitor has been activated by the Control-D monitor.

The Control-D monitor waits for the Printers Control started task to start executing. This message can appear more than once. If, after a number of times, the Control-D monitor cannot find the Printers Control monitor, it assumes that it has failed and the Control-D monitor shuts down.

**Corrective Action:** No action is required.

**CTD135E CONTROL-D PRINTERS CONTROL-MONITOR monName ENDED ABNORMALLY. CONTROL-D SHUTTING DOWN**

**Explanation:** Highlighted, unrollable message.

The Printers Control monitor `monName` was shut down due to errors.

The Control-D monitor will shut down.

**Corrective Action:** Check the IOA Log for additional clarification messages on the reason for the shutdown.
CTD136I STOPPING THE PRINTERS CONTROL-MONITOR

Explanation: This information message indicates that a shutdown process has been issued from the Control-D monitor. Before the Control-D monitor shuts itself down, it will shut down the Printers Control monitor first. Control-D will shut down.

Corrective Action: No action is required.

CTD137I WAITING FOR THE PRINTERS CONTROL-STC (name) TO TERMINATE

Explanation: This information message indicates that a shutdown process has been issued from the Control-D monitor. The Control-D monitor has issued the command to shut down the Printers Control monitor, and is now waiting for a response. This message can appear more than once, but not more than 10 times.

Corrective Action: No action is required.

CTD138E WAITING TOO LONG FOR THE PRINTERS CONTROL-STC (name). STC BEING CANCELLED

Explanation: Highlighted, unrollable message.
A shutdown process issued from the Control-D monitor.
The Control-D monitor has issued the command to the Printers Control monitor to shut itself down, but there was no response from the Printers Control monitor.
The Printers Control monitor is cancelled (operator command C name).

Corrective Action: Check the system log, the IOA Log, and the JCL of the Control-D monitor and the Printers Control monitor.

CTD139I GENERIC JOB DECOLLATION IS ACTIVE ON CLASSES (classList)

Explanation: This information message indicates that the Generic decollation from the classList Generic classes is now active. The Control-D monitor issues this message when starting, after new day processing and after successfully executing the STARTGEN command.

Control-D will start decollating sysouts from the classList Generic classes. For more information, see the description of generic processing in the INCONTROL for z/OS Administrator Guide.

Corrective Action: No action is required.

CTD13AE GENERIC DECOLLATION CANNOT BE ACTIVATED. GENCLAS IS NOT DEFINED IN CTDPARM

Explanation: The operator issued the command F CONTROLD,STARTGEN but no generic classes were defined in CTDPARM.
The command is ignored.
Corrective Action: For details on specifying generic classes in CTDPARM, see the Control-D chapter of the INCONTROL for z/OS Installation Guide and proceed accordingly.

CTD13BI PRINTER prtrId DEST dest TYPE type IS OPEN

Explanation: This information message indicates that the prtrId logical printer has opened following a STARTPRT command issued by the operator.

The variables in this message are:

- prtrId - the identity of the logical printer that has opened
- dest - the value of the Dest Printer Definition parameter
- type - the value of the Type Printer Definition parameter

For more information on these Printer Definition parameters, see the Control-D chapter of the INCONTROL for z/OS Installation Guide.

Corrective Action: No action is required.

CTD13CI STOPPING THE MONITOR monName

Explanation: This information message is issued when the monitor stops as a result of receiving the modify command /F CONTROLD,STOP=monName.

Corrective Action: No action is required.

CTD13DE THE MONITOR monName WAS NOT ORIGINALLY ACTIVE.

Explanation: The modify command /F CONTROLD,STOP=monName was issued, but the monName monitor was not activated when Control-D started.

Control-D cannot start a new monitor that was not activated when Control-D started.

The new monitor is not started.

Corrective Action: Correct the value of monName in the modify command.

CTD13EI MQ DECOLLATION IS ACTIVE

Explanation: This information message indicates a successful execution of the STARTMQ operator modify command.

MQ decollation for MQ Queues is now active.

Corrective Action: Control-D will start decollating messages from MQ Queues.

CTD140I GENERIC JOB DECOLLATION IS BEING DEACTIVATED

Explanation: This information message indicates a successful execution of the STOPGEN operator modify command.

Deactivation of Generic decollation from all Generic classes is in process.

Control-D will not start new decollations from Generic classes. Currently executing (decollating) missions will finish the processing of jobs whose output processing has already started.
Corrective Action: No action is required.

CTD141I STARTING THE SECONDARY CONTROL-D MONITOR monName

Explanation: This information message is a normal start message for initialization processing of the monName Control-D monitor.

The Control-D monitor activates the secondary monitor as an independent started task.
The Control-D monitor invokes the started task name, CONTROL?, where ? indicates the number of the monitor.

Corrective Action: No action is required.

CTD142I WAITING FOR THE SECONDARY CONTROL-D MONITOR monName TO START

Explanation: This information message indicates that although a start command has been issued by the Control-D monitor, the monName Control-D secondary monitor has not yet started.

This is due to one of the following:

- JES queues are busy.
- The secondary monitor procedure does not exist in the procedure library (PROCLIB).
- There is a JCL error in the secondary monitor procedure.

If this situation is not corrected, the Control-D monitor makes up to eight (8) attempts to initialize. After eight (8) unsuccessful attempts, the Control-D monitor shuts down.

Corrective Action:

- If JES queues are busy, no action is required.
- If there is a problem with the secondary monitor procedure, correct it, and start Control-D.

CTD143E SECONDARY CONTROL-D MONITOR monName ENDED ABNORMALLY. Control-D SHUTTING DOWN

Explanation: Highlighted, unrollable message.

The monName secondary Control-D monitor ended with errors. The IOA Log should contain additional messages concerning specific errors.

The Control-D monitor and the monName secondary monitor shut down.

Corrective Action: Check the IOA Log and the system log for the cause of the problem. If necessary, call the system programmer for assistance. Try to start the Control-D monitor again as soon as possible.

CTD144I WAITING FOR CONTROL-D SECONDARY MONITOR monName TO TERMINATE

Explanation: This information message indicates that a shutdown process command was issued from the Control-D monitor.
The Control-D monitor has issued a shutdown command to the secondary monitor `monName`, and is now waiting for the secondary monitor to shut down. This message may appear more than once. The secondary monitor will shut down at the end of the currently executing decollation.

**Corrective Action:** No action is required.

**CTD145E LIBRARY= libName MEMBER= memName CONTAINS INVALID DATA**

**Explanation:** The `memName` member in the `libName` library, which should contain a mission definition, actually contains improper mission identification data. The erroneous data card is displayed in message CTD032E, which follows this message.

The erroneous mission is not entered into the Active Mission file.

**Corrective Action:** Correct the mission definition and re-order it.

**CTD145I UNABLE TO READ THE MEMBER CTDPLEX FROM THE CTD PARM LIBRARY. RC= rc. THE SYSPLEX OPTION IS NOT ACTIVE.**

**Explanation:** The CTDPLEX member was not found in the Control-D PARM library.

In this message, `rc` is the error return code. For more information on these codes, see the description of IOAMEM in the *INCONTROL for z/OS Administrator Guide*.

The use of multiple monitors using SYSPLEX support is not activated.

**Corrective Action:** Ensure that the CTDPLEX member is present in the Control-D PARM library.

**CTD145S type MISSION missionName CONTAINS INVALID DATA**

**Explanation:** There is a mismatch between the mission type identified in the message to be processed, and the mission data contained in `missionName`. For instance, the user attempted to schedule a printing mission, but the mission data contains backup data.

The New Day procedure issues this message. For more information, see the sections on report decollating, printing, backup and restore missions, and on New Day processing, in the *INCONTROL for z/OS Administrator Guide*.

Processing of all mission order list statements stops. The New Day procedure ends with a return code of 08.

Correct any incorrect mission statements and rerun the New Day procedure. Make sure you only run the New Day procedure once.

**Corrective Action:** No action is required.

**CTD146I MQ DECOLLATION IS BEING DEACTIVATED**

**Explanation:** This information message indicates a successful execution of the STOPMQ operator modify command.

Deactivation of MQ decollation from all MQ QUEUES is in process.
**Corrective Action:** Control-D will not start new decollations from MQ QUEUES, although currently existing decollating missions will finish the processing of messages whose output processing has already begun.

**CTD146S INVALID DATA IN THE "PARM" FIELD**

**Explanation:** There is an error in the parameter input to the CTDRRQ, CTDPRQ, CTDBRQ, or CTDSRQ program.

This message is issued by:
- CLISTs that schedule missions manually - The supplied CLIST was incorrectly modified. For more information, see the INCONTROL for z/OS Administrator Guide.
- New Day procedure - The supplied JCL procedures were incorrectly modified. For more information, see New Day processing in the INCONTROL for z/OS Administrator Guide.

Processing of all mission data stops. The New Day procedure ends with return code 08.

**Corrective Action:** Correct the CLIST or job and rerun.

**CTD147E INVALID PARAMETER PASSED TO CTDMIS - NOTIFY THE IOA ADMINISTRATOR**

**Explanation:** Internal error in the CTDMIS module.

This message is issued by:
- CLISTs that schedule missions manually. For more information, see the INCONTROL for z/OS Administrator Guide.
- New Day procedure. For more information, see New Day processing in the INCONTROL for z/OS Administrator Guide.

The Active Missions file is not updated. The module ends with return code 08.

**Corrective Action:** Notify your IOA administrator.

**CTD148E INVALID RETURN CODE FROM CTDMIS - NOTIFY THE IOA ADMINISTRATOR**

**Explanation:** The CTDMIS module has an internal error.

This message is issued by:
- CLISTs that schedule missions manually.
- New Day procedure.

For more information, see the INCONTROL for z/OS Administrator Guide.

The Active Missions file is not updated. The module issues return code 08.

**Corrective Action:** Call your IOA administrator.

**CTD149E ERROR IN MISSION ORDER LIST**

**Explanation:** There is an error in a mission order list entry. The preceding message describes the error.
Processing of the other mission order list statements continues. The New Day procedure ends with a return code of 04.

**Corrective Action:** Check the preceding error message. Correct the error, then rerun the New Day procedure.

**CTD151S OPEN OF RECIPIENT TREE MEMBER FAILED - DDNAME "DATREE"**

**Explanation:** An attempt to open the Recipient Tree definition member failed.

Possible causes are:

- The DATREE DD statement is missing.
- The file allocated to the DATREE DD statement is not the Control-D Recipient Tree.
- The attempt to open the tree member referenced by the DATREE DD statement failed.

This message can be produced in the following situations:

- Initialization of the Control-D monitor and Printers Control monitor: The Control-D monitor will shut down.
- Security checking in the Online User Report List screen: The user will not be able to enter the User Report List screen.
- Using the KeyStroke Language (KSL) scripts: The job will end with errors. KSL reports will not be produced.
- Issuing Control-D operator command LOADTREE to a Control-D component: The new Recipient Tree will not be loaded. Control-D (or another component) will continue using the “old” Recipient Tree.

**Corrective Action:**

- Initialization of the Control-D monitor and Printers Control monitor: Modify the JCL procedure (CONTROLD/CTDPRINT) the DATREE DD statement to point to the correct library and member, and bring up Control-D.
- Security checking in the Online User Report List screen: Modify the CLIST (CTDISPF, CTMISPFD, DMAN, ROSDMAN, ROSTMAND, TMAND) the DATREE DD statement to point to the correct library and member, exit from the Control-D Online Facility, and reenter the Online Facility.
- The KeyStroke Language: Modify the JCL procedure (CTDRKSL/CTMRKSLD) to point to the correct library and member name, and rerun the job.
- The Control-D operator command LOADTREE was issued: Modify the Recipient Tree using the Online Recipient Tree Definition screen, and re-enter the LOADTREE operator command.

**CTD152E PARENT parent OF RECIPIENT recip IS NOT IN THE TREE OR PARENT LEVEL IS INCORRECT - RECIPIENT IGNORED**

**Explanation:** The recipient entry with the name and level specified in the parent name and parent level fields is not found in the Recipient tree.

Control-D has searched the entire tree and failed to find the parent name specified for the new recipient.

This message can be produced in the following situations:
when entering the Online User Report List screen
- the KeyStroke Language
- the Control-D operator command LOADTREE was issued
- the IOAOMON1 operator command LOADTREE was issued
- when IOAOMON1 is initialized
- when saving an edited tree
- when executing the CHECK command to verify the tree
- during the initialization of the Control-D monitor and Printers Control monitor

The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree.

**Corrective Action:** Correct the parent name in the Recipient Tree using the Online Recipient Tree Definition screen. Depending on the situation, take one of the following actions:

- Initialization of the Control-D monitor and Printers Control monitor: Issue a LOADTREE operator command to load in the new Recipient Tree.
- Entering the Online User Report List screen: Exit from the Control-D Online Facility, and re-enter the Online Facility.
- The KeyStroke Language: Rerun the job.
- The Control-D operator command LOADTREE was issued: Re-enter the LOADTREE operator command.
- The IOAOMON1 operator command LOADTREE was issued: Re-enter the LOADTREE operator command.
- When IOAOMON1 is initialized: Issue a LOADTREE operator command for IOAOMON1.
- When saving an edited tree: Correct the tree and resave.
- When executing a CHECK command: Correct the tree and re-issue the command.

**Explanation:** An invalid Recipient Tree level has been entered.

The Recipient Tree levels are installation defined (the CTDPARM member). The valid levels are displayed at the top of the Control-D Recipient Tree screen. This message can be produced under in one of the following situations:
when entering the Online User Report List screen

the KeyStroke Language

the Control-D operator command LOADTREE was issued

the IOAOMON1 operator command LOADTREE was issued

when IOAOMON1 is initialized

when saving an edited tree

when executing the CHECK command to verify the tree

during the initialization of the Control-D monitor and Printers Control monitor

The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree.

**Corrective Action:** Enter a valid Recipient Tree level in the Recipient Tree using the Online Recipient Tree Definition screen. Depending on the situation, take one of the following actions:

- Initialization of the Control-D monitor and Printers Control monitor: Issue a LOADTREE operator command to load in the new Recipient Tree.
- Entering the Online User Report List screen: Exit from the Control-D Online Facility, and re-enter the Online Facility.
- The KeyStroke Language: Rerun the job.
- The Control-D operator command LOADTREE was issued: Re-enter the LOADTREE operator command.
- The IOAOMON1 operator command LOADTREE was issued: Re-enter the LOADTREE operator command.
- When IOAOMON1 is initialized: Issue a LOADTREE operator command for IOAOMON1.
- When saving an edited tree: Correct the tree and resave.
- When executing a CHECK command: Correct the tree and re-issue the command.

**CTD154S INSUFFICIENT MEMORY TO LOAD THE RECIPIENT TREE - LOADING ABORTED**

**Explanation:** Insufficient memory to load the Recipient Tree.

The loading of the Recipient Tree is aborted. This message can be produced in the following situations:

- Initialization of the Control-D monitor and Printers Control monitor: The Control-D monitor will shut down.
- Security checking in the Online User Report List screen: The user will not be able to enter the Online Recipient Tree Definition screen.
- The KeyStroke Language: The job will end with errors. KSL reports will not be produced.
- The Control-D operator command LOADTREE was issued: The new Recipient Tree will not be loaded. Control-D will continue using the “old” Recipient Tree.

**Corrective Action:**
Initialization of the Control-D monitor and Printers Control monitor: Increase the REGION parameter of the Control-D monitor and Printers Control monitor - JCL procedures CONTROLD and CTDPRINT.

Security checking in the Online User Report List screen: Log on again using a larger SIZE parameter.

The KeyStroke Language: Increase the REGION parameter of the job, and rerun.

The Control-D operator command LOADTREE was issued: Increase the REGION parameter of the Control-D monitor and Printers Control monitor - JCL procedures CONTROLD and CTDPRINT. Bring down Control-D, and then up again.

CTD155S THE RECIPIENT TREE IS EMPTY. LOADING ABORTED

Explanation: The Recipient Tree is empty. Loading is aborted.

The Recipient Tree must be defined using the Installation Parameters. This message can be produced in the following situations:

Initialization of the Control-D monitor and Printers Control monitor: The Control-D monitor will shut down.

Security checking in the Online User Report List screen: The user will not be able to enter the Online Recipient Tree Definition screen.

The KeyStroke Language: The job will end with errors. KSL reports will not be produced.

The Control-D operator command LOADTREE was issued: The new Recipient Tree will not be loaded. Control-D will continue using the “old” Recipient Tree.

Corrective Action: Delete this Recipient Tree member from the library, then generate a new Recipient Tree using the Online Recipient Tree Definition screen. Depending on the situation, take one of the following actions:

Initialization of the Control-D monitor and Printers Control monitor: Bring up the Control-D monitor.

Security checking in the Online User Report List screen: Exit from the Control-D Online Facility, and re-enter the Online Facility.

The KeyStroke Language: Rerun the job.

The Control-D operator command LOADTREE was issued: Re-enter the LOADTREE operator command.

CTD156E USER "DEMO" IS RESERVED FOR CONTROL-D

Explanation: There is an attempt to add the user DEMO to the Control-D recipient tree. The Control-D environment reserves user name DEMO for demonstration and training purposes. It may not be specified as a user in the production system.

The operation is not performed.

Corrective Action: Specify a different user name to be added.

CTD157E INVALID LEVEL lvl OF PARENT parent IN RECIPIENT recip

Explanation: The Recipient Tree level entered for the parent of this recipient is invalid.

The valid levels are displayed at the top of the Recipient Tree screen. This message can be produced in the following situations:
during the initialization of the Control-D monitor and Printers Control monitor
- when entering the Online User Report List screen
- the KeyStroke Language
- the Control-D operator command LOADTREE was issued
- the IOAOMON1 operator command LOADTREE was issued
- when IOAOMON1 is initialized
- when saving an edited tree
- when executing the CHECK command to verify the tree

The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree.

**Corrective Action:** Correct the level for the parent using the Online Recipient Tree Definition screen. Depending on the situation, take one of the following actions:

- Initialization of the Control-D monitor and Printers Control monitor: Issue a LOADTREE operator command to load in the new Recipient Tree.
- Entering the Online User Report List screen: Exit from the Control-D Online Facility, and re-enter the Online Facility.
- The KeyStroke Language: Rerun the job.
- The Control-D operator command LOADTREE was issued: Re-enter the LOADTREE operator command.
- The IOAOMON1 operator command LOADTREE was issued: Re-enter the LOADTREE operator command.
- When IOAOMON1 is initialized: Issue a LOADTREE operator command for IOAOMON1.
- When saving an edited tree: Correct the tree and resave.
- When executing a CHECK command: Correct the tree and re-issue the command.

**CTD158E LEVEL lvl OF THE PARENT parent IS LOWER THAN THE LEVEL OF RECIPIENT recip**

**Explanation:** The level of the parent of the recipient is lower than the level of the recipient being defined.

The level of the parent must be higher than the level of the “child.” (Note that the order can be seen in the Recipient Tree Entry screen).

**Corrective Action:** Enter a parent name with a different level or give the recipient a lower level.

**CTD159E ERROR IN FREEMAIN OF PREVIOUS TREE, LOADING OF NEW TREE CONTINUED**

**Explanation:** The freeing of the memory for the previous Recipient Tree failed.
The Control-D operator command LOADTREE was issued in order to load in a new Recipient Tree. After loading memory for the “new” Recipient Tree, Control-D attempts to free the memory assigned to the “old” Recipient Tree.

The loading of the “new” Recipient Tree will be accepted. However, the memory allocated to the “old” tree will not be freed until Control-D is shut down.

**Corrective Action:** No action is required.

**CTD160I** CONTROL-D RECIPIENT TREE LOADED - *num* RECIPIENTS

**Explanation:** This information message indicates that the Recipient Tree was successfully loaded.

**Corrective Action:** No action is required.

**CTD161E** RECIPIENT *recip* ALREADY IN TREE - CURRENT RECIPIENT ENTRY IGNORED

**Explanation:** The recipient entered is already in the Recipient Tree. The current recipient entry is ignored.

A recipient name (not synonym) can only appear once in the Recipient Tree. This message can be produced in the following situations:

- when entering the Online User Report List screen
- the KeyStroke Language
- the Control-D operator command LOADTREE was issued
- the IOAOMON1 operator command LOADTREE was issued
- when IOAOMON1 is initialized
- when saving an edited tree
- when executing the CHECK command to verify the tree
- during the initialization of the Control-D monitor and Printers Control monitor

The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree (the first one will).

**Corrective Action:** Delete the duplicate recipient using the Online Recipient Tree Definition screen. Depending on the situation, take one of the following actions:
Initialization of the Control-D monitor and Printers Control monitor: Issue a LOADTREE operator command to load in the new Recipient Tree.

Entering the Online User Report List screen: Exit from the Control-D Online Facility, and re-enter the Online Facility.

The KeyStroke Language: Rerun the job.

The Control-D operator command LOADTREE was issued: reenter the LOADTREE operator command.

The IOAOMON1 operator command LOADTREE was issued: Re-enter the LOADTREE operator command.

When IOAOMON1 is initialized: Issue a LOADTREE operator command for IOAOMON1.

When saving an edited tree: Correct the tree and resave.

When executing a CHECK command: Correct the tree and re-issue the command.

CTD163E MAXIMUM NUMBER OF PC USERS IS EXCEEDED. PC INFO FOR USER usr IS IGNORED

Explanation: The number of users authorized for PC file transfer exceeds the maximum number of PC users defined in the PASDPC member in the IOA PARM library.

Maximum number of PC users in PARM library is defined at the time the license is received to use Control-D/WebAccess Server.

All users over maximum will not be able to use file transfer option.

Corrective Action: Set AUTHORIZED TO USE PC to N for some users in screen T, or obtain a new license with a greater number of PC users.

CTD1T01 FILE TRANSFER STARTED

Explanation: This information message indicates that the File Transfer monitor was started.

Corrective Action: No action is required.

CTD1T3E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

Explanation: An invalid parameter was passed to the File Transfer monitor by an operator modify command. A list of valid modify parameters is displayed on the operator console following this message.

The modify command is rejected.

Corrective Action: Enter an operator modify command with valid parameters.

CTD1T4S BLDL/ATTACH FAILED FOR TASK taskName

Explanation: Initialization of a File Transfer monitor internal task failed. The reason, system code, is on the computer log. Possible causes are:

- The task is not in the IOA Load library.
- There is insufficient memory for File Transfer monitor.

The File Transfer monitor shuts down.
**Corrective Action:** Refer to your system programmer for assistance. If necessary, increase the monitor REGION size.

**CTD1T5S UNRECOVERABLE ERROR ENCOUNTERED**

**Explanation:** An unrecoverable error occurred during operation of the File Transfer monitor, while trying to access to the Active Transfer file.

The File Transfer monitor shuts down.

**Corrective Action:** Examine relevant CTD9B1S-CTD9B9S messages, and take appropriate corrective action. If the problem is not resolved, send the IOA log and the CTDFTM file transfer monitor print-out to BMC Customer Support.

**Messages CTD200 through CTD2xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**CTD200I** **CTDCBTR STARTED.**

**Explanation:** This information message indicates that the CTDCBTR Control-D utility has started.

**Corrective Action:** No action is required.

**CTD201I** **CTDCBTR ENDED OK.**

**Explanation:** This information message indicates that the CTDCBTR Control-D utility has ended normally.

**Corrective Action:** No action is required.

**CTD202S** **INSUFFICIENT MEMORY FOR CONTROL-D MONITOR.**

**Explanation:** Insufficient memory for the initiation of Control-D monitor.

Control-D monitor will shut down.

**Corrective Action:** Increase the Control-D monitor region size.

**CTD202S** **CTDCBT ENDED WITH ERRORS.**

**Explanation:** The CTDCBTR Control-D utility ended with errors.

The utility stops executing.

**Corrective Action:** Check the job syslog for any error messages, and correct the problem accordingly. Rerun the job.

**CTD203S** **DELETE FAILED FROM BTR FILE**

**Explanation:** The CTDCBTR utility failed to delete a record from the Bundle Tracking (BTR) file.

The CTDCBTR utility terminates.
**Corrective Action:** Check for other messages relating to this problem, and correct accordingly. Rerun the utility.

**CTD204S PROBLEM DETECTED IN UTILITY CTDCBTR PARAMETERS.**

**Explanation:** A problem was detected in the input parameters of the CTDCBTR utility. This message can be triggered by a number of causes, for example, if no parameters were specified at all, or if the DABTRIN DD statement is absent.

The CTDCBTR utility ends.

**Corrective Action:** Check the parameters specified for the utility, and check for a DABTRIN DD statement. Correct the input accordingly and rerun the job.

**CTD205I NUMBER OF DELETED RECORDS: num**

**Explanation:** This information message indicates the number of records deleted by the CTDCBTR utility.

**Corrective Action:** No action is required.

**CTD206I INPUT CARDS: inputStmts.**

**Explanation:** This information message displays the input parameters which were specified in the JES log of the job for the CTDCBTR utility.

**Corrective Action:** No action is required.

**CTD207E REDUNDANT PARAMETER: inputStmt.**

**Explanation:** A superfluous parameter was specified for the CTDCBTR utility.

The CTDCBTR utility ends.

**Corrective Action:** Remove the superfluous input parameter and rerun the utility.

**CTD229S OPEN FAILED FOR DDNAME "DARES".**

**Explanation:** Open of a debugging output file failed (the DARES DD statement).

This is probably because the DARES DD statement is missing in the Control-D procedure. Control-D monitor will shut down with error message.

**Corrective Action:** Correct the JCL for the Control-D monitor procedure and start it again.

**CTD230S OPEN FAILED FOR DDNAME "DARESC" OR "DASINC".**

**Explanation:** Open of IOA Conditions file failed (the DARESC DD statement or the DASINC DD statement).

Possible causes are:
The DARESC DD statement is missing.

The DASINC DD statement is missing.

The data set described by the DARESC DD statement is not the IOA Conditions file.

The data set described by the DASINC DD statement is not the IOA Conditions synchronization file.

The data set described by the DARESC DD statement is the IOA Conditions file, but it is of a different version or of a different Control-D monitor.

Control-D monitor shuts down with error message.

**Corrective Action:** Correct the JCL for the Control-D procedure, and start the procedure again.

CTD241W OUTPUT CONDITION cond_date NOT UPDATED - NO MORE SPACE. NOTIFY THE IOA ADMINISTRATOR.

**Explanation:** Highlighted, unrollable message.

No more space to add output conditions to the conditions file. The date is in mmd format.

The record for that specific day of the month is full. For example, if a condition with date reference of January 3rd cannot be added, an entry in the Conditions file that contains conditions for January 3rd, February 3rd, March 3rd, and so on, is full.

The condition is not added, and a highlighted message is displayed on the operator console. Control-D continues to function, but missions that depend on the condition are not submitted.

**Corrective Action:**

Immediate action:

1. Enter Control-D Online Facility Resource Map (screen 4). By changing the date range limit, look for conditions with the same day (but of a different month) as the condition that could not be added, and delete them manually - providing that they are not needed.

2. Add the failing condition manually in order to maintain production flow.

3. Report the event to your system programmer.

Long term action:

4. You should run the IOACLND Control-M utility more often.

5. You may want to increase the record length of the IOA Conditions file. For more information on how to do this, see the section on expanding IOA files in the *INCONTROL for z/OS Administrator Guide*.

CTD256E ERROR WHILE READING SYSOUT FROM SPOOL OR FROM CDAM FILES

**Explanation:** Internal Control-D error.

The status of this decollating mission is set to ENDED NOTOK.

**Corrective Action:** Look for additional messages on the IOA Log. Call BMC Software Customer Support for assistance.
CTD260E ERROR IN ACTIVE USER REPORTS LIST FILE. USER UPDATE FAILED.

**Explanation:** The update to the Active User Report List file failed. Perhaps the Active User Report List file is full or the Index component is corrupted.

The status of this decollating mission is set to ENDED NOTOK.

**Corrective Action:** Examine relevant CTDU99E and CTD908S messages, take appropriate corrective action, and then rerun the decollating mission. Use the CTDDIG utility to check the integrity of the user file. If the problem persists, contact BMC Customer Support.

CTD261E SEVERE ERROR WHILE LOCATING SYSOUT PARAMETERS FROM JES

**Explanation:** Highlighted, unrollable message.

An internal test of the JES control blocks failed.

Control-D retrieves data set characteristics from the JES2 control blocks. These blocks are release-dependent. To avoid abends, Control-D tests the blocks at the beginning of its process. If the test fails, the CTD261E message is displayed.

This error is often caused by MSGCLASS for started tasks being set to PURGE or DUMMY. Control-D uses the settings of MSGCLASS for started tasks for test SYSOUT.

Snaps are produced and put in the DADUMP DD statement. Control-D continues to process without retrieving characteristics from the JES Control Blocks.

**Corrective Action:** Do the following:

1. Ensure that the MSGCLASS output class for the started task (STC) in the JES2PARM member of the SYS1.PARMLIB library is not set to PURGE or DUMMY.
2. If MSGCLASS is set correctly, collect the relevant snaps from the DADUMP DD statement and contact BMC Software Customer Support.

CTD266E CTDPARM GENOTFND SETTING INVALID FOR CURRENT ENVIRONMENT - GENERIC DECOLLATION PROCESSING STOPPED.

**Explanation:** The setting of the GENOTFND parameter in CTDPARM is not supported by the MVS/JES configuration of the computer.

Some options of the GENOTFND parameter in CTDPARM are valid only in certain MVS/JES configurations. For example, JES3 supports only CLASS and DELETE as values for the GENOTFND parameter.

For a description of the GENOTFND parameter, see the Control-D chapter of the INCONTROL for z/OS Installation Guide.

The unmatched sysout file remains unchanged.

**Corrective Action:** Do the following:

1. Manually remove the problematic sysout from the generic class.
2. Correct the GENOTFND parameter in CTDPARM.
3. Restart the Control-D monitor after compiling CTDPARM.
CTD26AE MISSION ABENDED S nnn U nnnn.

Explanation: Highlighted, unrollable message.

The decollation mission abended with the system code or the user code or both these codes displayed in this message.

The decollation mission finishes NOTOK. Control-D tries to process other missions.

Corrective Action: If Control-D cannot process other missions, stop and restart the Control-D monitor. Save the job log of the Control-D decollation monitors and the output referenced by DD statement IODUMP of the decollation monitor which processed the problematic mission. Call BMC Software Customer Support.

CTD26BE SUBSYSTEM REQUEST FAILED FOR JOB jobName. RC15= rc, SSOBRETN= rtrn_code.

Explanation: A “sysout processing” request caused an unexpected return code to be received from JES. JES was unable to satisfy the request.

The variables in this message are:
- jobName - the name of the relevant job
- rc - the code returned in register 15
- rtrn_code - the contents of the SSOBRETN field of the request block

Corrective Action: Verify that JES is active and functions normally. If JES is functioning normally, save all sysouts of this execution of the Control-D monitor and contact BMC Software Customer Support. Request RESTORE of the problematic report again.

CTD271I GENERIC JOB DECOLLATION IS INACTIVE

Explanation: This information message indicates that Generic Processing is not active. The reason the message is issued depends in which of the following formats the message is issued.

- regular, rollable message - indicates that the corresponding Control-D monitor does not perform the Generic Processing. The Control-D monitor issues the message when it is started and after new day processing.
- highlighted, unrollable message - indicates that a job is waiting to be decollated in one of the Generic classes, but Generic Processing is not active. This message will appear every 10 minutes, until Generic Processing is activated.

Control-D continues processing, but no Generic Processing will be done.

Corrective Action: Use the following guidelines to resolve the problem:
If you have Generic Missions that CTDNDAY processing should order, ensure that the GENLIST member contains the library and table name for your Generic Missions.

If you have a Library and table names in the GENLIST member, ensure that the MEMBERS really exist in the library. Also verify that the library is the correct name.

Check to see if CTDNDAY processing had an error during the ordering of GENLIST. If an error occurred the deactivation of Generic Processing is automatic.

Check to see if someone issued the STOPGEN command.

Issue the following command, to activate Generic Processing:

F CONTROLD,STARTGEN

The application will respond by displaying the following message:

CTD139I GENERIC JOB DECOLLATION IS ACTIVE ON CLASSES (claslist)

To verify your classes, check the GENCLAS= parameter in the CTDPARM member.

Note:
If there are NO Generic Missions being ordered during the CTDNDAY processing, you need to manually activate Generic Processing if you are manually Forcing/Ordering Generic Missions.

For more information on activating and deactivating generic processing, see the INCONTROL for z/OS Administrator Guide.

CTD272I SYSOUT REMOVED FROM QUEUE. GENERIC DECOLLATING MISSION NOT FOUND FOR JOB jobName.

Explanation: This information message indicates that Control-D found a non-held output on one of the classes dedicated for Generic processing. There is a Generic decollating mission for the class, but there is no applicable decollating mission for the sysout.

Whenever a non-held output appears on the spool in one of the classes defined for Generic processing, Control-D looks for a Generic decollating mission (on the Active Missions file) which matches the job name. If a match is not found, the sysout is processed according to the GENOTFND Control-D installation parameter. For more information, see the Control-D chapter in the INCONTROL for z/OS Administrator Guide.

Corrective Action: Check to see if the Generic decollating mission for this job should be on the Active Missions file. If so, order the decollating mission. If not, purge the sysout.

CTD273I SYSOUT CLASS CHANGED FROM CLASS x TO ESCAPE CLASS y.

Explanation: This information message indicates that Control-D found a non-held output on one of the classes dedicated for Generic processing. There is a Generic decollating mission for the class, but there is no applicable decollating mission for the sysout.

Whenever a non-held output appears on the spool in one of the classes defined for Generic processing, Control-D looks for a Generic decollating mission on the Active Missions file that matches the job name. If a match is not found under JES3, Control-D changes the sysout’s class to an Escape Class as specified in the GENOTFND Control-D installation parameter, and the output remains on the spool. For more information, see the INCONTROL for z/OS Administrator Guide.
**Corrective Action:** Check to see if the Generic decollating mission for this job should be Active on the Active Missions file. If so, order the decollating mission. If not, purge the sysout.

**CTD276I** MESSAGE MOVED TO MQ ESCAPE QUEUE *queueName*

**Explanation:** This information message indicates that the message was moved to the *queueName* queue that was defined in the CTDMQPRM parameter of the MQNOTFIND CTD PARM member.

**Corrective Action:** No action is required.

**CTD282I** *text (usr)*.

**Explanation:** Highlighted, unrollable message.
This information message is activated by the SHOUT Facility.
The variables in this message are:
- *text* - the information
- *usr* - the user ID of the job order requesting the SHOUT

**Corrective Action:** No action is required.

**CTD284I** NEW DYNAMIC DESTINATION TABLE LOADED.

**Explanation:** This information message indicates that a new Dynamic Destination Table has been loaded by the Control-D monitor. The message also appears on initialization of the SHOUT Facility under the Control-D monitor.

**Corrective Action:** No action is required.

**CTD285W** DYNAMIC DESTINATION TABLE NOT LOADED.

**Explanation:** Loading of the Dynamic Destination Table by the Control-D monitor failed.
It could be due to one of the following:
- There is insufficient memory for loading the table.
- The IOADEST table does not exist in the IOA PARM library.

If the failure happens during the initialization of the Control-D monitor, then SHOUT notifications will not be controlled by the Dynamic Destination Table. If this happens as a result of an *F CONTROLD,NEWDEST* command (operator command instructing the Control-D monitor to load a new Destination Table), the old destination table will remain in effect.

**Corrective Action:** Check the MVS Log for the reason for the failure (probably a system abend code). Correct the problem and then, in order to load the table, issue the operator command *F CONTROLD,NEWDEST.*

**CTD286E** RULER DEFINITION TOO LONG (NOT SAVED). TRY TO OMIT "INSERTED" LINES

**Explanation:** Ruler definition exceeded the maximum allowed length.
The rule is not saved.
Corrective Action: Decrease size of the ruler by omitting Inserted lines.

CTD295E PLEASE FILL IN STRING, FROM COLUMN AND UNTIL COLUMN
Explanation: One of the obligatory fields was not specified in the ruler definition screen. String and column fields must be filled in.
Corrective Action: Fill in these fields.

CTD296E COLUMN MUST BE A THREE DIGIT NUMBER (000-255)
Explanation: Column specification is incorrect. Column number must contain only digits.
Corrective Action: Enter correct column number.

CTD297E "TO COL" MUST BE GREATER THAN "FROM COL"
Explanation: Column specification is incorrect. FROM column number must be not greater than TO column number.
Corrective Action: Enter correct column numbers.

CTD298E LINE MUST BE A THREE DIGIT NUMBER 001-255 OR L99-L01
Explanation: The specified line is out of range. Line range is 001-255 or L99-L01 (from the bottom of the page).
Corrective Action: Correct the line range specification.

CTD299E "TO LINE" MUST BE GREATER THAN "FROM LINE"
Explanation: The specified FROM LINE is greater than the specified TO LINE. The TO LINE value must be greater than or equal to the FROM LINE value.
Corrective Action: Correct the TO LINE and/or FROM LINE values.

CTD29BW INSUFFICIENT MEMORY TO COMPLETE PROCESSING OF THE PRINT RULER rulerName FOR REPORT recipientName / jobName / reportName
Explanation: This warning message is issued if there is insufficient memory for using PRINT RULER rulerName for report recipientName / jobName / reportName. The report is printed without the ruler formatting.
Corrective Action: Increase region size of the corresponding address space and rerun printing.

CTD2T0I FILE TRANSFER MONITOR SHUTTING DOWN
Explanation: Highlighted, unrollable message.
This information message indicates that the File Transfer monitor is shutting down.
Corrective Action: No action is required.
CTD2T1S FILE TRANSFER MONITOR ENDED WITH ERROR

Explanation: This information message indicates that the File Transfer monitor ended with an error.

Corrective Action: In the printout of the File Transfer monitor, check the messages which preceded this FTM121S message for an indication of the cause of the error, and take appropriate corrective action.

CTD2T2W FILE TRANSFER MONITOR IS ACTIVE. QNAME "qName"

Explanation: Highlighted, unrollable message.

The user attempted to activate the File Transfer monitor when it was already active. More than one File Transfer monitor cannot be active at the same time.

The new File Transfer monitor is not activated.

Corrective Action: No action is required.

CTD2T5I validModifyParm

Explanation: This information message displays a valid modify parameter that can be used in File Transfer monitor operator commands. It is issued together with the FTM103E message.

Corrective Action: No action is required.

CTD2T8S RECIPIENT TREE WAS NOT LOADED BECAUSE OF ERROR - MONITOR IS TERMINATING

Explanation: The attempt to load the Recipient Tree failed. As part of the initialization process, the File Transfer monitor attempts to load the Recipient Tree.

The File Transfer monitor shuts down.

Corrective Action: Check other messages in the IOA log and JES log to determine why the Recipient Tree could not be loaded. Fix the Recipient Tree. Then try again to start the File Transfer monitor.

CTD2T9S NO RECIPIENTS WERE FOUND WITH IP ADDRESS. MONITOR IS TERMINATING

Explanation: The File Transfer monitor was unable to find a recipient with an IP address.

The File Transfer monitor terminates.

Corrective Action: Contact BMC Software Customer Support.

CTD2TAS SUBTASK IS TERMINATED BY TIMEOUT FOR IPA = ipAdd

Explanation: The subtask has timed out and been terminated.

The monitor main task periodically checks the status of all its subtasks. When the CPU of a subtask has not changed since the last check, the subtask is considered to be inactive ("hanging"), and the main task of the monitor interrupts the subtask.

The subtask is terminated.
Corrective Action: In the printout of the File Transfer monitor, and in the log of your PC session manager, check the messages which preceded this FTM121S message for an indication of the reason why the subtask was left inactive, and take appropriate corrective action.

CTD2TBS SUBTASK IS TERMINATED BY CANCEL REQUEST FOR IPA = ipAdd. PORT = portNumber.
Explanation: The File Transfer monitor subtask with the IP address identified in this message has been terminated by an operator modify CANCEL command.
The identified subtask is terminated.
Corrective Action: No action is required.

CTD2TCS THERE ARE NO ACTIVE SUBTASKS
Explanation: This information message indicates that the File Transfer monitor has no active subtasks.
Corrective Action: No action is required.

CTD2TDS FORMAT OF THE MODIFY COMMAND IS NOT CORRECT
Explanation: An invalid operator modify command has been entered.
The command is rejected.
Corrective Action: Correct and reissue the operator modify command.
For more information, see the File Transfer Monitor section in the Control-D chapter in the INCONTROL for z/OS Administrator Guide.

CTD2TES THE SUBTASK NUMBER IS NOT DIGITAL
Explanation: An invalid subtask number has been specified in an operator modify CANCEL command.
The command is rejected.
Corrective Action: Enter a valid subtask number and reissue the command.

CTD2TFS THE SUBTASK NUMBER EXCEEDS THE TOTAL NUMBER OF THE ACTIVE SUBTASKS
Explanation: The subtask number entered in an operator modify CANCEL command is invalid, because it is greater than the total number of active subtasks.
For more information, see the File Transfer Monitor section in the Control-D chapter in the INCONTROL for z/OS Administrator Guide.
The command is rejected.
Corrective Action: Enter a valid subtask number in the operator modify CANCEL command and reissue the command.
CTD2TGS SUBTASK IS ALREADY NOT ACTIVE FOR IPA = ipAdd PORT = portNumber

Explanation: The File Transfer monitor subtask with the ipAdd IP address and portNumber port number is already inactive.
The command is rejected.
Corrective Action: No action is required.

CTD2THS SUBTASK IS TERMINATED BY SUSPEND FOR IPA = ipAdd PORT = portNumber

Explanation: The File Transfer monitor subtask with the ipAdd IP address and portNumber port number has been terminated by an operator modify SUSPEND command.
The subtask is terminated.
Corrective Action: No action is required.

CTD2TIS IPA SPECIFIED IN THE CANCEL COMMAND IS NOT CORRECT.

Explanation: An invalid IP address was specified in an operator modify CANCEL command.
The command is rejected.
Corrective Action: Enter a correct IP address in the CANCEL command and reissue the command.

CTD2TJS THE INTERVAL PARAMETER VALUE IS NOT DIGITAL.

Explanation: An invalid File Transfer monitor sleeping interval has been specified in an operator modify command.
The File Transfer monitor sleeping interval must be a 3-digit number from 1 through 999 seconds.
For more information, see the File Transfer Monitor section in the Control-D chapter in the INCONTROL for z/OS Administrator Guide.
The operator modify command is rejected.
Corrective Action: Enter a valid value for the File Transfer monitor sleeping interval and reissue the command.

CTD2TKI THE MODIFY COMMAND cmdText IS ACCEPTED

Explanation: This information message indicates that the cmdText modify command has been accepted by the File Transfer monitor.
Corrective Action: No action is required.

Messages CTD300 through CTD3xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
CTD304E  func NOT OK WITH cc Y REASON CODE rsn MQ NAME uuuuuuu

Explanation: An error was detected during interface with IBM WebSphere MQ Series.

The variables in this message are:

- **func** - can be one of the following interface functions:
  - MQCONN
  - MQDISC
  - MQOPEN
  - MQGET
  - MQPUT
  - MQCLOS
  - MQCOMMT

- **cc** - the completion code, which can be one of the following:
  - 0
  - 1,,,
  - 2

- **rsn** - the reason code, which can have many different values. More detailed information about reason codes is included in the IBM WebSphere MQ Series documentation set.

System action is determined by the completion code and reason code combination. More detailed information about these codes is included in the IBM WebSphere MQ Series documentation set.

Corrective Action: User response to a particular completion and reason code combination is determined by that combination. More detailed information about these codes is included in the IBM WebSphere MQ Series documentation set.

CTD305E INSUFFICIENT MEMORY TO DECOLLATE MESSAGE FROM MQ

Explanation: Insufficient memory to decollate the message from the IBM WebSphere MQ queue.

Corrective Action: Increase the Control-D monitor REGION size.

CTD306E IOAUCODE INITIALIZATION FAILED RC rc REASON rsn

Explanation: An error was detected during initialization of the table used in the translation of an XML report or in the checking of Xpath values of the mission definition. The message can be issued from

- the R screen
- the A.Z screen
- the Control-D monitor

Possible causes of this error are:
the ENCODTBL member was not found in the IOA IOAENV library

the ENCODTBL member contains more than 100 entries

some other internal error

The system performs the following actions:

Mission definition edition is terminated. The IOAE2FS (International format) issues on the R.S and A.Z screens.

The translation of the XML report does not proceed. Control-D continues processing.

**Corrective Action:**

Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate the IOA Online facility, and continue the mission definition edition.

or

Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate Control-D, and run this mission again.

If the problem persists contact BMC Software Customer Support.

**CTD307E UNICODE TRANSLATION FAILED RC rc REASON rsn**

**Explanation:** An error was detected during translation of an XML report to EBCDIC or during the checking of Xpath-values of the mission definition for XML reports. The message can be issued from

- the R screen
- the A.Z screen
- the Control-D monitor

The variables in this message are:

- rc - the return code. Valid values of rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Incomplete translation, due to separator (FF)</td>
</tr>
<tr>
<td>8</td>
<td>The encoding pair that was specified in ENCODTBL is not supported</td>
</tr>
<tr>
<td>12</td>
<td>The input data in the XML report was incorrect</td>
</tr>
<tr>
<td>16</td>
<td>Internal error: incorrect parameters</td>
</tr>
<tr>
<td>20</td>
<td>One of the members that was specified in ENCODTBL was not found in the IOA IOAENV library</td>
</tr>
</tbody>
</table>

- rsn - the code that disclosed the detailed reason for the internal error

The system performs the following actions:
Mission definition edition is terminated. The IOAE2FS (International format) is issued on the R.S and A.Z screens.

The translation of the XML report does not proceed. Control-D continues processing.

**Corrective Action:**

- Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate the IOA Online facility, and continue the mission definition edition.

  or

- Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate Control-D and run this mission again.

If the problem persists contact BMC Software Customer Support.

**CTD30AI MQ DECOLLATION IS STOPPED**

**Explanation:** The MQ interface process has stopped.

This message can appear for two reasons:

- The STOPMQ modify command was issued
- Errors occurred during MQ interface

**Corrective Action:** If errors occurred during MQ interface, review the LOG to determine the cause, make appropriate corrections, and issue the STARTMQ modify command.

**CTD30BE LOADING OF MODULE OF MQ STUB IS FAILED, THE NAME IS mmmmmmmmmm**

**Explanation:** The prefix LOAD library is not installed or the IBM WebSphere MQ Series is not installed for the user, but an MQ decollation mission was defined.

The CTD30AI message will be issued and IBM WebSphere MQ decollation will be stopped.

**Corrective Action:** If the IBM WebSphere MQ Series is not installed, delete the MQ mission. Otherwise correct your installation configuration and then issue the STARTMQ modify command.

**CTD30CE ANY OF MQ QUEUES CAN NOT BE OPENED**

**Explanation:** Control-D tried to retrieve a message from every IBM WebSphere MQ queue, but all attempts failed.

The CTD30AI message will be issued and IBM WebSphere MQ decollation will be stopped.

Review previous messages and issue appropriate responses. After you perform the necessary corrections, issue the STARTMQ modify command.

**Corrective Action:** No action is required.

**CTD30DI MQ QUEUE IS BEING CLOSED BECAUSE PUT/GET IS FAILED, QUEUE NAME dddddddd**

**Explanation:** The access to this IBM WebSphere MQ Series queue is being closed because of failure of MQPUT for the ESCAPE MQ queue, or failure of MQGET for the MQ queue.
Control-D continues processing MQ decollations until this message is issued for all MQ queues.

**Corrective Action:** For additional information see the IBM WebSphere MQ Series documentation set.

**CTD30EE MEMBER CTDMQPRM IS NOT FOUND IN CTD PARM OR VALUE OF MQNOTFIND PARAMETER IS NOT DEFINED**

**Explanation:** The CTDMQPRM member was not found in CTD PARM, or the value of the MQNOTFIND parameter has not been defined.

The CTD30AI message will be issued and IBM WebSphere MQ decollation will be stopped.

Define the CTDMQPRM member or add the name of the MQNOTFIND parameter; then issue the STARTMQ modify command.

**Corrective Action:** No action is required.

**CTD310S OPEN OF RECIPIENT TREE (DD STATEMENT "DATREE") FAILED**

**Explanation:** Open of the Control-D Recipient Tree failed. There is a problem with the DATREE DD statement in the Control-D CLIST.

It is due to one of the following:

- The DD statement DATREE is missing.
- If the DD statement DATREE is allocated to a library, the requested member name is not found.

You will not be able to use the User Report List screen.

**Corrective Action:** Correct the Control-D entry CLIST DMAN (or TMAND or other) to include the DD statement DATREE. Then exit the Control-D Online Facility, and reenter.

**CTD311S SECURITY VIOLATION - YOU ARE TRYING TO BYPASS THE RECIPIENT TREE**

**Explanation:** The Recipient Tree data set name or member name is incorrect. Control-D security exit CTDX004 checks if the data set name and member name of the DATREE DD statement are correct.

You will not be able to use the User Report List screen.

**Corrective Action:** Do one of the following

- Correct the Control-D entry CLIST by changing the data set name or the member name of the Recipient Tree. Then exit from the Control-D Online Facility, and reenter it.
- Correct security exit CTDX004 in the SAMPEXIT library by checking for the correct Recipient Tree data set name or member name. The called routine is TREEVER. Then exit the Control-D Online Facility, and reenter it.

**CTD312S ERROR WHILE LOADING THE RECIPIENT TREE**

**Explanation:** The loading of the Control-D Recipient Tree failed. An appropriate error message is displayed on the operator console and the IOA Log. The error message specifies the exact cause of the problem.

**Note:**
Il error messages relating to the Recipient Tree on the IOA Log start with TRE.
You will not be able to use the User Report List screen.

**Corrective Action:** Correct the Recipient Tree. Then exit from the Control-D Online Facility, and re-enter it.

**CTD313E YOU ARE NOT AUTHORIZED TO RECEIVE REPORTS FOR THIS RECIPIENT**

**Explanation:** The user has specified a value in a filter for the RECIPIENT field, and is not authorized to view report entries for recipients that match this value.

The requested function is not performed.

**Corrective Action:** To obtain authorization to view these report entries, contact your INCONTROL administrator.

**CTD314E YOU ARE NOT AUTHORIZED TO DO THIS ACTION**

**Explanation:** You are not authorized to perform this function on the User Report List file.

The attempt to perform one of the following functions does not have the required authorization:

- add an entry
- update an entry
- delete an entry
- restore a report
- reprint a report

The requested function is not performed.

**Corrective Action:** To get authorization to perform this function, call your INCONTROL administrator.

This message is the result of the action of the Control-D Security Exit CTDX004. For more information, refer to the following routines within this exit:

- RECINS - add an entry
- RECUPD - update an entry
- RECDEL - delete an entry
- RECRST - restore a report
- RECRPRT - reprint a report

**CTD315I SOME REPORTS WERE HIDDEN BY USER SECURITY EXIT**

**Explanation:** This information message indicates that, for security reasons, one or more reports on the User Report List file was not displayed. The RECCONF routine of Control-D security exit CTDX004 determined that the requestor is not authorized to look at some report entries on the User Report List screen.

One or more report entries on the User Report List file is hidden.
Corrective Action: No action is necessary. All entries for which there is authorization will be visible. To see all report entries, call your INCONTROL administrator.

CTD316E YOU CANNOT UPDATE THE COP# ABOVE THE MAXIMUM SPECIFIED ON DECOLLATION

Explanation: The number of copies on the User Report List screen is above the maximum. The maximum number of copies allowed for this report is specified in the Report Decollating Mission Definition screen. The number of copies on the User Report List screen cannot be greater than the maximum number of copies on the Report Decollating Mission Definition screen. The User Report List file is not updated.

Corrective Action: Do one of the following:
- Change the number of copies to a lower value.
- Ask the INCONTROL administrator to increase the maximum number of copies allowed.

CTD317E USER DOES NOT EXIST IN THE RECIPIENT TREE

Explanation: This user to be added or deleted to the User Report List file is not defined in the Control-D Recipient Tree. The User Report List file is not updated.

Corrective Action: Do one of the following:
- Correct the user to be added or updated.
- Request the INCONTROL administrator to add the user to the Recipient Tree.

CTD318S YOU ARE NOT AUTHORIZED TO USE THIS SCREEN


Corrective Action: To get authorization to enter the User Report List screen, contact your INCONTROL administrator.

CTD319E YOU ARE NOT AUTHORIZED TO LOOK AT $SYSDATA RECORDS

Explanation: You are not authorized to look at $SYSDATA records on the User Report List screen. Control-D security exit CTDX004 (routine USERLIST) determined that you cannot look at $SYSDATA records. The requested $SYSDATA entries are not displayed.

Corrective Action: To get authorization to look at $SYSDATA records, contact your INCONTROL administrator.

CTD31AE YOU ARE NOT AUTHORIZED FOR THIS APPROVAL

Explanation: The user has specified a value in a filter for the APPROVAL NAME field, and is not authorized to view report entries for Approval names that match this value.
The requested function is not performed.

**Corrective Action:** To obtain authorization to view these report entries, contact your INCONTROL administrator.

**CTD320S UNABLE TO VIEW THIS REPORT - ALL COMPRESSED DATASETS WERE DELETED**

**Explanation:** There are no compressed data sets for this report entry on the User Report List screen. You attempted to perform the V (View) function on the User Report List screen. The IOATOLV Control-D internal program was unable to find any compressed data sets for this report entry.

The view function is not performed.

**Corrective Action:** Ask the INCONTROL administrator to check why all the compressed data sets for this report were deleted.

**CTD321S UNABLE TO VIEW THIS REPORT - RC FROM IOATOLV=rc**

**Explanation:** The report cannot be viewed due to an error in the IOATOLV internal module or in a routine called by it, which resulted in return code `rc`. The V(View) option was specified on the User Report List screen. The IOATOLV internal module was called to perform the view function.

The following table shows the problem indicated by each return code, the routine in which it occurred, and the suggested action to take.

<table>
<thead>
<tr>
<th>rc</th>
<th>Routine</th>
<th>Explanation</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>IOATOLV</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>08</td>
<td>IOATOLV</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>IOATOLV</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>20</td>
<td>IOATOLV</td>
<td>Too many GETMAINs - report too large.</td>
<td>2</td>
</tr>
<tr>
<td>24</td>
<td>IOATOLV</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>28</td>
<td>IOATOLV</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>32</td>
<td>IOATOLV</td>
<td>All compressed data sets were deleted.</td>
<td>1</td>
</tr>
<tr>
<td>204</td>
<td>CTVINX#</td>
<td>Index access internal error. Invalid function code passed to routine.</td>
<td>1</td>
</tr>
<tr>
<td>220</td>
<td>CTVINX#</td>
<td>Index access internal error. Unexpected end of file reached on index file.</td>
<td>1</td>
</tr>
<tr>
<td>224</td>
<td>CTVINX#</td>
<td>Index access internal error. Open error on the index file.</td>
<td>1</td>
</tr>
<tr>
<td>rc</td>
<td>Routine</td>
<td>Explanation</td>
<td>Action</td>
</tr>
<tr>
<td>-----</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>236</td>
<td>CTVINX#</td>
<td>Index access, internal error. Error in reading the continuation records.</td>
<td>1</td>
</tr>
<tr>
<td>240</td>
<td>CTVINX#</td>
<td>Index access, internal error. Unexpected end of file reached on index file.</td>
<td>1</td>
</tr>
<tr>
<td>244</td>
<td>CTVINX#</td>
<td>Index access, internal error. Invalid parameter passed to read index routine.</td>
<td>1</td>
</tr>
<tr>
<td>248</td>
<td>CTVINX#</td>
<td>Index access, internal error. Problem in the search for the index value.</td>
<td>1</td>
</tr>
<tr>
<td>252</td>
<td>CTVINX#</td>
<td>Index access, internal error. Dynamic deallocation of index file failed.</td>
<td>1</td>
</tr>
<tr>
<td>280</td>
<td>CTVINX#</td>
<td>Index access, internal error. Open of subindex failed. Invalid code from CTVSRTN.</td>
<td>1</td>
</tr>
<tr>
<td>284</td>
<td>CTVINX#</td>
<td>Index access, internal error. Close of subindex failed. Invalid code from CTVSRTN.</td>
<td>1</td>
</tr>
<tr>
<td>288</td>
<td>CTVINX#</td>
<td>Index access, internal error. Locate subindex failed. Invalid return code from CTVLSUB.</td>
<td>1</td>
</tr>
<tr>
<td>292</td>
<td>CTVINX#</td>
<td>Index access, internal error. Close subindex was requested but no subindexes are open.</td>
<td>1</td>
</tr>
<tr>
<td>296</td>
<td>CTVINX#</td>
<td>Index access, internal error. Error in FREEMAIN.</td>
<td>1</td>
</tr>
<tr>
<td>300</td>
<td>CTVINX#</td>
<td>Index access, internal error. Locate of value failed under Quick Access.</td>
<td>1</td>
</tr>
<tr>
<td>304</td>
<td>CTVINX#</td>
<td>Index access, internal error. Open subindex failed under Quick Access.</td>
<td>1</td>
</tr>
<tr>
<td>316</td>
<td>CTVINX#</td>
<td>Index access, internal error. PREPINX failed under Quick Access.</td>
<td>1</td>
</tr>
<tr>
<td>324</td>
<td>CTVINX#</td>
<td>Index access, internal error. Inconsistent IXA table and IXT table under Quick Access.</td>
<td>1</td>
</tr>
<tr>
<td>rc</td>
<td>Routine</td>
<td>Explanation</td>
<td>Action</td>
</tr>
<tr>
<td>-----</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>328</td>
<td>CTVINX#</td>
<td>Index access, internal error. Invalid request code passed to CTVSINX.</td>
<td>1</td>
</tr>
<tr>
<td>332</td>
<td>CTVINX#</td>
<td>Index access, internal error. Internal error in CTVSINX.</td>
<td>1</td>
</tr>
<tr>
<td>336</td>
<td>CTVINX#</td>
<td>The IOA Archive Server not active.</td>
<td>4</td>
</tr>
<tr>
<td>340</td>
<td>CTVINX#</td>
<td>Index access, internal error. Block not in cache.</td>
<td>1</td>
</tr>
<tr>
<td>344</td>
<td>CTVINX#</td>
<td>Error in cache routine. OSIS (open session entry) was not active.</td>
<td>4</td>
</tr>
<tr>
<td>348</td>
<td>CTVINX#</td>
<td>Index access, internal error. Error moving $index record or user RBA ranges to IOA Archive Server.</td>
<td>1</td>
</tr>
<tr>
<td>368</td>
<td>CTVINX#</td>
<td>Index access, internal error. GETMAIN failed.</td>
<td>1</td>
</tr>
<tr>
<td>400</td>
<td>CTVINXR</td>
<td>Index access, internal error. Invalid function code passed to routine.</td>
<td>1</td>
</tr>
<tr>
<td>404</td>
<td>CTVINXR</td>
<td>Index access internal error. Load of CTVINX# failed.</td>
<td>1</td>
</tr>
<tr>
<td>424</td>
<td>CTVINXR</td>
<td>Index access internal error. No more room for IXP entries.</td>
<td>1</td>
</tr>
<tr>
<td>428</td>
<td>CTVINXR</td>
<td>Index access, internal error. Problem reading continuation error.</td>
<td>1</td>
</tr>
<tr>
<td>432</td>
<td>CTVINXR</td>
<td>Index access, internal error. Index name found in IXA table not found in $INDEX record.</td>
<td>1</td>
</tr>
<tr>
<td>444</td>
<td>CTVINXR</td>
<td>GETMAIN failed.</td>
<td>1</td>
</tr>
<tr>
<td>448</td>
<td>CTVINXR</td>
<td>Index access internal error. Error in IXA table. IXAXCNT is 0.</td>
<td>1</td>
</tr>
<tr>
<td>604</td>
<td>CTDTFLL</td>
<td>OK, but one or more continuation records were not found.</td>
<td>None</td>
</tr>
<tr>
<td>620</td>
<td>CTDTFLL</td>
<td>Insufficient memory. Too many RBA ranges in the report to be viewed.</td>
<td>2</td>
</tr>
<tr>
<td>rc</td>
<td>Routine</td>
<td>Explanation</td>
<td>Action</td>
</tr>
<tr>
<td>-----</td>
<td>-----------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1004</td>
<td>CTDBOX</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>1008</td>
<td>CTDBOX</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>1012</td>
<td>CTDBOX</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>1016</td>
<td>CTDBOX</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>1020</td>
<td>CTDBOX</td>
<td>Internal error in module.</td>
<td>1</td>
</tr>
<tr>
<td>1024</td>
<td>CTDBOX</td>
<td>Compressed Dataset Access Method not active.</td>
<td>3</td>
</tr>
<tr>
<td>1028</td>
<td>CTDBOX</td>
<td>Compressed Dataset Access Method not active.</td>
<td>3</td>
</tr>
<tr>
<td>1104</td>
<td>IOASCRQ</td>
<td>Error in cache routine. OSE (open session entry) was not active.</td>
<td>4</td>
</tr>
<tr>
<td>1108</td>
<td>IOASCRQ</td>
<td>Error in cache routine. Another request was issued with this OSE.</td>
<td>4</td>
</tr>
<tr>
<td>1124</td>
<td>IOASCRQ</td>
<td>The IOA Archive Server not active.</td>
<td>4</td>
</tr>
<tr>
<td>1204</td>
<td>IOASAOS</td>
<td>Error in cache routine. ENQ query for user existence failed.</td>
<td>4</td>
</tr>
<tr>
<td>1208</td>
<td>IOASAOS</td>
<td>Compressed Dataset Access Method not active. The Compressed Dataset Access Method was terminated or not started.</td>
<td>3</td>
</tr>
<tr>
<td>1212</td>
<td>IOASAOS</td>
<td>IOA Archive Server not active. The IOA Archive Server was terminated or not started.</td>
<td>5</td>
</tr>
<tr>
<td>1216</td>
<td>IOASAOS</td>
<td>Error in cache routine. No free OSE exists (open session entry).</td>
<td>4</td>
</tr>
<tr>
<td>1308</td>
<td>IOAXPC5</td>
<td>Error in cache routine. REQ (request queue element) error.</td>
<td>4</td>
</tr>
<tr>
<td>1404</td>
<td>IOAXPC5</td>
<td>The media to which the report migrated is not active in IOA Archive Server.</td>
<td>6</td>
</tr>
<tr>
<td>1408</td>
<td>IOAXPC7</td>
<td>Error in cache routine. Requested media not defined in the IOASPRM member.</td>
<td>4</td>
</tr>
<tr>
<td>rc</td>
<td>Routine</td>
<td>Explanation</td>
<td>Action</td>
</tr>
<tr>
<td>-----</td>
<td>---------</td>
<td>------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1502</td>
<td>IOASCAW</td>
<td>Error in cache routine. Cannot copy the OSE (open session entry).</td>
<td>4</td>
</tr>
<tr>
<td>1504</td>
<td>IOASCAW</td>
<td>The report migrated to a media which is not active in IOA Archive Server.</td>
<td>6</td>
</tr>
<tr>
<td>1508</td>
<td>IOASCAW</td>
<td>Error locating migrated report. Requested report not found in the catalog.</td>
<td>7</td>
</tr>
<tr>
<td>1512</td>
<td>IOASCAW</td>
<td>Requested volume not in OSS Database. Report migrated to a volume that was manually deleted from the OSS database.</td>
<td>8</td>
</tr>
<tr>
<td>1516</td>
<td>IOASCAW</td>
<td>Requested platter not in OSS Database. Report migrated to a volume on a platter that was exported or manually deleted from the OSS Database.</td>
<td>8</td>
</tr>
<tr>
<td>1520</td>
<td>IOASCAW</td>
<td>Cache request failed. Media error in adding request to chain.</td>
<td>4</td>
</tr>
<tr>
<td>1524</td>
<td>IOASCAW</td>
<td>Cache request failed. Media error in GETMAIN for TVL.</td>
<td>4</td>
</tr>
<tr>
<td>1528</td>
<td>IOASCAW</td>
<td>Cache request failed. Media error handling multivolume file.</td>
<td>4</td>
</tr>
<tr>
<td>1532</td>
<td>IOASCAW</td>
<td>No devices active for this media. The media to which the report migrated has no currently active device in the IOA Archive Server.</td>
<td>9</td>
</tr>
<tr>
<td>1536</td>
<td>IOASCAW</td>
<td>Cache request failed. Media error: File resides on more than five volumes.</td>
<td>4</td>
</tr>
<tr>
<td>1560</td>
<td>IOASCAW</td>
<td>Cache request failed. Media error: An RQC was queued without RBAs.</td>
<td>4</td>
</tr>
<tr>
<td>1564</td>
<td>IOASDVT</td>
<td>Cache request failed. An RQC was queued with a zeroed RBA.</td>
<td>4</td>
</tr>
<tr>
<td>1568</td>
<td>IOASDVT</td>
<td>Cache request failed. Media error during deallocation. See the DVT191E or IOA191E and DVT192E or IOA192E messages in the IOA Log file for the error code and more information.</td>
<td>4</td>
</tr>
<tr>
<td>rc</td>
<td>Routine</td>
<td>Explanation</td>
<td>Action</td>
</tr>
<tr>
<td>-----</td>
<td>---------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1572</td>
<td>IOASDVT</td>
<td>Error allocating device. IOA Archive Server could not allocate a device to retrieve a migrated report. See the DVT191E or IOA191E and DVT192E or IOA192E messages in the IOA Log file for error code and information about the failed allocation.</td>
<td>10</td>
</tr>
<tr>
<td>1576</td>
<td>IOASDVT</td>
<td>Cache request failed. Media error: Open failed.</td>
<td>4</td>
</tr>
<tr>
<td>1580</td>
<td>IOASDVT</td>
<td>Cache request failed. Media error: Task abended during open. See the DVT194E/IOA194E message in the IOA Log file for the abend code.</td>
<td>4</td>
</tr>
<tr>
<td>1584</td>
<td>IOASDVT</td>
<td>Cache request failed. Media error: I/O error on device. See the DVT193E/IOA193E message in the IOA Log file for I/O error description.</td>
<td>4</td>
</tr>
<tr>
<td>1592</td>
<td>IOASDVT</td>
<td>Cache request failed while reading descriptor block of migrated CDAM file.</td>
<td>4</td>
</tr>
<tr>
<td>1596</td>
<td>IOASDVT</td>
<td>Cache request failed while acquiring storage for a migrated CDAM descriptor block. See the DVT180S message in the IOA Log file for more information.</td>
<td>4</td>
</tr>
<tr>
<td>1600</td>
<td>IOASDVT</td>
<td>Cache request failed while reading the first block from a migrated CDAM file.</td>
<td>4</td>
</tr>
<tr>
<td>1604</td>
<td>IOASDVT</td>
<td>Cache request failed while acquiring storage for the first block of a migrated CDAM file. See the DVT180S message in the IOA Log file for more information.</td>
<td>4</td>
</tr>
<tr>
<td>1608</td>
<td>IOASDVT</td>
<td>Cache request failed while acquiring storage. See the DVT180S message in the IOA Log file for more information.</td>
<td>4</td>
</tr>
<tr>
<td>1612</td>
<td>IOASDVT</td>
<td>Cache request failed. An extent number in the RBA is out-of-range.</td>
<td>4</td>
</tr>
<tr>
<td>1616</td>
<td>IOASDVT</td>
<td>Cache request failed while translating RBA to BBB.</td>
<td>4</td>
</tr>
<tr>
<td>rc</td>
<td>Routine</td>
<td>Explanation</td>
<td>Action</td>
</tr>
<tr>
<td>----</td>
<td>---------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>1620</td>
<td>IOASDVT</td>
<td>Cache request failed. Block number is out-of-range.</td>
<td>4</td>
</tr>
<tr>
<td>1624</td>
<td>IOASDVT</td>
<td>Cache request failed while translating BBB to RBA.</td>
<td>4</td>
</tr>
<tr>
<td>1628</td>
<td>IOASDVT</td>
<td>Cache request failed while issuing ENQ to test user existence. See the DVT181E or IOA181E message in the IOA Log file for more information.</td>
<td>4</td>
</tr>
<tr>
<td>1632</td>
<td>IOASDVT</td>
<td>Task abended during cache request processing.</td>
<td>4</td>
</tr>
<tr>
<td>1636</td>
<td>IOASDVT</td>
<td>Operator did not mount the tape volume requested by the IOA Archive Server. Operator could not find requested volume or did not mount the volume for some other reason.</td>
<td>11</td>
</tr>
<tr>
<td>1640</td>
<td>IOASDVT</td>
<td>Cache request failed. Media error: Assigned device could not be allocated because it is unavailable. See the DVT191E or IOA191E and DVT192E or IOA192E messages in the IOA Log file for more information.</td>
<td>4</td>
</tr>
<tr>
<td>1644</td>
<td>IOASDVT</td>
<td>Cache request failed. Index Access. Internal error in index cache chaining.</td>
<td>4</td>
</tr>
<tr>
<td>1648</td>
<td>IOASDVT</td>
<td>Cache request failed. Index Access. Internal error, invalid call to CTVSRTN.</td>
<td>4</td>
</tr>
<tr>
<td>1652</td>
<td>IOASDVT</td>
<td>Cache request failed. Index Access. Internal error, invalid call to CTVLSUB.</td>
<td>4</td>
</tr>
</tbody>
</table>

The report is not displayed or only partially displayed.

**Corrective Action:** Do one of the following, as indicated in the preceding table:

1. Report the message number and return code to BMC Software Customer Support.
2. This report is too large to view online. Report this to your INCONTROL administrator.
3. Ask your INCONTROL administrator to bring up the Compressed Dataset Access Method (CDAM) so you can view this report.
4. Examine the IOA Log file for messages regarding the event. Use the return code to determine what caused the IOA Archive Server cache mechanism to fail. If the error cannot be resolved, contact BMC Software Customer Support.
5. Ask the operator to start the IOA Archive Server.
6. Ask the operator to activate the required media in the IOA Archive Server.
7. Contact your INCONTROL administrator to find out what happened to the required data set.
8. Contact your OSS operator to find out what happened to the required volume or platter.
9. Ask the operator to activate at least one device of the required media in the IOA Archive Server.
10. Correct the problem that caused the allocation to fail and retry.
11. Contact the operator to determine why the requested volume was not mounted.

CTD322S UNABLE TO VIEW THIS REPORT BECAUSE OF AN INTERNAL ERROR

**Explanation:** The IOATOLV routine encountered a problem, and returned an invalid return code. Control-M/Tape called the IOATOLV routine when the user specified the V (View) option in the User Report List screen.

The report cannot be viewed.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTD32BE NUMBER OF PRINT MISSIONS EXCEEDS THE ALLOWED MAXIMUM

**Explanation:** A large number of PRINT missions were specified in the deferred print request for reports created by a Decollation Mission with STORED=Y in the DO PRINT parameter.

The PRINT mission name specified in the DO PRINT parameter, is hidden in both the User Report List Print Window and the Control-D/WebAccess Host PRINT Window. Nevertheless, since the PRINT mission name is stored in the report entry it is included in the total number of PRINT missions stored in the report entry. The maximum number of PRINT missions, whether immediate or deferred, that are stored in one report entry cannot exceed 5.

The print request is not performed.

**Corrective Action:** Perform the deferred print request again with less PRINT missions.

CTD323E VIEW RULER \textit{rulerName} DOES NOT EXIST FOR THIS USER/REPORT/JOB

**Explanation:** The \textit{rulerName} ruler was not located. The name may have been misspelled, or the ruler has not been defined.

No ruler is activated.

**Corrective Action:** Specify a valid ruler name.

CTD324E AT LEAST ONE PRINTING MISSION NAME MUST BE ENTERED

**Explanation:** No Printing Mission was defined. At least one Printing Mission name must be entered in the MISSION NAME field for deferred printing.
An error message is issued, and the cursor is positioned at the MISSION NAME field.

**Corrective Action:** Enter at least one mission name.

**CTD325E DEFERRED PRINTING - RULER NAME MUST BE "DEFAULT"**

**Explanation:** The RULER NAME field does not contain the value DEFAULT. In case of deferred printing, the ruler name must be DEFAULT to use an existing DEFAULT ruler.

An error message is issued and the cursor is positioned at the RULER NAME field.

**Corrective Action:** Correct the ruler name to DEFAULT.

**CTD326E DEFERRED PRINTING - FROM PAGE NUMBER MUST BE EQUAL TO 1**

**Explanation:** The FROM PAGE field contains a value other than 1. In case of deferred printing, the FROM PAGE must be defined as the first page.

An error message is issued and the cursor is positioned at the FROM PAGE field.

**Corrective Action:** Correct the value in the FROM PAGE field to 1.

**CTD327E YOU CAN ONLY SELECT THE ENTIRE PAGE RANGE FOR DEFERRED PRINTING**

**Explanation:** An invalid page range was defined for deferred printing. For deferred printing, the entire page range must be defined.

An error message is issued, and the cursor is positioned at the PAGE RANGE field.

**Corrective Action:** Correct the page range.

**CTD328S UNABLE TO EDIT A RULER - INVALID RC rc FROM CTDTEXT**

**Explanation:** An internal error occurred that caused the CTDTEXT subroutine to return an invalid return code.

The ruler is set to OFF.

**Corrective Action:** Have your INCONTROL administrator call BMC Software Customer Support for assistance.

**CTD329E INVALID parm PARAMETER**

**Explanation:** An invalid value was specified in the User Report List Print window. Control-D Exit 4 found an invalid value in the parm parameter.

The report is not printed.

**Corrective Action:** Correct the parameter.

**CTD330I COMPRESSED DATASET ACCESS METHOD MAINTENANCE UTILITY STARTED**

**Explanation:** This information message indicates the normal start of the CTDAMUT1 utility.
**Corrective Action:** No action is required.

**CTD331I** COMPRESSED DATASET ACCESS METHOD MAINTENANCE UTILITY ENDED OK

**Explanation:** This information message indicates the normal termination of the CTDAMUTI utility.

**Corrective Action:** No action is required.

**CTD332S** COMPRESSED DATASET ACCESS METHOD MAINTENANCE UTILITY ENDED WITH ERRORS

**Explanation:** The CTDAMUTI Compressed Dataset Access Method utility ended with errors.

This is a general message when the CTDAMUTI utility ends with errors. The job sysout should contain prior messages detailing the reasons.

**Corrective Action:** No action is required.

**CTD333E INVALID CDAM MAINTENANCE UTILITY FUNCTION: func**

**Explanation:** An invalid function (func) was given to the CTDAMUTI Control-D utility.

For more information, see the section on the CTDAMUTI CDAM maintenance utility in the *Control-D and Control-V User Guide*.

The CTDAMUTI utility terminates with a return code of 08.

**Corrective Action:** Correct the function, and rerun the CTDAMUTI utility.

**CTD334W NO CDAM FILES FOUND FOR THE SPECIFIED SELECTION CRITERIA**

**Explanation:** No CDAM data sets were found that match the data set identification parameters given to the CTDAMUTI utility.

The CTDAMUTI utility attempts to locate CDAM data sets based on the data set identification parameters given to it. One of the following problems is present:

- An error was made by the user in the data set identification parameter.
- Someone deleted the required CDAM data sets.

For more information, see the section on the CTDAMUTI CDAM maintenance utility in the *Control-D and Control-V User Guide*.

The CTDAMUTI utility will terminate with a return code of 04.

**Corrective Action:** Do one of the following, then rerun the utility:

- Correct the data set identification parameter.
- Restore the requested CDAM data sets.

**CTD335S OPEN OF PARAMETERS FILE FAILED. DDNAME "SYSIN"**

**Explanation:** The open of the SYSIN DD statement failed.
Possible causes are:

- The SYSIN DD statement or the DAMUTIN DD statement is missing.
- The data set described by the SYSIN DD statement or the DAMUTIN DD statement cannot be opened for sequential read.

For more information, see the section on the CDAMUTI CDAM maintenance utility in the *Control-D and Control-V User Guide*.

The CTDAMUTI utility terminates with a return code of 12.

**Corrective Action:** Correct the CTDAMUTI JCL and rerun the utility.

CTD339S OPEN OF OUTPUT (SPOOL PRINT) FILE FAILED

**Explanation:** Internal error in the CTDAMUTI utility.

The dynamic allocation of a sysout print file by the CTDAMUTI utility failed.

The CTDAMUTI utility terminates with a return code of 12.

**Corrective Action:** Have your system programmer call your IOA representative for assistance.

CTD33AS NO SELECTION PARAMETERS ARE SPECIFIED

**Explanation:** No CDAM selection parameters were specified in the input of the CTDAMUTI utility.

At least one CDAM selection parameter must be specified in the input of the CTDAMUTI utility.

The CTDAMUTI utility ends with an error.

**Corrective Action:** Rerun the CTDAMUTI utility specifying CDAM selection parameters.

CTD364I WAITING FOR ACTIVE PRINTING MISSION(S) IN ORDER TO SHUT DOWN

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor was shut down, but is waiting for print tasks to finish in order to complete the shut down.

The Control-D internal Printing Missions Manager task received a request from the Control-D monitor to shut down. However, one or more of the print tasks under the control of the Printing Missions Manager is still printing. As soon as all the print tasks are completed, the Printing Missions Manager task will shut itself down.

**Corrective Action:** No action is required.

CTD390S OPEN OF DDNAME *ddName* FAILED.

**Explanation:** Open of the *ddName* DD name failed. Possible causes are:

- The *ddName* DD statement is missing.
- The data set described by the *ddName* DD statement does not exist.

Execution stops.

**Corrective Action:** Correct the JCL of the job and rerun.
CTD394S INVALID PARAMETER - parm

Explanation: An invalid parameter was specified to the report or utility.

If this message was issued during execution of the CTMBLT utility, it is followed by message BLT895I and/or BLT896I, which identify the problematic job, keyword, and value. This message may also be issued by the CTMBUPD utility.

The report or utility stops executing with a condition code of 08 or 12.

Corrective Action: For the syntax of the parameter for the report or utility, see either the INCONTROL for z/OS Administrator Guide or the INCONTROL for z/OS Utilities Guide, as appropriate.

Messages CTD400 through CTD4xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTD400S INVALID RETURN CODE FROM SORT = rc. CHECK THE SORT MANUAL.

Explanation: A sort program that has been activated internally by a report ended with an unexpected return code (rc).

The report stops executing with a condition code of 08 or 12.

Corrective Action: To clarify the reason, refer to the documentation for the sort program and to the sort messages of the job.

CTD403E PRINT MISSION HAS NOT STARTED DURING APPROPRIATE TIME FRAME

Explanation: Highlighted, unrollable message.

The Control-D monitor issued a MODIFY command for a Printing monitor to start processing a Printing Mission. The Printing monitor did not answer during the time frame defined by optional wish WD2344 (whose default is five minutes).

The problem can occur because the Printing monitor has a low priority and the computer is heavily loaded. Therefore, the Printing monitor does not get control during the time allowed for a response.

The Control-D monitor terminates the mission NOT-OK.

Corrective Action: Assign a higher priority, or change the performance group of the Printing monitor to provide better response time from this address space (or do both). In case of a batch printing mission, make sure that enough initiators are available for handling batch printing jobs. If this is impossible or undesirable, define a higher value for the time frame defined by optional wish WD2344 in the IOADFLTS member of the DOC library or specify an appropriate time-out in the Printing Mission Definition screen (screen M.S).

CTD40AE ALTERNATE INDEX ACTXREP DOES NOT MATCH THE MAIN CLUSTER ACTUSER. REBUILD IT

Explanation: Highlighted, unrollable message.
Corrective Action: No action is required.

CTD422S OPEN OF USER DATE Control-RECORD FAILED - DDNAME "DACHK"

Explanation: Open of the file containing the User Date Control Record failed (the DACHK DD statement). Issued by the CTMCHK, CTDCHK, or CTBCHK program, which is usually activated by the New Day procedure.

Possible causes are:

- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The CTMCHK, CTDCHK, or CTBCHK program ends with errors.

Corrective Action: Correct the JCL for the job or CLIST.

CTD424S INVALID ORIGINAL SCHEDULING DATES IN USER DATE Control-RECORD (POSITIONS 1-6)

Explanation: Invalid original scheduling date in User Date Control Record (positions 1 through 6). This date should be earlier than the current installation working date. The valid format is ddmmyy or mmdyy.

Valid formats are:

- ddmmyy
- mmdyy

Possible causes are:

- The previous run of the CTDCHK or CTMCHK program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more information, see the INCONTROL for z/OS Administrator Guide.

The New Day procedure ends with errors.

Corrective Action: Correct your Date Control Record (DD statement DACHK).

CTD425S INVALID POST DATE IN USER DATES CONTROL RECORD (POSITIONS 67-72 -72)

Explanation: The contents of the Date Control Record for this Daily are invalid.

Valid formats are:

- ddmmyy
- mmdyy

This message usually indicates that the User Date Control Record was incorrectly modified. The date should be earlier than or equal to the original scheduling date (defined in positions 1 through 6).

The New Day procedure ends with errors.
Corrective Action: Correct the Date Control Record (the DACHK DD statement).

CTD426W CONTROL-D (dailytype) DID NOT RUN FOR nnn DAYS

Explanation: Highlighted, unrollable message.

The difference between the current working date and the original scheduling date (positions 1 through 6 in the Date Control Record) is more than one day. The New Day procedure has not run for nnn days. A New Day procedure is expected to run once a day.

Common causes are:

- The computer has not been working for at least one day.
- The Control-M or Control-D monitor has not been working for over 24 hours.
- The contents of the Date Control Record were incorrectly modified for this Daily.
- In the case of the New Day procedure, the computer may have been IPLed with the wrong date.
- In the case of a User Daily, the Daily has not run for a few days.

The value of dailytype can be GENERAL for the New Day procedure or the job name of a regular User Daily job.

For User Daily jobs, processing continues. Missions are selected according to the RETRO parameter.

For the New Day procedure, this message appears highlighted on the operator console, together with the CTM427W or CTD427W and CTM428W or CTD428W messages. If the operator answers YES, processing continues, taking the RETRO parameter of each job into consideration. If the operator answers NO, the New Day procedure stops executing with an error message.

Corrective Action: If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

CTD427W IS IT TRUE? (ANSWER "YES" OR "NO")

Explanation: Highlighted, unrollable message.

The last run of the New Day procedure was more than 24 hours ago. This message appears together with the CHK426W, CTM426W, or CTD426W and CHK428W, CTM428W, or CTD428W messages. For more details, see the CHK426W message.

The General New Day procedure waits for the operator response.

Corrective Action: If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

CTD428W YOUR ANSWER IS:

Explanation: Highlighted, unrollable message.

The last run of the New Day procedure was more than 24 hours ago. This message appears together with the CHK426W, CTM426W, or CTD426W and CHK427W, CTM427W, or CTD427W messages. For details, see the CHK426W message.

The New Day procedure waits for the operator response.
**Corrective Action:** If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

**CTD429S** {CTMCHK | CTDCHK | CTBCHK} ENDED WITH ERRORS

**Explanation:** The CTMCHK, CTDCHK, or CTBCHK program ended with errors. It is activated as part of the New Day procedure. IOA Log should contain an earlier message about the error.

The New Day procedure finishes executing with a condition code of 08.

**Corrective Action:** Check the IOA Log for error messages. If necessary, manually correct the Date Control Record (date-3 and date-5) to allow the next run of the User Daily job. For details, see the *INCONTROL for z/OS Administrator Guide*.

**CTD430E** POSSIBLE ABEND OF PREVIOUS DAILY RUN!

**Explanation:** A previous run of the same New Day procedure probably abended.

The New Day procedure terminates with errors.

**Corrective Action:** Correct the Date Control Record and rerun the New Day procedure. As a result of the last abend, dates 2, 3 and dates 4, 5, in the Date Control Record are not identical - they should be. If you correct them to the values of date 3 or date 6, a rerun of the New Day procedure schedules all the jobs in the New Day procedure for the days after dates 2-5 until the date designated in date 1 (the current original scheduling date). Do not schedule the same job twice.

For more information, see the *Control-M for z/OS User Guide* or the *Control-D and Control-V User Guide*.

**CTD431I** {CTMCHK | CTDCHK | CTBCHK} STARTED

**Explanation:** This information message indicates that the CTMCHK, CTDCHK, or CTBCHK program, which is activated by the New Day procedure, started executing.

**Corrective Action:** No action is required.

**CTD432I** {CTMCHK | CTDCHK | CTBCHK} ENDED

**Explanation:** This information message indicates that the CTMCHK, CTDCHK, or CTBCHK program, which is activated by the New Day procedure, ended normally.

**Corrective Action:** No action is required.

**CTD433S** DIFFERENCE BETWEEN CURRENT AND LAST RUN OF THIS DAILY IS NEGATIVE BY num DAYS

**Explanation:** The current working date in the computer is before the last original scheduling date of this New Day procedure.

This message is issued by the New Day procedure as a result of incorrect dates in the Date Control Record. For more details, see the *Control-M for z/OS User Guide* or the *Control-D and Control-V User Guide*.

The New Day procedure stops executing with an error message.
Corrective Action: Correct the contents of the Date Control Record, and rerun the Daily. If this problem occurs under the New Day procedure, call your system programmer. The problem should be resolved immediately as the Control-M or Control-D monitor will not be able to operate. Check whether the computer has been IPLed with the correct date.

CTD434W THIS DAILY HAS ALREADY BEEN RUN TODAY

Explanation: The same New Day procedure has already been run today. The current working date in the computer is equal to the last original scheduling date - positions 1 through 6 in the Date Control Record (the DACHK DD statement).

For details, see the Control-M for z/OS User Guide or the Control-D and Control-V User Guide.

Processing terminates with a return code of 8.

Corrective Action: Check the result of the run carefully for possible errors. If the Control-M or Control-D monitor is up and running, there is no need to run the New Day procedure - it was probably started by accident. In any case, have your INCONTROL administrator look at the problem. It is possible that the computer was IPLed with the wrong date.

CTD435S OPERATOR RESPONDED "NO"

Explanation: The operator answered NO to the CHK428W, CTM428W, or CTD428W message.

The New Day procedure stops executing.

Corrective Action: Correct the problem (usually date related), and rerun the New Day procedure.

CTD436S USER DATE CONTROL-RECORD IS EMPTY

Explanation: The data set described by the DACHK DD statement is empty (the New Day procedure).

The New Day procedure terminates with errors.

Corrective Action: Correct the JCL for the job and rerun it.

CTD439I ONLY \( num \) FREE ENTRIES ARE LEFT ON THE COMMUNICATION FILE - PLEASE INCREASE ITS SIZE

Explanation: This information message indicates that the Control-D Communication file is almost full.

In this message, \( num \) is the number of free entries left in this file.

The printing of the reports will continue.

Corrective Action: At the earliest possible time, bring down Control-D, then follow these steps:

1. Increase the COMSIZE Installation Parameter. For more information, see the section on setting Control-D installation parameters in the Control-D chapter of the INCONTROL for z/OS Installation Guide.

2. Run the CTDFRCOM utility in order to create a new communication file.

3. Bring up Control-D.
CTD43AE NO FREE RECORDS IN COM FILE. PRINT MISSION TERMINATES ABNORMALLY

**Explanation:** The current print mission cannot obtain a free record in the communications file.

Each print mission requires one record in the COM file for communicating between the Control-D monitor and the print task. A free record is obtained before the print task is started released when it ends.

The print mission ends NOTOK.

**Corrective Action:** Increase the size of the COM file by increasing the value of the COMSIZE parameter in CTDPARM. You can do this using ICE, as follows:

1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 2, Control-D Dataset Parameters.
6. Increase the size of the COMSIZE parameter.
7. Return to the Minor Steps Selection screen, and select Minor Step 3, Save Parameters into Product Libraries.
8. Select Minor Step 5, Format the Communication File.

You can now rerun the print mission.

CTD452I FORMATTING OF *activeFile* FILE STARTED

**Explanation:** This information message indicates that the Control-M Active Jobs file (AJF) or the Control-D Active Missions file (AMF) is currently being formatted.

**Corrective Action:** No action is required.

CTD453S OPEN OF DATES CONTROL-RECORD FAILED. DDNAME "DACHK"

**Explanation:** Open of Control-M or Control-D Date Control record failed in the DACHK DD statement). This error message is issued by the CTMFRM (Control-M), or CTDFRM (Control-D) program as part of the New Day procedure. Possible causes are:

- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement is not the Control-M or Control-D Date Control Record.

**Corrective Action:** Correct the JCL for the New Day procedure.

CTD454E FORMAT (*format_pgm*) ALREADY RUN TODAY

**Explanation:** An attempt was made to run the New Day procedure twice in the same day. The New Day procedure issues *format_pgm*. This program should not run more than once a day.

Possible values of *format_pgm* are:
CTMFRM - formats the Active Jobs file (AJF) in Control-M
CTDFRM - formats the Active Missions file (AMF) in Control-D

The AJF or AMF is not formatted, but the New Day procedure continues to execute other programs in the program list.

**Corrective Action:** Check why the New Day procedure is being run twice, and whether jobs or missions were accidentally ordered twice because the General Date Control Record was erroneously modified.

**CTD455S LAST FORMAT DATE GREATER THAN ORIGINAL SCHEDULING DATE IN CONTROL-D DATES CONTROL-RECORD**

**Explanation:** The last format date is later than the original scheduling date in the Control-M Date Control record or the Control-D Date Control record. The New Day procedure issues this message. For more details, see the appropriate user guide.

New Day processing stops.

**Corrective Action:** Correct the Control-M or Control-D Date Control record, and run the New Day procedure again.

**CTD456S OPEN OF activeFile FILE FAILED. DDNAME "ddName"**

**Explanation:** Open of the Control-M Active Jobs file (AJF) or the Control-D Active Missions file (AMF) defined in the `ddName` DD statement failed. The New Day procedure calls the program that issues this message.

In Control-M, `ddName` is DACKPT and `activeFile` is the Active Jobs file (AJF).
In Control-D `ddName` is DAAMF and `activeFile` is the Active Missions file (AMF).

Possible causes are:
- The `ddName` DD statement is missing.
- The data set described by the `ddName` DD statement is not the AJF or the AMF.
- The data set described by the `ddName` DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure, and rerun it.

**CTD457S OPEN OF BACKUP FILE FAILED. DDNAME "DABKUP"**

**Explanation:** Open of backup file for the Active Jobs file (AJF) or Active Missions file (AMF) defined in the DABKUP DD statement failed. This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is usually activated as part of the New Day procedure.

Possible causes are:
The DABKUP DD statement is missing.

The data set described by the DABKUP DD statement is not the Active Jobs Backup file or Active Missions Backup file.

The data set described by the DABKUP DD statement is the Control-M Active Jobs Backup file or the Control-D Active Missions Backup file, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure, and rerun it.

**CTD458S** ERROR IN *activeFile* - RECORD 0. SHOULD BE FORMAT OR FREE

**Explanation:** Record 0 of the *activeFile* file contains incorrect data. This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is usually activated as part of the New Day procedure.

In Control-M *activeFile* is the Active Jobs file (AJF).

In Control-D *activeFile* is the Active Missions file (AMF).

Possible causes of this message are:

- The *activeFile* file is corrupt.
- The data set described by the DACKPT DD statement (Control-M) or the DAAMF DD statement (Control-D) is not the *activeFile* file, but is very similar to one.

Program execution stops with a condition code of 08.

**Corrective Action:** Check the validity of the data set described by the DACKPT or DDAMF DD statement. If necessary, correct the JCL, and rerun the New Day procedure.

If the *activeFile* is corrupt, use a standard copy utility, like IEBGENER, to copy *activeFile*, and send it to BMC Software Customer Support. If necessary, run the FORMCKP utility to reformat the Active Jobs file or the CTDFRAMF utility to reformat the Active Missions file. However, these utilities also erase all the jobs or missions in the respective files.

**CTD459I** *activeFile* IS RESTORED FROM BACKUP

**Explanation:** This information message indicates the beginning of a rerun of the New Day procedure after an earlier abend during the format of *activeFile*.

In Control-M, *activeFile* is the Active Jobs file (AJF).

In Control-D *activeFile* is the Active Missions file (AMF).

*activeFile* is restored from the appropriate backup file and processing continues normally.

**Corrective Action:** No user action is required.

**CTD45CE** func OPERATION FOR "COM" FILE FAILED. RC=rc

**Explanation:** An internal error occurred in the CTDCIO internal module while the Active Mission file was being formatted.

The Active Mission file is not formatted.
Corrective Action: Note the values of \textit{func} and \textit{rc} and contact BMC Software Customer Support.

CTD460S DATE CONTROL-RECORD IS EMPTY

Explanation: The DACHK DD statement describes an empty data set or member.

For more information, see the sections that describe NEW DAY processing in the Control-M and Control-D chapters of the \textit{INCONTROL for z/OS Administrator Guide}.

Program execution stops with a condition code of 08.

Corrective Action: Correct the Control-M or Control-D Date Control Record and run the New Day procedure again.

CTD461S ERROR WHILE FORMATTING IOA CONDITIONS FILE

Explanation: I/O error while formatting the IOA Conditions file.

Possible causes are:

- The data set described by DD statement DARESF is not the IOA Conditions file.
- An I/O error occurred while reading the IOA Conditions file.

Program execution stops with a condition code of 08.

Corrective Action: Correct and run the New Day procedure again. In case of an I/O error, you may need to recreate the IOA Conditions file. This erases all the conditions from the file.

CTD462S INVALID LAST FORMAT DATE IN DATE CONTROL RECORD

Explanation: Invalid format of last format date in the Date Control Record. This message is issued by the CTMFRM or CTDFRM program, which is activated as part of the New Day procedure. The valid format is \texttt{ddmmyy} or \texttt{mmddyy}.

Possible causes are:

- Someone has modified the contents of the Date Control Record incorrectly.
- The record described by the DACHK DD statement is not the Control-M Date Control Record or the Control-D Date Control Record.

For more information, see NEW DAY processing in the Control-M and Control-D chapters of the \textit{INCONTROL for z/OS Administrator Guide}.

Program execution stops with a condition code of 08.

Corrective Action: Do one or both of the following, as necessary:

- Correct the JCL for the Daily Subsystem, and rerun it.
- Correct the format date in the Date Control Record, and rerun the New Day procedure.

CTD463S INVALID ORIGINAL SCHEDULING DATE IN DATE CONTROL RECORD

Explanation: Invalid original scheduling date in the Date Control Record. The valid format is \texttt{ddmmyy} or \texttt{mmddyy}.
Possible causes are:

- The record described by the DACK DD statement is not the Control-M General Date Control Record or the Control-D General Date Control Record.
- Someone modified the contents of the General Date Control Record incorrectly.

This message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program. These programs are activated as part of the New Day procedure.

For more information, see the sections that describe NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

**Corrective Action:** Do one or both of the following, as necessary:

- Correct the JCL for the New Day procedure and rerun it.
- Correct the original scheduling date in the General Date Control Record and rerun the New Day procedure.

CTD464S FILE ALLOCATED TO DDNAME "ddName" IS NOT YOUR activeFile

**Explanation:** The data set described by the `ddName` DD statement is not the file specified by `activeFile`.

In Control-M, `ddName` is DACKPT and `activeFile` is the Active Jobs file (AJF).
In Control-D `ddName` is DAAMF and `activeFile` is the Active Missions file (AMF).

Possible causes are:

- The data set described by the `ddName` DD statement is not the AJF or the AMF.
- The data set described by the `ddName` DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the problem in the data set name indicated by the `ddName` DD statement, and run the New Day procedure again.

CTD465S FILE ALLOCATED TO DDNAME "DABKUP" IS NOT A BACKUP OF activeFile

**Explanation:** The data set described by the DABKUP DD statement is not a backup of `activeFile`.

In Control-M, `activeFile` is the Active Jobs file (AJF).
In Control-D `activeFile` is the Active Missions file (AMF).

Possible causes are:
The data set described by the DAKBUP DD statement is not the AJF or the AMF.
The data set described by the DAKBUP DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.
**Corrective Action:** Correct the Control-M Date Control Record and rerun the affected procedure.

CTD466S NEED MORE MEMORY TO FORMAT activeFile
**Explanation:** There is not enough memory to format the activeFile file.

The New Day procedure issues this message.
In Control-M, activeFile is the Active Jobs file (AJF) or the History file (HST).
In Control-D activeFile is the Active Missions file (AMF).

Program execution stops with a condition code of 08. Control-M and Control-D monitors will not start after this error.
**Corrective Action:** To enable monitors to start, set REGION=0M and rerun the affected procedure. If the REGION is already set to 0M, then ensure that the MVS exit IEFUSI allows sufficient virtual storage memory to be allocated above the 16M line. For example, since each record of the above files requires 1024 bytes of storage, a file containing 200,000 records requires 200M of storage above the line.

CTD468I FORMATTING OF activeFile ENDED
**Explanation:** This information message indicates that the New Day procedure finished formatting the activeFile file.

This message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is activated as part of the New Day procedure.
In Control-M, activeFile is the Active Jobs file (AJF).
In Control-D activeFile is the Active Missions file (AMF).

**Corrective Action:** No action is required.

CTD470S ERROR WHILE FORMATTING THE activeFile, FILE WAS NOT FORMATTED
**Explanation:** An error occurred during formatting of the activeFile file.

The New Day procedure issues this message.
In Control-M, activeFile is the Active Jobs file (AJF).
In Control-D activeFile is the Active Missions file (AMF).

Program execution stops with a condition code of 08.
**Corrective Action:** Look for a previous message that describes the type of error. Correct it and rerun the New Day procedure.
CTD485I  ATTEMPTING TO OBTAIN SYNCHRONIZATION TIMESTAMP

Explanation: This information message indicates that a backup mission (or the CTDDELRP utility) is trying to synchronize with the Control-D monitor.

For an explanation of the synchronization process, see the MONA59I message.

Corrective Action: No action is required.

CTD486I  SYNCHRONIZATION TIMESTAMP OBTAINED:  timeStamp

Explanation: This information message indicates that a backup mission or the CTDDELRP utility is trying to synchronize with the Control-D monitor.

The displayed timestamp is a hexadecimal representation of the time-of-day clock value used for synchronization. It is displayed for tracking and debugging purposes.

For an explanation of the synchronization process, see the MONA59I message.

Corrective Action: No action is required.

CTD487E  SYNCHRONIZATION FAILURE. RC:  rc

Explanation: The decollation task could not provide a timestamp during synchronization for the backup job, the CTDDELRP utility, or the CTVJAR utility.

Valid values for  rc, and their explanations, are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Error access the Active User file</td>
</tr>
<tr>
<td>20</td>
<td>Internal error</td>
</tr>
</tbody>
</table>

The backup job, the CTDDELRP utility, or the CTVJAR utility fails.

Corrective Action: Do the following:

- If the return code is 16, see the preceding CTDU99E message.
- If the return code is 20, notify BMC Software Customer Support.

When the error occurs, perform the following steps:

1. Enter the log screen.
2. Use the SHOW command.
3. Change the value of the ALL MESSAGE TYPES field to Y.
4. Print the log.
CTD487S MIGRATION FILE WAS FORMATTED WITH INCORRECT COMPRESSION TABLE

**Explanation:** A migration file was opened for multistage migration but the migration file was formatted with an old compression table. A multistage migration mission stores log data about the last three migration stages in the SYSDATA record. If a migration file formatted with an old compression table is used, this data is lost.

The migration mission ends NOTOK.

**Corrective Action:** Reformat the migration file by unloading it by means of job CTDUFDUL and reloading it by means of job CTDUFRST from the Control-D JCL library.

CTD488I PROCESS IS WAITING FOR SYNCHRONIZATION

**Explanation:** This information message indicates that the backup job, the CTDDELRP utility, or the CTVJAR utility waits for the decollation task to provide a timestamp.

**Corrective Action:** No action is required.

CTD488W MIGRATION OF "CDAM name" FROM OSS TO OSS REJECTED

**Explanation:** While building a migration mission, the Control-D monitor found a request to migrate the CDAM name file from one OSS media to another OSS media, but this type of migration is not allowed. This CDAM file is deleted from the list of CDAM files to be migrated.

**Corrective Action:** Change the migration path of the problematic migration mission.

CTD494E OPEN OF BACKUP UTILITY MESSAGES FILE FAILED

**Explanation:** The open of the SYSIN DD statement failed. This message is produced by the ANALYZE step of the backup/migration job.

Possible causes are:

- The SYSIN DD statement has been deleted or its JCL has been modified incorrectly.
- The data set referenced by SYSIN DD statement cannot be opened for sequential read.

The requested backup or migration is not performed. The status of the Backup or Migration Mission is changed to ENDED NOTOK.

**Corrective Action:** Do the following:

1. Check the ANALYZE step of the backup or migration job in the library referenced by the DADSKL DD statement.
2. Modify the JCL as required. For the correct format for SYSIN JCL, see the BKPDFDSS sample skeleton job in the Control-D or Control-V SKL library.
3. Rerun the Backup or Migration Mission.

CTD496E OPEN OF ACTIVE MISSIONS FILE FAILED. DDNAME "DAAMF"

**Explanation:** Open of the Active Missions file failed. This file is referenced by the DAAMF DD statement.
This message is produced by the ANALYZE step of the backup or migration job. This step executes the CTDBKCC program, which analyzes the output of the backup or migration process.

Possible causes are:

- The DAAMF DD statement is missing.
- The data set referenced by the DAAMF DD statement is not the Active Missions file.
- The data set referenced by DAAMF DD statement is the Active Missions file for another Control-D or Control-V monitor or a different version of Control-D or Control-V.

Backup or migration of the requested data sets is not performed. The status of the backup or migration mission remains BACKUP or MIGRATE IN PROCESS. This status will change to ENDED OK after the backup or migration job is corrected and rerun.

**Corrective Action:**

1. Check the ANALYZE step of the backup or migration job in the library referenced by the DADJOB DD statement.
2. Modify or add the DAAMF DD statement.
3. Rerun the job.
4. To prevent a recurrence of this problem, make the same modification to the backup or migration skeleton JCL in the library referenced by the DADSKL DD statement.

CTD497E UNABLE TO UPDATE STATUS OF MISSION *misName* 
ODEATE=*misoDate* TIMESTAMP=*misTime* (RC=rc)

**Explanation:** where *rc* is the return code of the Active Mission file service.

Backup or migration job cannot update, in the Active Mission file, the status of the mission indicated in the message.

The mission remains in status IN PROCESS.

**Corrective Action:** Use the appropriate utility (BKPRESET or MIGRESET) to reset the mission status. If the problem recurs, prepare the IOA LOG and contact BMC Customer Support.

**Messages CTD600 through CTD6xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTD646E PRINT PLAN FILE DOES NOT EXIST

**Explanation:** Attempt to enter the P (Print Control Option) failed. The Print Plan file was not yet created. Control-D allocates and builds the Print Plan file when it processes a Printing Mission. During this process, the Printing Mission status is BUILDING PRINT PLAN, and it is not possible to enter the Print Control Option until after the Print Plan file is created.

Request is rejected.

**Corrective Action:** Wait until the Printing Mission finishes building the Print Plan file, and then retry to enter the Print Control Option.
CTD647E PRINT CONTROL-IS VALID FOR PRINT MISSIONS ONLY  
Explanation: The P (Print Control) option was specified for a mission that is not a Printing Mission. The P (Print Control) option may only be activated for Printing Missions.  
Corrective Action: Specify an option which is valid for the required mission.

CTD649E CANNOT RERUN MISSION missionName ODATE date - TASK SUSPENDED  
Explanation: A restart was attempted on a mission which was in SUSPENDED status. A SUSPENDED mission cannot be restarted.  
The rerun order is rejected.  
Corrective Action: Wait until the mission has finished and issue another rerun request.

CTD650S OPEN OF ACTIVE MISSIONS FILE FAILED. DDNAME "DAAMF"  
Explanation: Open of Control-D Active Missions file failed (the DAAMF DD statement).  
This is due to one of the following:  
- The DAAMF DD statement is missing.  
- The data set described by the DAAMF DD statement is not the Control-D Active Missions file.  
- The data set described by the DAAMF DD statement is the Control-D Active Missions file of another I OA I Installation, or of a different version of Control-D.  
Corrective Action: Check the contents of the system log for additional messages which may clarify the picture, or logon again.

CTD651S READ ERROR ON CONTROL-D ACTIVE MISSIONS FILE. NOTIFY THE I OA ADMINISTRATOR  
Explanation: I/O error while reading Control-D Active Missions file.  
Possible causes are:  
- The file allocated to the DAAMF DD statement is not the Control-D Active Missions file.  
- The file allocated to the DAAMF DD statement is the Control-D Active Missions file, but it is of a different version.  
- Real I/O error.  
Corrective Action: Check the contents of the system log for additional messages which may clarify the picture, or log on again.

CTD652S INTERNAL ERROR - INVALID REQUEST TO CTDUMS request  
Explanation: Internal error. Invalid request to the CTDUMS Control-D internal program.  
The function requested is not performed.  
Corrective Action: Have your system programmer call BMC Software Customer Support.
CTD653E CANNOT action MISSION missionName ODATE odate - NOT HELD

Explanation: Result of DELETE or CHANGE commands. The missionName mission of the original scheduling date odate is not in HELD state and therefore cannot be deleted or changed.
Delete or change request ignored.

Corrective Action: Hold the mission using the H option. Wait until the REQUESTED HELD status is changed to HELD, and then you can perform the change or delete.

CTD654E CANNOT action MISSION missionName ODATE odate - ALREADY DELETED

Explanation: The missionName mission of the original scheduling date (odate) has already been deleted.
The user request is ignored.

Corrective Action: No action can be performed

CTD655E ACTIVE MISSIONS FILE IS IN USE, TRY AGAIN LATER

Explanation: Another user is currently updating the file. The file is temporarily in use by another user or by the Control-D monitor.
The requested action is not performed.

Corrective Action: Try again later.

CTD656E action OF MISSION missionName ODATE odate IGNORED - STATUS HAS CHANGED

Explanation: Result of HOLD (H), RERUN (R), FREE (F) or CHANGE (C) request for the missionName mission of the odate original scheduling date, the status of which has already been changed. While you were looking at the screen, another user or Control-D monitor changed the status of the mission, or the contents of the production parameters.
The requested action is ignored.

Corrective Action: Check the mission status and act accordingly.

CTD657E CANNOT action MISSION missionName ODATE odate - MAX CHANGES OVER, TRY AGAIN LATER

Explanation: Cannot carry out more actions on the missionName mission of the odate original scheduling date. The maximum number of requests for action has been exceeded. Control-D monitor must accept the requests before another action can be performed.
The user request is ignored.

Corrective Action: If the Control-D monitor is up, try again. If it is down, it should be brought up again.
CTD658S CANNOT action MISSION missionName ODATE odate - UNEXPECTED CODE FROM CTDUMS

Explanation: Unexpected code from the CTDUMS Control-D internal utility.
The user request is ignored.
Corrective Action: Have your system programmer call BMC Software Customer Support.

CTD659I action OF MISSION missionName ODATE odate PERFORMED

Explanation: This information message displays the result of a DELETE (D), RERUN (R), CHANGE (C), FREE (F), HOLD (H), or BYPASS (B) command.
The missionName mission has been:
- DELETED
- REQUESTED RERUN
- REQUESTED CHANGE (save in Zoom screen)
- REQUESTED FREE
- REQUESTED HELD
- BYPASSED (the input conditions and/or the time limit for the mission)
Corrective Action: No action is required.

CTD660E INVALID VALUE, USE "Y" OR "N"

Explanation: Invalid value specified in the field. The cursor points to the field that contains the invalid value.
Corrective Action: Select Y for yes, or N for no.

CTD661E AT LEAST ONE TASKTYPE MUST BE "Y"

Explanation: At least one tasktype must be Y.
Corrective Action: Mark at least one of the task types as Y.

CTD662E AT LEAST ONE MESSAGE TYPE MUST BE "Y"

Explanation: At least one message type must be Y. All of the Y/N options were marked N.
Corrective Action: Mark at least one of the message types Y.

CTD663E AT LEAST ONE OF THE FIRST TWO TYPES OF MISSION STATUS MUST BE "Y"

Explanation: At least one of the first two types of mission status must be Y. Both are marked N.
Corrective Action: Mark at least one of the first two types of mission status as Y.
CTD664S INTERNAL ERROR BEFORE CALLING CTDUMS

**Explanation:** Internal error.
The function requested is not performed.

**Corrective Action:** Have your system programmer call BMC Software Customer Support.

CTD665E CANNOT RERUN MISSION *missionName* `ODATE odate` - TASK NOT ENDED

**Explanation:** The *missionName* mission of the `odate` original scheduling date did not finish executing, therefore it cannot be rerun.
The rerun request is ignored.

**Corrective Action:** Try again later.

CTD666S INTERNAL ERROR - UNEXPECTED RETURN CODE FROM CTDTDWY

**Explanation:** Internal error. Invalid return code from the CTDTDWY Control-D internal program (Why screen).

**Corrective Action:** Have your system programmer call BMC Software Customer Support.

CTD667E "WHY" OPTION CAN BE USED ONLY ON TASK IN "WAIT SCHEDULE/PROCESS" STATE

**Explanation:** The WHY option (?) is used to determine the reason a task is waiting to be scheduled. It cannot be used unless the task is in the WAIT SCHEDULE or WAIT PROCESS state.
The user request is ignored.

**Corrective Action:** No action is required.

CTD668S INTERNAL ERROR - UNEXPECTED RETURN CODE FROM CTDTAPR *rc*

**Explanation:** Internal error. Invalid return code from the CTDTAPR Control-D internal program (Printing Mission Zoom screen).

**Corrective Action:** Have your system programmer call BMC Software Customer Support.

CTD669E ERROR ON ACTIVE MISSIONS FILE. CANNOT BUILD ZOOM SCREEN

**Explanation:** Result of the ZOOM (Z) command. Error in the contents of the Active Missions file.
Possible causes are:
• The Active Missions file has been corrupted, perhaps by incorrect usage of one of the Control-D user exits.
• An internal Control-D error occurred.

**Corrective Action:** Call your system programmer for assistance. A dump of the file will be needed to solve the problem.

**CTD66AE "BYPASS" OPTION CAN BE USED ONLY ON MISSION IN "WAIT SCHEDULE/PROCESS"**

**Explanation:** The “BYPASS” option is used for ignoring the conditions that prevent a mission from starting. The “BYPASS” option cannot be used unless a mission is in a WAIT SCHEDULE or WAIT PROCESS state.

**Corrective Action:** Cancel the "BYPASS" option.

**CTD670S INTERNAL ERROR. CANNOT BUILD ZOOM SCREEN**

**Explanation:** Internal Control-D error while building the Zoom screen.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**CTD671E CANNOT action MISSION missionName ODATE odate - IN REQUESTED CHANGE MODE**

**Explanation:** A user tried to FREE or DELETE a task which is still in the REQUESTED CHANGE mode. The request is ignored.

**Corrective Action:** Wait until the REQUESTED CHANGE status disappears and then try again.

**CTD672E CANNOT SAVE MISSION. INSUFFICIENT SPACE IN MISSION RECORD - USE LESS DATA**

**Explanation:** Additional data were added to the mission on the Zoom screen, and the message appears as a result of the SAVE command. When a mission order is placed on the Active Missions file, space is reserved for possible future addition of data by the user. This message appears whenever this space is exhausted.

New mission data are not saved.

**Corrective Action:** Try to delete some data in the Zoom screen. If you are trying to add ON statements, try to delete other ON statements. For OUT conditions, delete unnecessary OUT statements, and so on. Deletion of all SHOUT WHEN messages, usually releases enough space. If all these actions fail, delete the mission order, and re-issue it manually with the new data using the CLIST CTDMISRQ.

If the problem persists, consult BMC Software Customer Support.
CTD673E CANNOT \textit{action} MISSION \textit{missionName} ODATE \textit{odate} - MISSION IN PROCESS

\textbf{Explanation:} Result of DELETE (D) request for the \textit{missionName} mission of the \textit{odate} original scheduling date, which is in process. You can only delete a mission that awaits scheduling, or that has finished executing (ended).

The request is ignored.

\textbf{Corrective Action:} Free the mission, let Control-D analyze it and bring it to the ENDED status.

CTD675E OPTION NOT SUPPORTED YET FOR THIS TYPE OF MISSION

\textbf{Explanation:} The Zoom option for this type of mission is not yet supported.

The requested Zoom action is not performed.

\textbf{Corrective Action:} No action is required.

CTD680E THERE ARE NO RESTORE REQUESTS FOR MISSION \textit{misName} (TIMESTAMP=\textit{misTime})

\textbf{Explanation:} This error message indicates that no reports were assigned to the Restore Mission (\textit{misName}).

The following variables are used in this message:

- \textit{misName} - the name of the Restore Mission
- \textit{misTime} - the time stamp of the Restore Mission

The Restore Mission terminates with a status of NOTOK.

\textbf{Corrective Action:} No action is required.

CTD682E RC=\textit{rc} FROM CTMMEM. MISSION \textit{misName} TIMESTAMP=\textit{misTime} TERMINATED

\textbf{Explanation:} This error message indicates an error occurred during the processing of a Control-D SKL or JOB library that prevented the Restore Mission (\textit{misName}) from continuing.

The following variables are used in this message:

- \textit{rc} - the return code passed back from the program that was processing the library
- \textit{misName} - the name of the Restore Mission
- \textit{misTime} - the time stamp of the Restore Mission

The Restore Mission terminates with a status of NOTOK.

\textbf{Corrective Action:} Look in the IOA log for other messages to determine the cause of the failure. Call your INCONTROL Administrator.

CTD686E DSN \textit{dsn} NOT IN CATALOG

\textbf{Explanation:} The requested DSN \textit{dsn} is not in the catalog. Possible causes are:
- Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or
  %%LIBSYM %%MEMSYM statement).
- JOA Online facility - schedule, calendar or rule definition.
- New Day procedure - failure to read a calendar from the data set described by the DACAL DD
  statement.

The system action depends on the cause, as follows:
- AutoEdit facility - job submission stops.
- JOA Online facility - reading or updating of the table, calendar or rule is not performed.
- New Day procedure ends with errors.

**Corrective Action:** The appropriate response depends on the cause, as follows:
- AutoEdit facility - correct the JCL for the job and rerun it.
- Online facility - correct the library name and retry.
- New Day procedure - correct the New Day procedure and retry.

**CTD688I** RESTORE TASK STARTED.

**Explanation:** This information message indicates that the Control-D internal restore task has begun. This
is the normal message that the application should issue when a restore task starts.

**Corrective Action:** No action is required.

**CTD689E** [taskType memName] jobName jobId orderId MAXIMUM
NUMBER OF MEMBERS/LINES IN MEMBER EXCEEDED

**Explanation:** There is insufficient memory to read a large member from the library.

The system action and appropriate user response depend on the circumstances at the time the message
is issued, as follows:
- If this message was issued during the New Day procedure, the cause is failure to read a calendar
  from the data set described by the DCAL DD statement. In this case, job submission fails. Increase
  the REGION size or LOGON size, and try again.
- If this message was issued while you were using the Control-M AutoEdit facility, the cause is failure to
  read one of the following symbols members:
  - a %%GLOBAL statement
  - a %%LIBSYM %%MEMSYM statement

In this case, job submission fails. Increase the REGION size or LOGON size, and try again.
- If this message was issued while you were using the Control-M Online facility, the cause is failure to access a schedule or calendar definition. Increase the REGION size or LOGON size, and try again.

- If this message was issued while you were using the CTMTBUPD or CTMXRF Control-M utilities, the cause is failure to access a schedule definition. In this case, utility execution fails. Increase either the SLINMAX or the SCHDMAX utility control statements, as appropriate. For more information, see the INCONTROL for z/OS Utilities Guide.

**Corrective Action:** No action is required.

**CTD691E INVALID PARAMETERS FOR RESTORE ANALYZE PROGRAM**

**Explanation:** An invalid parameter was passed to the restore job. This message is produced by the last step of the restore job, which executes the CTDRCSC program. CTDRCSC analyzes the output of the restore process. The parameters passed to this program are wrong. For further details, see the INCONTROL for z/OS Administrator Guide.

The restore of the requested data sets will not be performed. The status of the Restore Mission will remain RESTORE IN PROCESS.

**Corrective Action:** Do the following:

1. Check the last step of the restore job which can be found on the library allocated to the DADJOB DD statement. This step executes the CTDRCSC program, and has two parameters, timestamp and mission name. For the correct format of these two parameters, see the RSTDFDSS sample skeleton job in the Control-D SKL library, modify the JCL, and rerun the job. The status of the Restore Mission will then change to ENDED OK.

2. In order to prevent this problem from occurring again, modify the last step of the restore job which can be found on the library allocated to the DADSKL DD statement.

**CTD693E CATEGORY=cat NOT FOUND IN MEMBER=memName LIBRARY=libName**

**Explanation:** A mission in cat category that was specified in the mission order list has not been found in the memName member of libName library.

The indicated mission is not entered into the Active Mission file.

**Corrective Action:** Correct the mission order list and re-order the indicated mission.

**CTD694E MISSION misName TIMESTAMP=misTime FAILED TO OPEN RESTORE UTILITY MESSAGES FILE**

**Explanation:** The restore job executing the specified restore mission was unable to open the messages file of the invoked restore utility.

The variables in this message are:

- **misName** - the name of the restore mission
- **misTime** - the time stamp of the restore mission

The restore mission ends NOTOK.

**Corrective Action:** Check the additional messages issued from the restore job.
CTD696E MISSION misName TIMESTAMP=misTime FAILED TO OPEN ACTIVE MISSION FILE

**Explanation:** The restore job executing the specified restore mission was unable to open the Active Mission file.

The variables in this message are:
- `misName` - the name of the restore mission
- `misTime` - the time stamp of the restore mission

The restore job only prints the restore utility log.

**Corrective Action:** Call your INCONTROL Administrator.

CTD696I ALL MISSIONS PROCESSED SUCCESSFULLY

**Explanation:** This information message is issued when terminating the selection and placing missions on the Active Missions file. This message appears even if no missions were placed on the Active Missions file.

This message is issued by:
- CLISTs that schedule missions manually
- New Day procedure

For more information, see the relevant section of the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** No action is required.

CTD697S SEVERE ERROR IN PROCESSING MISSIONS - PROCESSING TERMINATED

**Explanation:** The processing of the missions ended with errors. There is at least one earlier message concerning the errors.

The New Day procedure or CLIST ends with a return code of 08.

**Corrective Action:** Check the previous error messages and correct accordingly. If necessary, correct the Date Control record manually to allow the next run of the New Day procedure. For more details, see the *INCONTROL for z/OS Administrator Guide*.

CTD698S UNABLE TO PROCESS ANY MISSION

**Explanation:** The CTDRRQ, CTDPRQ, CTDBRQ, or CTDSRQ module was unable to open the IOA Log file or DD name SYSPRINT. There is a prior message concerning the error.

The New Day procedure or CLIST ends with a return code of 12.

**Corrective Action:** Check the previous error message. Correct the error, then rerun the New Day procedure or CLIST.
CTD69AI NO MISSIONS WERE SCHEDULED DURING ORDERING REQUEST

Explanation: This information message indicates that the user ordered missions. However, the missions were not scheduled because the scheduling dates defined in the missions do not match the current working date.

Corrective Action: No action is required.

CTD69BE UNABLE TO ORDER OLD MIGRATION MISSION DEFINITION. UPDATE THE MISSION AND REORDER

Explanation: A migration mission with a definition that does not support multistage migration paths was ordered. The STAGE parameter must be specified for at least stage 01. Migration mission definitions that do not contain the STAGE parameter do not satisfy this requirement.

The migration mission is not ordered.

Corrective Action: Redefine the migration mission with the STAGE parameter and reorder the migration mission.

Messages CTD700 through CTD7xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTD701E PLEASE FILL IN REPORT/JOB NAME OR OMIT CATEGORY

Explanation: A category name is specified, but the report or job name is missing. A report or job must be specified as well as a category name.

Corrective Action: Either fill in a report or job name or omit the category to get a list of reports or jobs in the library.

CTD702E CTLG N CAN NOT BE SPECIFIED FOR THIS MEDIA TYPE

Explanation: The CTLG subparameter is specified as N (do not catalog the migrated files) for a medium type that is not CART. This option can be used only for a cartridge type specified as CART in the IOASPRM member.

Corrective Action: Specify Y or blank in the CTLG subparameter.

CTD710E JOBID CAN BE JOBnum TSUnum STCnum* OR BLANK

Explanation: There is an invalid value in a decollation mission JOBID field.

The JOBID field in a Decollation mission can take one of the following values only:
Job ID can be JOBnum, TSU num, STC num, or blank.

Corrective Action: Specify a JobID in one of the above formats, or leave the field empty.

CTD712E Valid values for IN QUEUE are "Y", "N", "E", or blank.

Explanation: There is an invalid value in the WHEN IN QUEUE Decollation Mission field. Valid values for WHEN IN QUEUE field in a decollation mission are Y, N, E or BLANK only.

Corrective Action: Specify either Y, N, or E in the WHEN IN QUEUE field, or leave it empty.

CTD713E Job ID can be JOBnum, TSU num, STC num, or blank.

Explanation: There is an invalid value in a decollation mission Job ID field. The Job ID field in Decollation mission can take one of the following values only:

- JOB num
- TSU num
- STC num
- (Blank)

Corrective Action: Specify a JobID in one of the above formats, or leave the field empty.

CTD714E Until line should be blank when FROM line is *.

Explanation: There is an invalid value in the WHEN TO LINE field in a decollation mission. If an asterisk is specified in the second WHEN FROM LINE field, the WHEN TO LINE field must be blank.

Corrective Action: Clear the WHEN TO LINE field with a blank, or change the value of the WHEN FROM LINE field.
CTD715E MASK IN JOBNAME IS ALLOWED ONLY FOR GENERIC DECOLLATIONS

Explanation: A mask character in the JOBNAME parameter for a decollation mission is not generic. In a non-generic decollation mission, the JOBNAME parameter must be unique and cannot contain mask characters.

Corrective Action: Either make the decollation generic, or specify a unique value in the JOBNAME parameter.

CTD716E FOR RECORD LEVEL INDEX, MASK MUST HAVE LINE RANGE AND INDEX LINE +/-

Explanation: The DO INDEX statement is invalid. A record level index was specified without a line range for the mandatory mask, or without an index line location defined as a +/- offset from the location of the line containing the mandatory mask.

If a DO INDEX statement contains the REC parameter set to Y or C, it must also contain both of the following:

- a mask for the record-level index with a line range for that mask
- a line offset for the index value which begins with a + or - sign.

The decollation mission is not saved or updated.

Corrective Action: Specify a page-level index (set REC to N), or specify a mask with a mask line range and an index value location which is defined as a + or - offset from the mask line.

CTD719E FOR JOBNAME_DDNAME INDEX MIGRATION MISSION MUST BE "JOBARC"

Explanation: A migration mission name other than JOBARC was specified in a JOB ARCHIVE decollation mission definition. Decollation definitions for the JOB ARCHIVE utility must include both the special index JOBNAME_DDNAME and the migration mission name JOBARC.

The cursor stays in the field until the correct migration mission name is specified.

Corrective Action: Change the migration mission name to JOBARC.

CTD71AE MASK mparm CONFLICTS WITH INDEX iparm +/-

Explanation: There is a conflict between the values specified for the following parameters, because one of these values is invalid:

- the LINE or COL parameter in a MASK statement
- the LINE or COL parameter in a DO INDEX or SUBINDEX statement where the value started with a + or - sign

For more information on these parameters, see the Control-D and Control-V User Guide.

The variables in this message are:
### mparm - the value of the LINE or COL parameter of the MASK statement

The system waits for the parameter values to be corrected.

**Corrective Action:** Correct the parameter values.

#### CTD725I TOP OF CATEGORIES LIST

**Explanation:** This information message indicates that a user attempted to jump to the previous category (using PF10) but the current category is the first category in the member.

**Corrective Action:** No action is required.

#### CTD726I BOTTOM OF CATEGORIES LIST

**Explanation:** This information message indicates that a user attempted to jump to the previous category (using PF11) but the current category is the last category in the member.

**Corrective Action:** No action is required.

#### CTD751E PLEASE FILL IN MISSION NAME OR OMIT CATEGORY

**Explanation:** Category name specified, but mission name missing. A mission name must be defined.

**Corrective Action:** Either fill in mission name or omit category name to get a list of missions in the library.

#### CTD769E VALID MISSION TYPE IS PRT/BKP/RST

**Explanation:** An invalid mission type was entered.

Valid mission types:

- **PRT** - Printing Mission
- **BKP** - Backup Mission
- **RST** - Restore Mission

**Corrective Action:** Correct the mission type field.

#### CTD770E MISSION TYPE MUST BE SPECIFIED WHEN ENTERING A NEW MISSION

**Explanation:** Missing the mission type field on the Mission Definition screen. The mission type (PRT, BKP or RST) must be entered when defining a new mission.

**Corrective Action:** Enter the appropriate mission type.

#### CTD770S OPEN OF CONTROL-D COMMUNICATION FILE FAILED

**Explanation:** The CTDFRCOM utility, which is used to allocate and format the Control-D Communication file, could not open the file.

Possible causes are:
The DACOM DD statement is missing.
There is insufficient memory for the job.
The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**CTD771I** FORMATTING OF CONTROL-D COMMUNICATION FILE STARTED

**Explanation:** This information message indicates that the Control-D Communication file is currently being formatted.

**Corrective Action:** No action is required.

**CTD772I** FORMATTING OF CONTROL-D COMMUNICATION FILE ENDED

**Explanation:** This information message indicates that the formatting of Control-D Communication file by the CTDFRCOM utility ended.

**Corrective Action:** No action is required.

**CTD773S** FORMATTING OF CONTROL-D COMMUNICATION FILE - WRITE I/O ERROR

**Explanation:** An I/O error occurred during formatting of the Control-D Communication file. This may occur when there is incompatibility between the definition of the Communication file in the Installation Parameters (COMSIZE in CTDPARM) and the JCL SPACE or DCB parameters.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct either the JCL or the Installation Parameters.

**CTD774S** CONTROL-D COMMUNICATION FILE WAS NOT BUILT

**Explanation:** Due to a problem described by other messages, the Control-D communication file was not built. The CTDFRCOM utility stops executing with a condition code of 08.

**Corrective Action:** Examine the contents of the system log for additional messages that may clarify the cause of the error. If the CTD913S message is issued, follow the explanation contained in the CTD913S message. If this does not solve the problem, record all related information, including the contents of the CTD913S message, and contact BMC Software Customer Support.

**CTD775I** monName CONTROL-D PRINTERS CONTROL-MONITOR STARTED

**Explanation:** This information message indicates that the monName Control-D Printers Control monitor started.

**Corrective Action:** No action is required.

**CTD776E** monName CONTROL-D PRINTERS CONTROL-MONITOR ALREADY ACTIVE

**Explanation:** Highlighted, unrollable message.
Someone tried to start the monName Control-D Printers Control monitor, which is already active. The Control-D Printers Control monitor is automatically activated from the Control-D monitor. It should not be activated manually.

The monName Control-D Printers Control monitor will shut down.

Corrective Action: No action is required.

CTD777S monName CONTROL-D PRINTERS CONTROL-MONITOR ENDED WITH ERRORS

Explanation: Highlighted, unrollable message.

The monName Control-D Printers Control monitor ended with errors. The IOA Log should contain additional messages concerning each specific error.

The monName Control-D Printers Control monitor and the Control-D monitor will shut down.

Corrective Action: Check the IOA Log and the system log for the reason. Call the system programmer for assistance if needed. Try to start the Control-D monitor again as soon as possible.

CTD778I monName ALL MODIFY/STOP COMMANDS MUST BE ISSUED BY CONTROL-D MAIN MONITOR ONLY

Explanation: This information message indicates that the user tried to issue a MODIFY or STOP command to either the Control-D Printers Control monitor or to a Control-D secondary monitor. A MODIFY or STOP command to the Control-D Printers Control monitor or a Control-D secondary monitor can only be issued by the Control-D primary monitor.

The MODIFY or STOP command is ignored.

Corrective Action: No action is required.

CTD779I monName CONTROL-D PRINTERS CONTROL-MONITOR ENDED

Explanation: Highlighted, unrollable message.

This information message is the general message which is issued when the Control-D Printers Control monitor ends.

Corrective Action: In this message, monName is the name of the Printers Control monitor that has ended.

CTD781E FIELD MUST BE NUMERIC AND IN RANGE OF 1-255

Explanation: An invalid value has been specified in the INTERVAL parameter. The INTERVAL parameter must be numeric, and must contain three digits in the range from 000 through 254.

Corrective Action: Correct the INTERVAL parameter.
CTD782E INVALID PRINTER NAME. YOU CAN USE ONLY NAMES DEFINED TO CONTROL-D

**Explanation:** An invalid printer name has been specified in the PRINTER parameter of the Printing Mission Definition screen. The printer name specified must be defined in the Control-D Installation Parameters.

**Corrective Action:** Correct the PRINTER parameter.

CTD783E PLEASE FILL IN THE PRINTER NAME

**Explanation:** Missing the PRINTER parameter in the Printing Mission Definition screen. The PRINTER parameter is obligatory if the DEST parameter is specified.

**Corrective Action:** Specify the printer name to be used for printing the bundle.

CTD784E FORM NAME MUST BE SPECIFIED FOR REQUEST

**Explanation:** Missing the FORM parameter in the Printing Mission Definition screen. The FORM parameter is required if the REQUEST parameter is specified.

**Corrective Action:** Specify the form number or name to be used in printing the bundle.

CTD785E PLEASE FILL IN THE REQUEST

**Explanation:** Missing the REQUEST parameter in the Printing Mission Definition screen. The REQUEST parameter is obligatory if the FORM parameter has been specified.

**Corrective Action:** Specify the REQUEST to be used in printing the bundle.

CTD788E PLEASE FILL IN THE PRINTING MISSION NAME

**Explanation:** The MISSION NAME parameter on the Printing Mission Definition screen has not been specified. The MISSION NAME parameter is obligatory.

**Corrective Action:** Specify the Printing Mission name.

CTD789E INVALID FORMAT OF SORT PARAMETERS

**Explanation:** The format of the SORT SEQ parameter of the Printing Mission Definition screen is invalid. Sort sequence numbers (1-9) must be separated by commas. For details, see the SORT parameter in the Control-D and Control-V User Guide.

**Corrective Action:** Correct the SORT SEQ parameter.

CTD790E INVALID SORT SEQUENCE NUMBER

**Explanation:** The sort sequence number in the SORT parameter of the Printing Mission Definition screen is invalid. Valid sort sequence numbers are from 1 through 9. For details, see the SORT parameter in the Control-D and Control-V User Guide.

**Corrective Action:** Correct the SORT SEQ parameter.
CTD791E DUPLICATE SORT SEQUENCE NUMBER

**Explanation:** The same sort sequence number was entered twice in the SORT parameter of the Printing Mission Definition screen. Each sort sequence number must be used only once.

**Corrective Action:** Correct the SORT SEQ parameter.

CTD795E SKELETON MEMBER NAME MUST BE FILLED IN WHEN BATCH=Y

**Explanation:** A value of Y was entered in the BATCH parameter, but the name of the skeleton member was not specified. When defining a batch print mission, you must specify the skeleton member name.

**Corrective Action:** Specify the skeleton member name or change the batch parameter to N.

CTD796E SKELETON MEMBER NAME MUST BE BLANK WHEN BATCH=N

**Explanation:** The skeleton member name was specified, but the BATCH parameter was specified as N. The skeleton member name is valid only when the BATCH parameter is Y.

**Corrective Action:** Erase the skeleton member name or change the BATCH parameter to Y.

CTD797E FREE FIELD CAN BE "CLOSE" OR "END" ONLY

**Explanation:** An invalid value was specified in the FREE field.

Valid values for the FREE field are:

- CLOSE
- END

**Corrective Action:** Specify either CLOSE or END in the FREE field.

CTD798E FREE FIELD CANNOT BE "END" WHEN BATCH=N

**Explanation:** END was specified in the FREE field, but the BATCH parameter was N. END is valid in the FREE parameter for batch print missions only. That is, BATCH must be set to Y.

**Corrective Action:** Change the value of the FREE parameter to CLOSE, or change the value of the BATCH parameter to N.

CTD79AE "MONITOR" FIELD SHOULD BE BLANK OR NUMERIC (1 - 9)

**Explanation:** An invalid value was specified in the MONITOR parameter of the Printing Mission Definition.

The MONITOR Printing Mission Definition parameter specifies which Control-D Printing monitor address space processes the Printing Mission. The MONITOR parameter can be blank to allow Control-D or Control-V to automatically select the next available Printing monitor, or it can be a number from 1 through 9 to specify the Printing monitor that should process the Printing Mission.

The Printing Mission Definition is not created or saved until a valid value is entered for the MONITOR parameter.

**Corrective Action:** Enter a number from 1 to 9 in the field for the MONITOR parameter or leave the field blank, then save the Printing Mission Definition.
CTD79CI FORMATTING OF CONTROL-D PAGE COUNTER FILE ENDED

Explanation: This information message indicates that the Page Counter file was formatted successfully by the CTDFRPGC utility.

The CTDFRPGC utility terminates with a return code of 0.

Corrective Action: No action is required.

CTD79DS CONTROL-D PAGE COUNTER FILE WAS NOT BUILT

Explanation: The Page Counter file was not formatted by the CTDFRPGC utility because an error was encountered.

The CTDFRPGC utility terminates with a return code of 8.

Corrective Action: For an explanation of the problem, see the previously issued message (CTM910S or CTM913S). Correct the problem and rerun the utility.

CTD79ES OPEN OF CONTROL-D PAGE COUNTER FILE FAILED

Explanation: The CTDFRPGC utility could not open the Page Counter file for formatting.

The Page Counter file is not formatted. The CTDFRPGC utility terminates with a return code of 8.

Corrective Action: Check the system log output of the job that executed the CTDFRPGC utility for messages associated with the open error. Correct the problem and rerun the utility.

CTD79FS FORMATTING OF CONTROL-D PAGE COUNTER FILE - WRITE I/O ERROR

Explanation: The CTDFRPGC utility could not write a record to the Page Counter file during format processing.

The Page Counter file is not formatted. The CTDFRPGC utility terminates with a return code of 8.

Corrective Action: Check the system log output of the job that executed the CTDFRPGC utility for messages associated with the open error. Correct the problem and rerun the utility.

CTD7A0S PAGE COUNTER FILE FULL. PAGE COUNTING TERMINATES

Explanation: An attempt was made to add a record to the Page Counter file during decollation processing, but no space remains.

Processing of the Page Counter file terminates. The decollation process continues.

Corrective Action: Ignore this message if Page Counter file processing is not needed because the ON PAGE parameter is not specified in any Printing Mission Definition. If Page Counter file processing is needed, stop the Control-D Decollation monitor, delete the Page Counter file (CTD PGC), and use job CTDFRPGC to format a new CTD PGC file with a larger PGCSIZE value. Then restart the Control-D Decollation monitor.
CTD7A1I DDCARD "DAPGC" MISSING. PAGE COUNTING TERMINATES

**Explanation:** This information message indicates that the DAPGC DD statement was not defined in the Control-D Decollation monitor JCL. The Control-D Decollation monitor could not initialize Page Counter file processing because the Page Counter file is not referenced by the DAPGC DD statement.

The Control-D Decollation and Printing monitors continue normal execution but Page Counter file processing is disabled.

**Corrective Action:** Ignore this message if Page Counter file processing is not needed because the ON PAGE parameter is not specified in any Printing Mission Definition. If Page Counter file processing is needed, stop the Control-D Decollation monitor, add the DAPGC DD statement to the monitor JCL, then restart the Control-D Decollation monitor.

CTD7A2S INTERNAL ERROR IN FUNCTION func. PAGE COUNTING TERMINATES

**Explanation:** The Control-D Decollation monitor encountered an internal error during Page Counter file processing. The following are possible causes of the problem:

- Page Counter file corruption
- Insufficient space allocated for the Page Counter file (usually due to a large number of PRINT missions)

The Control-D Decollation and Printing monitors continue normal execution but Page Counter file processing is disabled.

**Corrective Action:** Ignore this message if Page Counter file processing is not needed because the ON PAGE parameter is not specified in any Printing Mission Definition. If Page Counter file processing is needed, stop the Control-D Decollation monitor, delete the Page Counter file (CTD PGC), and use job CTDFRPGC to format a new CTD PGC file with a larger PGCSIZE value. Then restart the Control-D Decollation monitor. If this does not restore Page Counting, prepare the relevant IOA Log file and the system log message output, and contact BMC Customer Support.

Messages CTD800 through CTD8xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTD800E PLEASE FILL IN JOBNAME

**Explanation:** Missing job name. The JOBNAME field is obligatory.

**Corrective Action:** Fill in the name of the job. This decollating mission will process the reports (outputs) of the specified job name.

CTD801E PLEASE FILL IN OWNER ID

**Explanation:** Missing owner ID. The owner ID field is obligatory.

**Corrective Action:** Fill in the owner ID. This parameter identifies the user who requests Control-D services. This parameter is mainly used by the Control-D security mechanism.
CTD802E INVALID FORMAT OF DAYS PARAMETER

Explanation: Invalid format specified in the DAYS parameter. The DAYS parameter should contain 1-31, ALL, +1, +3, and so on. For more details, see the DAYS parameter in the Control-D and Control-V User Guide.

Corrective Action: Correct the contents of the field.

CTD803E "ALL" PARAMETER MIXED WITH SPECIFIC - CORRECT

Explanation: The ALL parameter was specified together with specific days in the DAYS parameter or the WDAYs parameter. You cannot specify WDAYs or DAYS with the ALL option.

Corrective Action: Omit either the ALL option or the SPECIFIC DAYS option.

CTD804E INVALID FORMAT OF WDAYs PARAMETER

Explanation: Invalid format of WDAYs parameter. WDAYs parameter should contain 0-6, ALL, +1, and so on. For more details, see the WDAYs parameter in the Control-D and Control-V User Guide.

Corrective Action: Correct the WDAYs field.

CTD805E MAXWAIT SHOULD BE 00-31 OR 99

Explanation: The MAXWAIT parameter value is invalid. MAXWAIT should be in the range from 00 through 31 (days in which to execute the mission) or 99 (forever).

Corrective Action: Correct the MAXWAIT field.

CTD806E EXPECTED CONTINUATION NOT RECEIVED (AFTER ",")

Explanation: The DAYS or WDAYs parameter ended with a comma. Additional data is expected after the comma.

Corrective Action: Correct the parameter.

CTD807E DAYS OPTION AND WDAYs OPTION CANNOT BE MIXED

Explanation: The DAYS parameter and the WDAYs parameter were specified together. The WDAYs parameter cannot appear with the DAYS parameter.

Corrective Action: Select either WDAYs or DAYS.

CTD808E DATES PARAMETER CONFLICTS WITH DAYS, WDAYs OR MONTHS OPTION

Explanation: The DATES parameter was mixed with DAYS, WDAYs or MONTHS parameters. The DATES parameter must appear alone.

Corrective Action: Erase any data in the DAYS, WDAYs and MONTHS parameters.

CTD809E CANNOT MIX DATES OPTIONS WITH CONFCAL OPTION

Explanation: The DATES and CONFCAL parameters were both specified. These parameters cannot be specified together.
Corrective Action: Omit either the DATES or CONFCAL specification.

CTD810E CANNOT MIX MINIMUM/PDS WITH OPTIONS DAYS, WDAYS, MONTHS, DATES OR CONFCAL

Explanation: The MINIMUM and PDS parameters were specified with DAYS, WDAYS, MONTHS, DATES or CONFCAL parameters. The MINIMUM and PDS parameters must appear without any date-related parameters.

Corrective Action: Specify either the MINIMUM and PDS parameters or the date-related parameters, but not both.

CTD811E MINIMUM AND PDS MUST BE FILLED IN TOGETHER

Explanation: The MINIMUM parameter was specified, but the PDS field is empty, or vice versa. MINIMUM and PDS parameters must be filled in together.

Corrective Action: Fill in both the MINIMUM and PDS fields.

CTD812E INVALID CONDITION DATE REFERENCE

Explanation: Invalid condition date reference specified. Date reference should be ODAT, PREV, ****, or mmdd (ddmm). For more details, see these parameters in the Control-D and Control-V User Guide.

Corrective Action: Correct the date reference.

CTD813E MISSING/INVALID CONDITION OPTION. TRY "+- ADD OR "- "- DELETE

Explanation: Invalid or missing condition option. Condition option should be + for ADD, or - for DELETE. For more details, see these parameters in the Control-D and Control-V User Guide.

Corrective Action: Insert + or - in the condition option field.

CTD814E INVALID ACTION

Explanation: Invalid action specified in DO statement. For valid actions, see the Control-D and Control-V User Guide.

Corrective Action: Correct the DO action field.

CTD815E INVALID URGENCY. USE "R"- REGULAR, "U"- URGENT OR "V"- VERY URGENT

Explanation: Invalid SHOUT urgency specified. SHOUT urgency should be R for regular, U for urgent, or V for very urgent. For more details, see these parameters in the Control-D and Control-V User Guide.

Corrective Action: Fill in R, U, or V in the SHOUT urgency field.

CTD816E INVALID "WHEN" ATTRIBUTE

Explanation: Invalid WHEN attribute of SHOUT statement.

WHEN should be one of the following:
• OK
• NOTOK
For more details, see the Control-D and Control-V User Guide.

**Corrective Action:** Correct the WHEN field.

**CTD817E INVALID SHOUT DESTINATION CODE**

**Explanation:** Invalid SHOUT destination code.
SHOUT destination code should be one of the following:
• OPER
• OPER2
• USERID-usrid
• TSO-logonid
For more details, see the Control-D and Control-V User Guide.

**Corrective Action:** Correct the SHOUT destination field.

**CTD818E PLEASE FILL IN THE "IN" PREREQUISITE CONDITION NAME**

**Explanation:** Missing IN prerequisite condition name. The condition date reference was specified without a corresponding condition name.

**Corrective Action:** Fill in the IN prerequisite condition name field.

**CTD819E PLEASE FILL IN THE PREREQUISITE CONDITION NAME**

**Explanation:** Missing prerequisite condition name in DO COND statement. At least one condition is expected in DO COND statement.

**Corrective Action:** Fill in the prerequisite condition name.

**CTD820E USE OF PREV/NEXT DATE REFERENCE CONFLICTS WITH PDS/MINIMUM OPTIONS**

**Explanation:** A PREV (or NEXT) date reference was specified for a job scheduled by the PDS parameter. There is no next date or previous date when the job is scheduled according to the status of the library.

**Corrective Action:** Use another valid date reference.

**CTD821E ONLY CODE OPTION "-" ALLOWED FOR DATE REFERENCE $$$$/******

**Explanation:** Code option + was specified for a generic date reference. You cannot add a prerequisite condition to all possible dates of the year.

**Corrective Action:** Enter "-" in the code option or use a different date reference.
CTD822E REDUNDANT TEXT IN SHOUT PARAMETER

**Explanation:** The SHOUT WHEN parameter contains data which is not relevant to the SHOUT option specified, or the SHOUT WHEN is empty.

**Corrective Action:** Erase the redundant text.

CTD823E PLEASE FILL IN THE SHOUT LINE BEFORE THIS MESSAGE LINE

**Explanation:** A message is filled in, but the SHOUT line before it is empty.

**Corrective Action:** Fill in the SHOUT WHEN field. If necessary, fill in the TO destination field as well.

CTD824E PLEASE FILL IN THE MESSAGE

**Explanation:** There is no message in the SHOUT statement.

**Corrective Action:** Fill in the message.

CTD827E INVALID DATA, ONLY "A","P","N" AND BLANK ARE ACCEPTABLE

**Explanation:** Invalid data specified for the SEARCH parameter.

The SEARCH parameter has the following options:

- A - Search the Active User Report List.
- P - Search the Permanent User Report List.
- N - Do not search the Report Lists.
- " " (Blank) - The default value, which is taken from optional Wish WD0933, is used.

For more information, see the *Control-D and Control-V User Guide*.

**Corrective Action:** Correct the SEARCH field.

CTD829E REDUNDANT TEXT, OR FILL IN THE PREVIOUS "ON" LINE

**Explanation:** A WHEN page identification criterion or a DO USER statement was entered without an ON statement. On the following Report Decollating screen, If there is data on the WHEN (line 2) or DO line (line 3), there must be data on the ON line (line 1).

```
DEFCOPIES01LVLUSER05DESTMAXCOPIES

1. ON (CLASS, DSN, SYSDATA, SYSLOG, SYSJCL, SYSMSG) PRT DEST MAX COPIES
   05 PRINTING PARAMETERS

2. WHEN LINE 001- 005 COL 010- 070 PRINT Y ...... STRING = MONTHLY A/R

3. DO PRINT BY MORNING
```

---
Corrective Action: Fill in the ON line (line 1), or erase the data from the WHEN (line 2) or DO line (line 3).

CTD830E INVALID "ON" VALUE

Explanation: Invalid ON statement. ON should be one of the following:

- CLASS
- DSN
- SYSOUT
- SYSDATA
- SYSLOG
- SYSJCL
- SYSMSG

Corrective Action: Correct the ON parameter.

CTD832E PLEASE FILL IN THE CLASS

Explanation: ON CLASS has been specified without the letter of the class. Corrective Action: Fill in the letter of the class.

CTD833E PLEASE FILL IN THE DSN

Explanation: ON DSN has been specified without the Compressed Dataset Access Method selection criteria. The selection criteria specified must be a valid Compressed Dataset Access Method (CDAM) retrieval parameter, such as PREFIX, PGMSTEP, and so on.

For a list of valid CDAM parameters, see the Control-D and Control-V User Guide.

Corrective Action: Fill in the selection criteria.

CTD834E FROM LINE GREATER THAN UNTIL LINE

Explanation: The FROM line is greater than the UNTIL line in the page identification criteria.

Corrective Action: Change either the FROM line or the UNTIL line.

CTD835E FROM COL GREATER THAN UNTIL COL

Explanation: The FROM column is greater than the UNTIL column in the page identification criteria.

Corrective Action: Change either the FROM column or the UNTIL column.

CTD836E INVALID VALUE. TRY "O"- OR "A"- AND OR BLANK

Explanation: Invalid AND/OR option specified. The valid options are A for and relation O for or relation, blank for no additional WHEN line.

Corrective Action: Fill in A, O, or blank.
CTD837E EXPECTING ADDITIONAL "WHEN" DATA. AND/OR FIELD IS MARKED IN PREVIOUS "WHEN" LINE

**Explanation:** An additional WHEN line has been displayed due to an A or O in the AND/OR parameter, but the line is empty.

**Corrective Action:** Fill in the additional WHEN line or delete the A or O in the previous WHEN line.

CTD838E PLEASE FILL IN A SEARCH STRING

**Explanation:** WHEN LINE/COLUMN references have been entered, but the search string is missing. If line and column references are used, the search string is obligatory.

**Corrective Action:** Fill in the search string.

CTD839E INVALID VALUE. TRY "E", "A", "S" OR BLANK

**Explanation:** The user entered an invalid value. E, A, S, or blank are the only values valid in this field.

**Corrective Action:** Enter the correct value.

CTD83AE INVALID VALUE. TRY "Y", "N", "S" OR BLANK

**Explanation:** The user entered an invalid value. Y, N, S, or blank are the only values valid in this field.

**Corrective Action:** Enter the correct value.

CTD841E PLEASE FILL IN AT LEAST ONE PRINTING MISSION NAME

**Explanation:** DO PRINT has been selected, but the Printing Mission name is missing. The Printing Mission name is obligatory when DO PRINT is used.

**Corrective Action:** Enter the Printing Mission name.

CTD842E PLEASE FILL IN AT LEAST ONE BACKUP MISSION NAME

**Explanation:** DO BACKUP has been selected, but the Backup Mission name is missing. The Backup Mission name is obligatory when DO BACKUP is used.

**Corrective Action:** Enter the Backup Mission name.

CTD843E PLEASE FILL IN THE REPORT NAME

**Explanation:** DO NAME has been selected, but the report name is missing. The report name is obligatory when DO NAME is used.

**Corrective Action:** Enter the report name, or *. For more details, see the *Control-D and Control-V User Guide*.

CTD847E REDUNDANT TEXT IN "WHEN" LINE. ERASE OR FILL IN LINE/COL RANGE

**Explanation:** There is data in the WHEN page identification criteria line AND/OR field, but no data in the LINE or COL range. In the following Report Decollating screen, if there is data in the PRINT, REF NEXT PAGE, CONT ID, AND/OR, or STRING fields, then LINE and COL must also be filled in.
INCONTROL for z/OS Messages Manual

WHEN LINE 001-005 COL 010-070 PRINT Y ......AND/OR A STRING = MONTHLY A/R

Corrective Action: Fill in the LINE or COL range, or erase the PRINT, REF NEXT PAGE, and so on, data fields.

CTD848E PLEASE FILL IN THE AND/OR FIELD IN THE PREVIOUS "WHEN" LINE

Explanation: Two consecutive WHEN lines are specified without AND/OR relations between them.
Corrective Action: Erase the second WHEN line or do as the message says.

CTD849E EITHER "LEVEL" OR "USER" CAN BE MARKED AS "\*\*" BUT NOT BOTH

Explanation: An asterisk (*) has been inserted in both the LEVEL field and the USER field of a DO USER statement.
Corrective Action: Choose one field, and clear the other.

CTD84AE THE VALUE CONFLICTS WITH MULTI-S

Explanation: The value S for the MUTLI parameter and the value Y for the STORE parameter are invalid.
Corrective Action: Leave the value of the MULTI parameter blank and set the value of the STORE parameter to N.

CTD84BE INVALID VALUE. TRY "S" OR BLANK

Explanation: The value specified for the field where the cursor is positioned is invalid.
Corrective Action: Set the value of the field to S or leave it blank.

CTD850E "USER" MUST BE MARKED AS "\*\*"

Explanation: There is data in the DO USER LINE or COL field, but the USER data field is not set to *. If either the DO USER LINE or COL field is specified, then the USER data field must be set to *. For more information, see DO USER in the Control-D and Control-V User Guide.
Corrective Action: Enter * in the USER data field, or clear the LINE and COL fields.

CTD851E "USER" MUST BE FILLED IN

Explanation: DO USER is specified, but the USER field is blank. When DO USER is specified, the USER field must be filled in.
Corrective Action: Fill in the USER field.

CTD852E FROM/UNTIL COL ARE OBLIGATORY WHEN USING "\*\*" USER/LEVEL REFERENCE

Explanation: An asterisk (*) was entered in the USER field in the DO USER parameter, but the FROM and UNTIL COL fields are unspecified. FROM and UNTIL COL fields must be specified when * is used for the USER field.
Corrective Action: Fill in the FROM and UNTIL column references.

CTD853E FROM/UNTIL COL ARE OBLIGATORY WHEN USING "*" NAME REFERENCE

Explanation: An asterisk (*) has been entered in the DO NAME field, but the FROM and UNTIL COL fields are unspecified. FROM and UNTIL COL fields must be specified when * is used for DO NAME.

Corrective Action: Fill in the FROM and UNTIL column references.

CTD854E "NAME" MUST BE MARKED AS "*"

Explanation: There is data in the DO NAME LINE and COL fields, but the NAME data field is not set to *.
If the DO NAME LINE and COL fields are entered, then the NAME data field must be set to *.
For more information, see DO NAME in the Control-D and Control-V User Guide.

Corrective Action: Enter * in the NAME data field, or erase the LINE and COL fields.

CTD855E WHEN USING CLASS "*", NO OTHER CLASS CAN BE SPECIFIED

Explanation: Invalid class mixture specified. When specifying class *, no other class can be specified.
For more information, see the Control-D and Control-V User Guide.

Corrective Action: Correct the CLASS field.

CTD856E THIS CLASS IS INVALID FOR GENERIC JOB NAMES

Explanation: Y was entered in the GENERIC field, but the data entered in the ON CLASS field contradicts the installation parameters. If Y was entered in the GENERIC field, then the ON CLASS option must contain one of the Generic classes specified during Control-D installation.

Corrective Action: Check the GENCLAS parameter of the CTDPARM and enter the correct one in the ON CLASS field.

CTD857E INVALID CLASS. THIS CLASS IS DEDICATED FOR GENERIC JOBNAMES ONLY

Explanation: N was entered in the GENERIC field, but the data entered in the ON CLASS field contradicts the Installation Parameters. If N was entered in the GENERIC field, then the ON CLASS option must not contain one of the Generic classes specified during Control-D installation.

Corrective Action: Check the GENCLAS parameter of the CTDPARM and enter the correct one in the ON CLASS field.

CTD858E ONLY "ON CLASS" IS VALID FOR GENERIC DECOLLATING MISSIONS

Explanation: Y was entered in the GENERIC field, but the ON statement does not contain the CLASS option.
A Generic decollating mission can contain ON statements only with the CLASS option.

Corrective Action: Correct the ON statement. For more information, see the Report Decollating Parameters chapter in the Control-D and Control-V User Guide.
CTD859E IN Q "N" IS INVALID FOR GENERIC DECOLLATING MISSIONS

**Explanation:** N was entered in the WHEN IN QUEUE field despite the fact that Y was entered in the GENERIC field. The parameter specified in the WHEN IN QUEUE field for Generic decollating missions must be either Y or blank.

**Corrective Action:** Enter Y or blank in the WHEN IN QUEUE field. For more information, see the Report Decollating Parameters chapter in the Control-D and Control-V User Guide.

CTD860E PREVIOUS "ON" STATEMENT HAS ONLY EMPTY "DO" AND "WHEN" LINES

**Explanation:** The user started to enter data in the fields of the new ON statement without entering data in the DO and/or WHEN fields of the previous ON statement. The ON statement must contain at least one non-empty WHEN or DO field.

**Corrective Action:** Enter data in the WHEN or DO fields of the previous ON statement, or erase data from the fields of the current ON statement.

CTD861E INVALID FORMAT OF statement, OR POS+LTH NOT IN RANGE

**Explanation:** %%JOBNAME, %%EXTWTR, or %%USERID is specified in a DO USER statement, but without a valid range. Valid format of this statement is shown below, where POS (startpos) and LTH (len) must both be numeric and not greater than 9:

```
DO USER %%variable(startpos,len)
```

The specified range may be invalid for one of the following reasons:

- No range is present.
- Range was not enclosed in parentheses.
- Range contains non-numeric values.
- Range is logically wrong.

**Corrective Action:** Correct the DO USER statement. For more information, see the DO USER parameter in the Control-D and Control-V User Guide.

CTD863E MONITOR CAN BE " " OR "1" FOR PRIMARY MONITOR OR "2-9" FOR SECONDARY MONITORS

**Explanation:** Invalid monitor number specified. The MONITOR field should be blank or 1 for the primary monitor, or 2-9 for secondary monitors.

**Corrective Action:** Correct the MONITOR field.

CTD864E INVALID MONITOR SPECIFIED FOR GENERIC MISSION

**Explanation:** Invalid monitor specified for generic mission. Generic missions can only be processed by the monitor specified in the GENMON Installation Parameter (in CTDPARM).

**Corrective Action:** Change the MONITOR field of the decollating mission to the value specified in the GENMON parameter.
CTD865E INVALID MONITOR SPECIFIED. MONITOR NOT DEFINED IN CTDPARM

**Explanation:** Invalid monitor specified. The number of Control-D monitors is defined in the CTDMON# Installation Parameter (in CTDPARM).

**Corrective Action:** Change the MONITOR field of the decollating mission to a value not higher than that specified in the CTDMON# parameter.

CTD866E INVALID LINE OPTION

**Explanation:** An invalid option was typed.

Valid options are:
- H - header option
- F - footer option
- D - delete option
- I - insert after line option
- B - header before line option
- C - column editing option
- Blank - no option

**Corrective Action:** Specify a valid option.

CTD867E HEADER/FOOTER CANNOT CONTAIN A REGULAR SCROLLABLE (BLANK) LINE

**Explanation:** Either the H option was specified after a scrollable line, or the F option was specified before a scrollable line. Header and footer sections must be entirely unscrollable. Header lines may not be preceded by scrollable unmarked lines, and the footer lines may not be followed by scrollable unmarked lines.

**Corrective Action:** Correct the header or footer specifications.

CTD868E AT LEAST ONE LINE MUST BE DEFINED AS A SCROLLABLE (BLANK) LINE

**Explanation:** No line in the page was left unmarked. At least one line must be scrollable and unmarked.

**Corrective Action:** Unmark at least one line in the page.

CTD869E INVALID CHARACTER IN "CUT" SPECIFICATION LINE

**Explanation:** An invalid range ID was specified in the Cut line. Range ID must be a digit or any letter except the letter E.

**Corrective Action:** Correct the Cut line.
CTD870E EXPECTING AN "E" CHARACTER TO TERMINATE THIS RANGE

Explanation: A specified range was not terminated with the letter E.
Corrective Action: Correct the Cut line.

CTD871E A RANGE WITH THIS LETTER IDENTIFIER IS ALREADY DEFINED

Explanation: The same letter was already used as a range ID. The same letter may not be used to specify more than one range ID. Range ID must be unique.
Corrective Action: Correct the Cut line.

CTD872E THIS "E" DOES NOT TERMINATE ANY OPEN RANGE

Explanation: A letter E that does not terminate any range was specified. The letter E may only terminate a range; it may not be used to specify a range ID.
Corrective Action: Correct the Cut line.

CTD873E NOT ENOUGH MEMORY TO SAVE COLUMNS EDITING. LAST CHANGES ARE IGNORED

Explanation: Insufficient memory to save the column editing specifications in memory.
All the latest changes are ignored.
Corrective Action: Exit from all the other screens (screen A, screen 5, and so on) and try again to specify the column editing. If it happens again, notify your INCONTROL administrator.

CTD874E USE "F" TO FREEZE COLUMN, OR BLANK FOR REGULAR COLUMN

Explanation: An invalid value was specified in the FREEZE LINE field. The FREEZE LINE describes the columns to be frozen or not frozen.
Valid FREEZE LINE options are:
- F - to freeze a column
- ' ' (Blank) - for a regular column
Corrective Action: Put a valid FREEZE LINE option in the FREEZE LINE field.

CTD877E INVALID OPTION USE BLANK OR "TEST"

Explanation: An invalid value was specified for the WRITER OPTION parameter in the Print Mission Definition screen. The only valid WRITER OPTION values are blank and TEST.
The cursor stays in the field until a valid WRITER OPTION value is specified.
Corrective Action: Specify a valid WRITER OPTION value
CTD881I  COPYING PERMANENT USER FILE TO ACTIVE USER FILE
STARTED

Explanation: This information message indicates that the CTDCP2A utility is copying the list of reports from the Permanent User Report List file to the Active User Report List file.

Corrective Action: No action is required.

CTD882I  COPYING PERMANENT USER FILE TO ACTIVE USER FILE ENDED
OK

Explanation: This information message indicates that the CTDCP2A utility has finished copying the list of reports from the Permanent User Report List file to the Active User Report List file. This is a normal end message for the CTDCP2A utility.

Corrective Action: No action is required.

CTD884S  COPYING PERMANENT USER FILE TO ACTIVE USER FILE ENDED
WITH ERRORS

Explanation: An error occurred during the execution of the CTDCP2A utility.

Corrective Action: A previous message should describe the error.

CTD885E  INVALID DATE SUPPLIED IN THE PARM FIELD

Explanation: The content of the date parameter passed to the CTDCP2A utility is invalid. The valid format is ddmmyy or mmddyy.

Corrective Action: Correct the date, and rerun the CTDCP2A utility.

Messages CTD900 through CTD9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTD900E  PLEASE FILL IN CATEGORY NAME

Explanation: The CATEGORY field is obligatory but missing from this screen.

Corrective Action: Fill in the CATEGORY field.

CTD901E  INVALID TASK TYPE

Explanation: An invalid task type was specified. For valid task types, see the Control-D and Control-V User Guide.

Corrective Action: Correct the TASKTYPE field.

CTD902E  INVALID OPTION (TRY "Y", "N" OR BLANK)

Explanation: An invalid option was specified. Valid options are Y for yes, and N or blank for no. The cursor points to the invalid value.
**Corrective Action:** Select Y, N or blank.

**CTD903E FIELD SHOULD BE NUMERIC OR BLANK**

**Explanation:** The field contains data that are neither numeric characters nor blanks. If numeric values are used, then no trailing or preceding blanks are allowed. The cursor points to the invalid field value.

**Corrective Action:** Correct field contents.

**CTD904E INVALID TIME**

**Explanation:** An invalid time was specified. The format of the TIME parameter should be hhmm. For more details, see the Control-D and Control-V User Guide.

**Corrective Action:** Correct the TIME field. Insert FROM or UNTIL.

**CTD905E INVALID LEVEL**

**Explanation:** The specified level is not defined in the installation as a valid tree level. Level must be a two letter code that is defined in the Control-D Installation Parameters (CTDPARM).

**Corrective Action:** For a list of valid level codes see option T on the Main Menu.

**CTD906I REFRESH OF PERMANENT USER FILE FROM THE ACTIVE USER FILE STARTED**

**Explanation:** This information message indicates that the CTDCA2P utility is copying the list of reports from the Active User Report List file to the Permanent User Report List file. Normal start message of the CTDCA2P utility.

**Corrective Action:** No action is required.

**CTD907I REFRESH OF PERMANENT USER FILE FROM THE ACTIVE USER FILE ENDED OK**

**Explanation:** This information message is the normal end message for the CTDCA2P utility. It indicates that the CTDCA2P utility successfully finished copying the list of reports from the Active User Report List file to the Permanent User Report List file.

**Corrective Action:** No action is required.

**CTD908S fileType USER FILE ERROR RC=rc PGM pgm_csect ID xx/yyyy FUNCTION func**

**Explanation:** An error occurred while accessing a User Report List file.

The variables in this message are:

- **fileType** - the type of User Reports List file component. Valid values for the data component are:
  - ACT
  - PRM
  - HST
• MG \( n \), where \( n \) is the migrated partition number

Valid values for the index component are composed of the index component letter, followed the data component values.

- \( rc \) - the return code from the user file interface routine.
- \( pgm\_csect \) - the program CSECT, which received the error.
- \( xx/yyy \) - an identifier for localizing the erroneous call.
- \( function \) - the operation that caused the error.

Return codes may range from 004 through 399. The return codes from 300 through 399 relate to index components. Their explanations are the same as the corresponding return codes in the range from 100 through 199, which relate to data components.

Valid values of \( rc \) are:

<table>
<thead>
<tr>
<th>( rc )</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Read operation: EOF.</td>
</tr>
<tr>
<td></td>
<td>Add index operation: Duplicate Key.</td>
</tr>
<tr>
<td></td>
<td>Update operation: Record was changed.</td>
</tr>
<tr>
<td></td>
<td>Database already used by other task for strtacse.</td>
</tr>
<tr>
<td>008</td>
<td>Duplicate key.</td>
</tr>
<tr>
<td>012</td>
<td>Incorrect record for update.</td>
</tr>
<tr>
<td>016</td>
<td>The record was not found (probably deleted), or an invalid record was read, or the function is not correct.</td>
</tr>
<tr>
<td>020</td>
<td>Insufficient memory to open an IOA Access Method file.</td>
</tr>
<tr>
<td>024</td>
<td>Not enough space in data file.</td>
</tr>
<tr>
<td>028</td>
<td>Not enough space in index file.</td>
</tr>
<tr>
<td>032</td>
<td>The current call terminates because the previous open failed.</td>
</tr>
<tr>
<td>036</td>
<td>Incorrect record length.</td>
</tr>
<tr>
<td>040</td>
<td>Internal error.</td>
</tr>
<tr>
<td>044</td>
<td>Internal error.</td>
</tr>
<tr>
<td>052</td>
<td>Invalid key fields.</td>
</tr>
<tr>
<td>056</td>
<td>Key is too long.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>058</td>
<td>For future use.</td>
</tr>
<tr>
<td>060</td>
<td>Index record does not match data record.</td>
</tr>
<tr>
<td>064</td>
<td>Wish WD1164 setting does not match file contents.</td>
</tr>
<tr>
<td>068</td>
<td>Incorrect parameter for Interface routine.</td>
</tr>
<tr>
<td>072</td>
<td>Incorrect file type.</td>
</tr>
<tr>
<td>076</td>
<td>Incorrect DBO version.</td>
</tr>
<tr>
<td>080</td>
<td>Incorrect ALT letter (or VSA type)</td>
</tr>
<tr>
<td>084</td>
<td>Incorrect ALT key length (Start)</td>
</tr>
<tr>
<td>088</td>
<td>Incorrect record version.</td>
</tr>
<tr>
<td>104</td>
<td>• Record not found.</td>
</tr>
<tr>
<td></td>
<td>• No room to add record.</td>
</tr>
<tr>
<td>106</td>
<td>Record not found.</td>
</tr>
<tr>
<td>108</td>
<td>Record not found. Invalid extent number.</td>
</tr>
<tr>
<td>109</td>
<td>Record not found. Invalid block number.</td>
</tr>
<tr>
<td>110</td>
<td>Internal error. Record not found. Invalid extent number.</td>
</tr>
<tr>
<td>111</td>
<td>Internal error. Record not found. Invalid block number.</td>
</tr>
<tr>
<td>112</td>
<td>Insufficient memory for internal buffers.</td>
</tr>
<tr>
<td>113</td>
<td>Open failed for database file.</td>
</tr>
<tr>
<td>114</td>
<td>RDJ FCB failed for database file.</td>
</tr>
<tr>
<td>116</td>
<td>Corrupted free list.</td>
</tr>
<tr>
<td>118</td>
<td>Corrupted record.</td>
</tr>
<tr>
<td>119</td>
<td>Record not found.</td>
</tr>
<tr>
<td>120</td>
<td>Invalid QNAME.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>----</td>
<td>-------------</td>
</tr>
<tr>
<td>121</td>
<td>Bad record in free list.</td>
</tr>
<tr>
<td>122</td>
<td>Invalid data set name in control record.</td>
</tr>
<tr>
<td>124</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>128</td>
<td>IOAPARM load failed.</td>
</tr>
<tr>
<td>132</td>
<td>Add failed. Record too long.</td>
</tr>
<tr>
<td>136</td>
<td>I/O error.</td>
</tr>
<tr>
<td>144</td>
<td>EXCP init error.</td>
</tr>
<tr>
<td>146</td>
<td>For future use.</td>
</tr>
<tr>
<td>148</td>
<td>Invalid data set name or DD name is too long.</td>
</tr>
<tr>
<td>150</td>
<td>Locate failed.</td>
</tr>
<tr>
<td>152</td>
<td>SVC 99 allocate failed.</td>
</tr>
<tr>
<td>154</td>
<td>SVC 99 unallocate failed.</td>
</tr>
<tr>
<td>156</td>
<td>Dual database not up to date - aborting.</td>
</tr>
<tr>
<td>158</td>
<td>For future use.</td>
</tr>
<tr>
<td>160</td>
<td>Link of IOADBF failed.</td>
</tr>
<tr>
<td>164</td>
<td>A dynamic allocation error occurred (for example, out of space condition, security problems). See dynamic allocation error messages in job log.</td>
</tr>
<tr>
<td>166</td>
<td>Control record cannot be updated because it is not enqueued.</td>
</tr>
<tr>
<td>168</td>
<td>Update failed. Record too long. No room in block.</td>
</tr>
<tr>
<td>170</td>
<td>IOADBSB# load failed.</td>
</tr>
<tr>
<td>172</td>
<td>READQ failed. Another block is already enqueued.</td>
</tr>
<tr>
<td>174</td>
<td>Function OPEN0 (exclusively) failed.</td>
</tr>
<tr>
<td>176</td>
<td>Function UPDATE0 failed. Data corrupted.</td>
</tr>
<tr>
<td>178</td>
<td>Function UPDATE0 failed. No appropriate enq.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>180</td>
<td>Buffering not initialized. Internal error.</td>
</tr>
<tr>
<td>182</td>
<td>ENQ error.</td>
</tr>
<tr>
<td>184</td>
<td>Error during record compression / decompression.</td>
</tr>
<tr>
<td>186</td>
<td>Attempted to write the wrong extent of a multi-extent data set.</td>
</tr>
<tr>
<td>190</td>
<td>Attempt to write record to file opened for READ only.</td>
</tr>
<tr>
<td>204</td>
<td>Record not found.</td>
</tr>
<tr>
<td>208</td>
<td>Error accessing the file.</td>
</tr>
<tr>
<td>212</td>
<td>Insufficient memory for internal buffers.</td>
</tr>
<tr>
<td>216</td>
<td>Internal error.</td>
</tr>
<tr>
<td>218</td>
<td>The structure of the index tree is corrupted. A key on a higher level of the tree does not match the last key on a lower level.</td>
</tr>
<tr>
<td>219</td>
<td>The structure of the index tree is corrupted. The indicated key value, or a higher value, was not found in the block.</td>
</tr>
<tr>
<td>220</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>224</td>
<td>Invalid timestamp</td>
</tr>
<tr>
<td>284</td>
<td>Invalid chain of index elements - rebuild index and rerun process.</td>
</tr>
</tbody>
</table>

The system action depends on which component was accessing the user file. Usually, the current routine terminates. Additional messages clarifying the source of the error are written to the IOA Log file before this message.

**Corrective Action:** Do the following:

1. For return codes 200 and higher,
   - rebuild the index component
   - rerun the process
2. For all other return codes,
   - search the IOA Log file and the relevant job log for messages clarifying the source of the error
   - correct the error
   - rerun the job.
3. If the error persists, contact BMC Software Customer Support.
CTD909S REFRESH OF PERMANENT USER FILE FROM THE ACTIVE USER FILE ENDED WITH ERRORS

Explanation: An error occurred during the execution of the CTDCA2P utility.
Corrective Action: An earlier message describes the error.

CTD90AE FIELD SHOULD BE BLANK FOR GENERIC=Q

Explanation: A value has been typed in either the JOBID or the DSN field in the Report Decollating Mission screen (Screen R.S) or the Active Mission Zoom screen (Screen A.Z). If GENERIC is set to Q, these fields must be left blank.

For more information, see the Control-D and Control-V User Guide.
Corrective Action: Correct the contents of the fields.

CTD90BE "ON on_stmt" IS NOT VALID FOR GENERIC=x

Explanation: The value that has been set in an ON statement is invalid for the current setting of the GENERIC parameter.
- If GENERIC is set to Q, the only valid value for ON is MQ.
- If GENERIC is set to Y or N or is left blank, all values are valid for ON except MQ.

For more information, see the Control-D and Control-V User Guide.
Corrective Action: Correct the contents of the fields.

CTD90CE INVALID OPTION (TRY "U", "L" OR BLANK)

Explanation: An invalid option has been specified in the CS field in the Report Decollating Mission screen (Screen R.S) or the Active Mission Zoom screen (Screen A.Z). The cursor points to the invalid value.
The valid options are:
- U - upper case
- L or ' ' (Blank) - lower case

For more information, see the Control-D and Control-V User Guide.
Corrective Action: Correct the contents of the field, by typing U or L, or by leaving the field blank.

CTD90DE VARIABLE NAME TOO { LONG | SHORT }. LENGTH SHOULD BE 8 CHARACTERS

Explanation: A name has been specified for a variable that is either too long or too short. The variable name must consist of exactly 8 characters.

For more information, see the Control-D and Control-V User Guide.
Corrective Action: Correct the length of the variable name to 8 characters.

CTD90EE VALUE IS MORE THAN /lim

Explanation: The value specified exceeds the maximum permitted.
In this message, \( \text{lim} \) is the maximum permitted value.

Possible causes are:

- An invalid value was specified for the LINE or COL parameter in one of the following statements:
  - WHEN
  - DO USER
  - DO NAME
  - DO INDEX
  - MASK
  - SUBINDX

Valid values for the LINE parameter are any 5-digit number from 00001 through 39999.
Valid values for the COL parameter are any 5-digit number from 00001 through 32767.

For more information on these parameters, see the Control-D and Control-V User Guide.

- An invalid index value was specified in the COL parameter in a DO INDEX or SUBINDEX statement when the value in the COL field began with a + or - sign. Valid values in this case are any 5-digit number from 00001 through 00050.

The system waits for the values to be corrected.

**Corrective Action:** Correct the value in the LINE or COL field.

**CTD90FE LENGTH OF VALUE IS MORE THAN 200**

**Explanation:** On setting values for the DO SET parameter, when setting a value for the list of node tag names (\( Xpath \)), too many characters were used.

Valid values for \( Xpath \) are from 4 through 200 characters (case sensitive) in length. For more information, see the DO SET parameter in the Control-D and Control-V User Guide.

**Corrective Action:** Correct the value of \( Xpath \).

**CTD90GE INVALID NAME OF VARIABLE**

**Explanation:** An invalid variable name has been specified in the DO SET %% field in the decollation mission definition.

Valid names for variables are from 1 through 8 alphanumeric characters, but cannot be the same as any system variable. For more information, see DO SET in the Control-D and Control-V User Guide.

**Corrective Action:** Insert a valid variable name.

**CTD910E INVALID CONTROL-D ACCESS METHOD PARAMETER - \( parm \)**

**Explanation:** This is one of two messages with the same ID, but different text.

The \( parm \) Compressed Dataset Access Method (CDAM) parameter is invalid. For a list of valid CDAM parameters, see the Control-D and Control-V User Guide.

In the following example of an invalid parameter, BLOCKS should have been specified instead of BLOCS:
The CDAM data set is not created.

**Corrective Action:** Correct the invalid CDAM parameter, and rerun the job.

**CTD910E INVALID CONTROL- R ACCESS METHOD PARAMETER - parm**

**Explanation:** This is one of two messages with the same ID, but different text.

The access method parameter is invalid. An internal error occurred during Control-M/Restart SYSDATA archiving.

Control-M terminates processing.

**Corrective Action:** Contact BMC Software Customer Support.

**CTD911E INVALID VALUE OF CONTROL-D ACCESS METHOD PARAMETER parmValue**

**Explanation:** This is one of two messages with the same ID, but different text.

The value of the Compressed Dataset Access Method (CDAM) parameter is not valid. For a list of valid parameter values, see the Control-D and Control-V User Guide.

In the following example of an invalid parameter value, KKK must be a numeric value:

```
//PRINT DD SUBSYS=(CDAM,'BLOCKS=KKK')
```

The CDAM data set is not created.

**Corrective Action:** Correct the invalid CDAM parameter value, and rerun the job.

**CTD911E INVALID VALUE OF CONTROL-R ACCESS METHOD PARAMETER parmValue**

**Explanation:** This is one of two messages with the same ID, but different text.

The Control-M/Restart access method parameter value is not valid. An internal error occurred during Control-M/Restart SYSDATA archiving.

Control-M stops processing.

**Corrective Action:** Contact BMC Software Customer Support for assistance.

**CTD912S ERROR IN CONTROL-x INSTALLATION PARAMETERS - INVALID DAYTIME**

**Explanation:** The format of the DAYTIME Control-\text{-}x Installation parameter is invalid. DAYTIME is the start time of the work day in your installation. Valid formats are +hhmm or -hhmm.

For more details, see the section that describes installation parameters in the chapter for the appropriate products in the \textit{INCONTROL for z/OS Installation Guide}.

The requested function terminates.

**Corrective Action:** Call your system programmer to correct the DAYTIME parameter in the CT \text{-}x:PARM member.
CTD913S OPEN OF DDNAME "SYSPRINT" FAILED

**Explanation:** The opening of a print file failed.

Possible causes are:

- The DD statement SYSPRINT is missing.
- The data set described by the DD statement SYSPRINT cannot be accessed for sequential write.

The program stops executing.

**Corrective Action:** Correct the JCL and submit again.

CTD914E COMPRESSED DATASET ACCESS METHOD SUBSYSTEM name DOES NOT EXIST

**Explanation:** The Compressed Dataset Access Method (CDAM) was not defined as a subsystem. For information on how to define CDAM as a subsystem, see the Control-D operational parameters and CDAM installation instructions in the Control-D chapter of the *INCONTROL for z/OS Installation Guide*.

The CDAM data set is not created.

**Corrective Action:** Do the following:

1. Define CDAM as a subsystem.
2. Initialize CDAM, using the IOASINIT started task procedure.
3. Rerun the job.

CTD914S ERROR OPENING SYSPRINT

**Explanation:** This is one of two messages with the same ID, but different text.

An error occurred while opening the SYSPRINT DD statement. The DD statement is probably missing.

The IOADIG utility terminates with a return code of 8.

**Corrective Action:** Notify your INCONTROL administrator.

CTD914S ERROR IN CONTROL-D INSTALLATION PARAMETERS - INVALID DATETYP

**Explanation:** This is one of two messages with the same ID, but different text.

Highlighted, unrollable message.

The DATETYP IOA Installation Parameter is invalid. DATETYP is the type of date format used in the installation. Valid formats are:

- A - *mmddyy*
- W - *ddmmyy*
- J - *yymmdd*

For more details, see the section that describes how to set IOA installation parameters in the IOA chapter of the *INCONTROL for z/OS Installation Guide*. 

399
The requested function stops.

**Corrective Action:** Call your system programmer to correct the DATETYP parameter in the IOAPARM member.

**CTD915E COMPRESSED DATASET ACCESS METHOD SUBSYSTEM name IS NOT ACTIVE**

**Explanation:** The Compressed Dataset Access Method (CDAM) subsystem is not active. To initialize the CDAM, see the section on installation of the CDAM in the Control-D chapter of the *INCONTROL for z/OS Installation Guide.*

The CDAM data set is not created.

**Corrective Action:** Do the following:

1. If necessary, modify SYS1.PARMLIB as specified in the guide so that Control-D is initialized properly after IPL.
2. Run the IOASINIT started task to initialize CDAM immediately.
3. Rerun the job.

**CTD915S NO PARAMETERS PASSED**

**Explanation:** No parameters were passed to the IOADIG utility.

The utility terminates with a return code of 24.

**Corrective Action:** Notify your INCONTROL administrator.

**CTD916W PROGRAM pgm WAITING FOR resourceName**

**Explanation:** One of the IOA monitor internal programs detected an IOA resource in use by a TSO user or batch job. This message normally appears a few times a day.

The variables in this message are:

- **pgm** - the name of the internal program that is waiting for the resource that is in use
- **rname** - the name of the resource that is in use

**Valid values are:**

<table>
<thead>
<tr>
<th>rname</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNDF</td>
<td>The IOA Conditions file</td>
</tr>
<tr>
<td>RESF</td>
<td>The Control-M Resources file</td>
</tr>
<tr>
<td>LOG</td>
<td>The IOA Log file</td>
</tr>
<tr>
<td>Control-M</td>
<td>The Control-M New Day procedure</td>
</tr>
<tr>
<td>JES_SSRQ</td>
<td>A JES subsystem request</td>
</tr>
</tbody>
</table>
The message is displayed on the operator console.

**Corrective Action:** The user response depends on the circumstances, as follows:

- If the message appears many times every few seconds, the file may be hung. This situation must be resolved by determining which program is holding the specified `rname`. Look for the IOA QNAME that is specified in the IOA Installation Parameter and take appropriate corrective action.

- If the program name `pgm` is CTMFrm and the `rname` is CONTROLM, some possible reasons are:
  - there are several Control-M monitors running with the same QNAME
  - there is a user daily job running that has a date control record in which columns 60 through 65 are not blank, meaning that it is acting as the Control-M New Day procedure and therefore Control-M has been enqueued
  - the Control-M New Day procedure was started externally (manually) rather than being started by the monitor, and as a result waits for the monitor to be suspended

Take appropriate corrective action.

If the program name `pgm` is CTMJES and the `resourceName` is JES_SSRQ, then Control-M (in its postprocessing phase) has called the JES2 interface using IEFSSREQ (a JES2 subsystem request) and is waiting for some function to be executed by JES2, but the execution of that function is being delayed in JES2. If the message persists in this situation, prepare the Control-M monitor full output and contact BMC Customer Support.

**CTD918S INSUFFICIENT MEMORY TO RUN CONTROL-x**

**Explanation:** *Highlighted, unrollable message.*

More memory is required for the INCONTROL monitor.

The specified monitor will shut down.

**Corrective Action:** Increase the REGION size of the specified monitor.

**CTD919E ERROR IN CDAM PROCESSING - LOADING OF MODULE loadModName FAILED**

**Explanation:** CDAM failed to load the `loadModName` module, which is required for processing a CDAM data set.

CDAM data set fails to open.

**Corrective Action:** Check that the load modules with a VERID suffix that appear in IOAPARM are in a LINKLIST load library. If this is not the cause of the problem, supply BMC Software Customer Support with the IOA log file and this message.
CTD920E CDAM OPEN PROCESS FAILED

**Explanation:** CDAM failed to open a CDAM data set. This message is preceded by messages which provide the reason for the failure.

One of the following actions occurs:

- If this message is issued during the decollation process, the decollating mission terminates NOT OK and message REP256E is issued.
- If this message is issued when an open report request is issued, the CDAM does not exist.

**Corrective Action:** Using the information from the preceding messages, correct the cause of the problem, and rerun a problematic application job, or Control-D monitor according to the one that was involved in the failure.

CTD921E DDNAME = ddName - OUTPUT LIMIT WAS REACHED

**Explanation:** The maximum number of records allowed in a CDAM data set was reached. The maximum number of records that can be written by an application program to a CDAM data set can be specified by either the OUTLIM parameter in the CDAM subsystem parameters of a program, or by applying optional Wish WD0699.

The application program abends with the code S722.

**Corrective Action:** Check the application program for an error that causes so many records to be written to one CDAM data set. If this is not the problem, increase the maximum number of records that can be written to a CDAM data set.

To do this only for a specific application program, specify the OUTLIM parameter in the CDAM subsystem parameters of the program. To perform this for all application programs, apply optional Wish WD0699.

CTD922E DDNAME=ddName, DYNAMIC ALLOCATION ERROR, RC =rc, REASON CODE=rsn

**Explanation:** An error occurred during the attempted dynamic allocation of a CDAM data set, and the allocation failed.

The variables in this message are:

- *ddName* - the name of the CDAM data set
- *rc* - the return code
- *rsn* - the reason code

For more information on the return code and reason code, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

The CDAM data set is not created.

**Corrective Action:** Do the following:

1. Try to correct the error, using the information provided by the return code and reason code.
2. If you cannot solve the problem, note the values of *ddName*, *rc*, and *rsn*, and contact BMC Software Customer Support.
**CTD922S DYNAMIC ALLOCATION ERROR, RC=rc, REASON CODE=rsn**

**Explanation:** In Control-D during an attempt to allocate a CDAM data set, or in Control-M/Restart during an attempt to allocate an archived SYSDATA data set, an error occurred.

In Control-D, an error caused dynamic allocation of the CDAM data set to fail. If rc is 04A8, this message indicates that the IOA subsystem does not support CDAM.

In Control-M/Restart, Possible causes are:
- When the Control-M monitor tried to archive the SYSDATA of the job (while processing it).
- When the Control-M monitor tried to read an archived SYSDATA output of a job, while trying to analyze job execution results.
- When the CONTROLR step tried to scan the archived SYSDATA output of the previous run or runs of the job.

In Control-D, the CDAM data set is not created.

In Control-M/Restart, after either of the first two causes, Control-M shuts down with an error message. After the third cause, the CONTROLR step stops with a non-zero condition code or with an abend code, depending on the ABENDTYP Control-M/Restart Installation Parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** In Control-D, if rc is 04A8, run the IOASINIT procedure with OPTIONS set to D.

In all other cases, for more information, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*. If you cannot solve the problem, contact BMC Software Customer Support and provide the DD name, RC, and reason code.

**CTD924E ENCRYPTION/DECRYPTION PROCESS FAILED FOR dsn RC= rc RSN= rsn**

**Explanation:** Either the CDAM encryption process or the CDAM decryption process failed for the dsn CDAM data set being processed.

**Corrective Action:** Supply BMC Software Customer Support with the full output of the job or monitor STC.

**CTD925E ERROR READING DATASET: dsn**

**Explanation:** The data set being processed is not a CDAM data set. CDAM recognizes a CDAM data set by its control information block that appears at its beginning. In this case, either the control information block is missing, or it is not in the correct format.

During decollation, the decollating mission finishes NOT OK and the REP256E message is issued. During printing, the problematic report is marked NOT PRINTED, and the corresponding printing mission finishes NOT OK.

**Corrective Action:** Supply BMC Software Customer Support with the problematic data set.
CTD926E LOCATE FAILED FOR DATASET: dsn

**Explanation:** In Control-D, a CDAM data set was not found in the catalog. In Control-D, this message usually indicates that the physical data set was deleted from the disk, but there are still references to it in the Active User Report List.

In Control-M/Restart, the CONTROLR step could not find the specified archived SYSDATA output of the previous run or runs of the job.

In Control-D, the CDAM data set cannot be accessed.

In Control-M/Restart, the CONTROLR step terminates with a nonzero condition code or with an abend code (depending on the ABENDTYP Control-M/Restart Installation Parameter in CTRPARM). The job terminates after the CONTROLR step.

**Corrective Action:** In Control-D, try to find the cause of the inconsistency and fix it. In Control-M/Restart, try to determine why the archived MSGCLASS output of the previous runs was deleted.

CTD929W DDNAME=ddName, MIXING TYPES OF CONTROL-CHARS (ASA+MACHINE). USE ALLOCOPT=ONEDSN TO DECOLLATE

**Explanation:** A report with both ASA and Machine Control characters was produced by an application job. This kind of report can be processed by Control-D correctly only if it is written directly to a CDAM file.

**Corrective Action:** To print the report correctly, specify ALLOCOPT=ONEDSN in the PRINT/CDAM PARMS of the corresponding decollating mission.

CTD92CS INVALID PARAMETER, VALID PARAMETERS ARE ACT=R/W, TYPE=F/V

**Explanation:** An invalid parameter was passed to the IOADIG utility.

Valid values for the ACT parameter are:

- R - Perform a read-only check. Do not correct detected errors.
- W - If an error is detected, correct it.

Valid values for the TYPE parameter are:

- F - Fixed length records in data file.
- V - Variable length records in data file.

The utility terminates with a return code of 24.

**Corrective Action:** Rerun the IOADIG utility after setting its parameters to valid values.

CTD930I DELETE OF UNNEEDED REPORTS STARTED

**Explanation:** This information message is the normal start message of the CTDDELRP utility. CTDDELRP is used to clean unnecessary entries from the Active User Report List file, and to erase the compressed sysout data sets that belong to them from the disk.

**Corrective Action:** No action is required.
CTD931I DELETE OF UNNEEDED REPORTS ENDED OK

Explanation: This information message is the normal end message of the CTDDELRP utility. CTDDELRP is used to clean unnecessary entries from the Active User Report List file, and to erase the compressed sysout data sets that belong to them from the disk.

Corrective Action: No action is required.

CTD932I REPORT ENTRY ADDED

Explanation: This information message is the normal message of the “I” (insert) option on the User Report List screen when a new user report entry has been added.

Corrective Action: No action is required.

CTD933E PLEASE ENTER VALID DATA FOR THIS FIELD

Explanation: Displayed after the “I” (insert) option on the User Report List screen was requested.

Corrective Action: Enter the appropriate data for this field.

CTD933S DELETE OF UNNEEDED REPORTS ENDED WITH ERRORS

Explanation: The CTDDELRP utility ended with errors. Earlier messages describe the problem. The CTDDELRP utility ends with a return code of 08.

Corrective Action: Check the earlier messages, correct the problem, and rerun the job.

CTD934E COP# MUST BE 3 DIGITS (001-255)

Explanation: This is one of two messages with the same ID, but different text.

An invalid value was entered in the User Report List PRINT window COP# screen field.

This field is numeric, and all its three digits must be entered. The value of this field must be from 001 through 255. The maximum number of copies allowed for this report is specified in the Report Decollating Mission Definition screen. The number of copies cannot be greater than the maximum number of copies on the Report Decollating Mission Definition screen.

Corrective Action: Correct the number of copies.

CTD934E INSUFFICIENT STORAGE. ATTEMPT TO RERUN

Explanation: This is one of two messages with the same ID, but different text.

There is insufficient storage to run the CTDDELRP utility.

Corrective Action: Increase the REGION size of the utility and rerun.

CTD935E CANNOT VIEW/CHANGE ADDITIONAL USERS ON AN INSERTED LINE

Explanation: The A (ADDITIONAL INFO) option was entered with the cursor on an inserted line. The ADDITIONAL INFO option must be entered from a non-inserted line.
**Corrective Action:** Move the cursor up to the last non-inserted line in the User Report List entry, and reissue the A option.

**CTD936E** THIS ENTRY CANNOT BE VIEWED

**Explanation:** There was an attempt to view an entry that was not associated with a CDAM file.

**Corrective Action:** No action is required.

**CTD937E** INVALID PARAMETER: - parm

**Explanation:** Invalid parameter for the CTDDELRP Control-D utility. This error message is issued by the CTDDELRP Control-D utility, which cleans unnecessary entries from the Active User Report List file. For more details, see the section on the CTDDELRP utility in the INCONTROL for z/OS Utilities Guide.

The CTDDELRP Control-D utility terminates with a condition code of 08. The Active User Report List file is not cleaned.

**Corrective Action:** Correct the parameter syntax in the CTDDELRP utility.

**CTD938E** ONLY "Y" "N" OR " " ARE ALLOWED IN THIS FIELD

**Explanation:** This is one of two messages with the same ID, but different text.

The user entered an invalid value. Y, N, or blank are the only values valid in this field.

**Corrective Action:** Correct the value entered.

**CTD938E** MISSING PARAMETER AFTER: - parm

**Explanation:** This is one of two messages with the same ID, but different text.

The subparameter after parm is missing. This error message is issued by the CTDDELRP Control-D utility, which cleans unnecessary entries from the Active User Report List file. For details, see the CTDDELRP utility in the INCONTROL for z/OS Utilities Guide.

The CTDDELRP Control-D utility terminates with condition code of 08. The Active User Report List file is not cleaned.

**Corrective Action:** Correct the parameter syntax in the CTDDELRP utility.

**CTD939E** OPTION/COMMAND INVALID FOR THIS TYPE OF USER/REPORT ENTRY

**Explanation:** This is one of two messages with the same ID, but different text.

An invalid option or command was entered in the User Report List screen. The list of allowed options or commands in the User Report List is shown at the bottom of the screen. Only one of these options or commands can be entered on this screen.

**Note:**

If $SYSDATA records are listed, not all displayed options are available.

**Corrective Action:** Enter a valid option or command.
CTD939E REDUNDANT PARAMETER: - parm

Explanation: This is one of two messages with the same ID, but different text.
There is a redundant parameter for the CTDDELRP Control-D utility. The CTDDELRP Control-D utility, which deletes unnecessary entries from the Active User Report List file, issues this message. For details, see the CTDDELRP utility in INCONTROL for z/OS Utilities Guide.

The CTDDELRP Control-D utility terminates with a condition code of 08. The Active User Report List file is not cleaned.

Corrective Action: Correct the parameter syntax in the CTDDELRP utility.

CTD93AE ONLY 'I' 'E' 'A' OR 'S' ARE ALLOWED FOR PRINT MISSION TYPE

Explanation: The user entered an invalid value. Only I, E, A, or S are valid values for this field.

Corrective Action: Enter the correct value.

CTD93DS THERE ARE REPORTS REQUESTED FOR MIGRATION. CONTROL-V SHOULD BE INSTALLED

Explanation: The CTDDELRP utility discovered that although in the Active User Reports file there are reports requested for migration, no Control-V environment is installed. CTDDELRP is terminated.

Corrective Action: Install a Control-V environment.

CTD940E OPTION INVALID FOR A "WAIT " DECOLLATION REPORT

Explanation: An invalid option was entered in the User Report List screen for an entry which is in WAIT DECOLLATION status. There are some options which are not valid for an entry that is in WAIT DECOLLATION status. For example, an entry in WAIT DECOLLATION status cannot be viewed or printed.

Corrective Action: Enter a valid option.

CTD941I REPORT DELETED: jobName /usr /name

Explanation: This information message indicates that the requested deletion was completed. It is the normal message of the D (delete) option of the User Report List screen.

Corrective Action: No action is required.

CTD942E "E" AND "P" OPTIONS ARE VALID ONLY ON ENTRIES WITH REPORTS

Explanation: An invalid option was entered in the User Report List screen. The EDIT (E) and PRINT (P) options can be specified only for entries that have already been decollated.

Corrective Action: Enter a valid option.

CTD943E ONLY "W" OR " " ARE ALLOWED IN THIS FIELD

Explanation: An invalid value was entered in the User Report List W field. This field must have a value of W, or be blank. If W is specified in this field, then the DEST or WTR field is the name of an external writer on which the report should be printed.
For more information, see the section on User Reports and Reports List in the Control-D and Control-V User Guide.

Corrective Action: Correct the W field.

CTD944E RULER TYPE CAN BE "VIEW" OR "PRINT"

Explanation: Invalid ruler type was defined in the Exit Option Window. Ruler type must be VIEW or PRINT.

Corrective Action: Specify a valid ruler type.

CTD944S IMMEDIATE PRINT FAILED, INVALID DESTINATION

Explanation: An invalid destination was entered on the User Report List PRINT window. This field must be blank, or contain a valid remote printer JES destination.

The report is not printed.

Corrective Action: Correct the DEST (destination) field.

CTD945E IMMEDIATE PRINT CANCELLED, NUMBER OF ALLOWED PAGES EXCEEDED

Explanation: Control-D security exit (CTDX004) determined that the number of pages to be printed exceeds the maximum allowable for immediate printing.

This security check prevents printing of large numbers of pages to remote printers. In the case of the main printer, it forces the use of Printing Mission, because of performance considerations. The function RECI PRT in Control-D exit CTDX004 can be modified by the installation to restrict the number of pages that can be printed immediately.

The report is not printed.

Corrective Action: Modify the FROM PAGE/TO PAGE numbers to print a smaller section of the report.

CTD946E SPECIFIED RULER DOES NOT EXIST

Explanation: An attempt was made to copy a nonexistent ruler. There is no ruler with corresponding ruler name, job name, report name, and user name.

Copy is performed.

Corrective Action: Specify valid ruler parameters.

CTD946S SYSOUT ALLOCATION FAILED, RC=rc, ERROR=error

Explanation: Internal error. Control-D was unable to dynamically allocate a sysout file in order to print a report immediately.

The report is not printed.

Corrective Action: See the IBM manual MVS Programming: Authorized Assembler Services Guide.

CTD947E INTERNAL ERROR WHILE READING A RULER

Explanation: An error occurred during ruler file format conversion.
INCONTROL for z/OS Messages Manual

Requested operation is not performed

**Corrective Action:** See your Control-D administrator for assistance.

**CTD947I REPORT PRINTED OK - FROM fileName FILE: jobName / userName / reportName**

**Explanation:** This information message indicates that the immediate printing of the report was successful.

The specified report is printed.

**Corrective Action:** No action is required.

**CTD948E PLEASE FILL IN RULER NAME**

**Explanation:** A ruler name was not specified in the Exit Option Window of ruler definition screen. A ruler name must be specified.

**Corrective Action:** Specify a ruler name.

**CTD949E THE SAMPLE PAGE IS TOO SMALL TO SHOW THIS RULER. RULER CLEARED**

**Explanation:** The current ruler cannot be applied to the current page because the ruler definition contains references to lines that are not on the page.

The current page is shown without the ruler formatting.

**Corrective Action:** No action is required.

**CTD94AE ERROR WHILE READING CDAM**

**Explanation:** An I/O error was encountered during processing of an Immediate Print request. If the report is a migrated report, a more detailed message can be produced by viewing the report.

One of the following errors was encountered by the CTDTUSR program during processing of an Immediate Print request:

- A CDAM file or extent associated with the report being printed does not exist or is not cataloged.
- A CDAM file was restored to a DASD device with a different track size than the DASD device on which the CDAM file was created.

The report is not printed.

**Corrective Action:** Be sure all CDAM files exist on appropriate DASD devices. Retry the Immediate Print request. Try viewing the report to see if an error is also encountered during view.

**CTD94BE INTERNAL ERROR IN CTDDPR. RC=rc**

**Explanation:** An internal error occurred while processing an Immediate Print request.
In this message, \texttt{rc} is the return code. Valid values are:

<table>
<thead>
<tr>
<th>\textbf{rc}</th>
<th>\textbf{Explanation}</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>An internal error occurred while processing an Immediate Print request. This return code is issued when printing to an EMAIL type of CTDS destination, if no e-mail addresses can be resolved from the CTDS destination RECIPIENT attribute.</td>
</tr>
</tbody>
</table>
| 48          | The problem occurred during printing a binary report. It can be caused by one of the following:  
  \begin{itemize}  
  \item Resources required for printing AFP or XEROX normalized report are unavailable.  
  \item Printed report has incorrect internal structure.  
  \end{itemize} |
| 52          | The error occurred during the GETINX function of the CTVDPC program. |
| 56          | The error occurred during the WRTINX function of the CTVDPC program. |
| 60          | The error occurred during the GETINX function of the CTVDPC program when data sets are uncataloged. |
| 64          | An allocation error of the index file occurred during the GETINX function of the CTVDPC program. |

The report is not printed.

**Corrective Action:** Check the IOA Log file and job log for additional messages associated with the error. Correct the problem and re-execute the program. If the error persists, contact BMC Software Customer Support.

**CTD94CE MISSING OUTPUT STATEMENT \texttt{stmtName}**

**Explanation:** An output statement is missing in the IOA Online environment. The report could not be printed because the output statement specified for the report is missing from the IOA Online environment.

The report is not printed.

**Corrective Action:** Add the output statement to the IOA Online environment. Then, log on again and/or restart the IOA Online monitor.

**CTD94DE ERROR IN READING PAGEDEF/FORMDEF MEMBER**

**Explanation:** An error was encountered while trying to read a PAGEDEF or FORMDEF value. Either the PAGEDEF or the FORMDEF specified does not exist in the libraries defined for Control-D or Control-V.

The report is not printed.

**Corrective Action:** Add the missing PAGEDEF and/or FORMDEF member to the relevant library.

**CTD94EE ABEND IN IMMEDIATE PRINT \texttt{sysabend usrabend}**

**Explanation:** The Immediate Print request abended.
The variables in this message are:

- `sysabend` - System abend code
- `usrabend` - User abend code

The print request terminates.

**Corrective Action:** Check the system log for other error messages associated with this problem and proceed accordingly.

For abend code S000 U0186: Restart the online session prior to retrying the print request.

**CTD94GE REQUESTED TCP/IP STACK UNAVAILABLE**

**Explanation:** ISTACK parameter was specified in IOAPARM member and the system has TCP/IP dual stack mode, but the specified stack is not running.

The message is preceded by a full screen message that contains the stack name.

**Corrective Action:** Either bring up the started task named 'stack', or remove the ISTACK parameter from IOAPARM and restart the online session.

**CTD950E THIS FIELD MUST BE NUMERIC AND GREATER THAN ZERO**

**Explanation:** An invalid value was entered in this User Report List field. This field must be numeric and greater than zero. Leading zeroes must be supplied.

**Corrective Action:** Correct the field.

**CTD951E INVALID OPTION (TRY "Y" OR "N")**

**Explanation:** The user entered an invalid value. Y or N are the only values valid in this field.

**Corrective Action:** Correct the value entered.

**CTD952E ENTRY DELETED - DSN dsn NOT FOUND**

**Explanation:** Compressed data set `dsn` was not found after deleting a report entry from the User Report List file. The report (SYSDATA) entry was deleted from the User Report List file. However, the attempt to delete all the associated compressed data sets for this report entry was not successful.

**Corrective Action:** Notify the INCONTROL administrator. Additional messages may be found on the system log.

**CTD953E FROM DATE GREATER THAN TO DATE**

**Explanation:** The FROM date entered on the User Reports Entry Panel is greater than the TO date. You can specify that only record entries within a date range are to be displayed for the Active and History User Report List file using the DATEFROM and TO screen fields.

**Corrective Action:** Correct the DATEFROM or TO date fields.

**CTD954I REPORT SET FOR RESTORE: jobName / userName / reportName**

**Explanation:** This information message indicates that a backed up (migrated) report has been assigned to the restore mission for restoration.
Corrective Action: No action is required.

CTD955E FUNCTION NOT SUPPORTED ON THIS SCREEN

Explanation: An invalid function was entered on the User Report List screen. Not all functions are supported on all User Report List screens. For example, the View (V) function can be used on the Active User Report List file, but not on the Permanent and History files.

Corrective Action: Enter a different function.

CTD956E CANNOT MIX RESTORE/WAIT-RESTORE/WAIT- BACKUP RETRIEVAL OPTIONS

Explanation: More than one of the Definition options (Permanent, Active, or History) on the User Report List Entry Panel was specified with Y.

Corrective Action: Leave the Y next to one of the three Definition options, but specify the other two as N.

CTD958E COP# MUST BE 3 DIGITS (000-255) OR "DFT" (FOR DEFAULT)

Explanation: An invalid value was entered in the User Report List COP# screen field.

Valid values are:

- a 3-digit number from 000 through 255
- The maximum number of copies allowed for this report is specified in the Report Decollating Mission Definition screen. The number of copies on the User Report List screen cannot be greater than the maximum number of copies on the Report Decollating Mission Definition screen.

- DFT - the default number of copies

The number of copies is taken from the PRT COPIES field of the Report Decollating Mission Definition screen. Note that the COP# field will be changed from DFT to the default numeric value after decollation.

Corrective Action: Correct the number of copies.

CTD959S ENTRY DELETED, BUT ALLOC ERROR err OCCURRED ON COMPRESSED DSN

Explanation: An allocation error occurred on a compressed data set after deleting a report entry from the User Report List file. The report (SYSDATA) entry was deleted from the User Report List file. However, the attempt to delete all the associated compressed data sets for this file was not successful.

Corrective Action: Notify the INCONTROL administrator. Additional messages will appear on the system log.

CTD95AE HEX INOPERABLE FOR FULL PAGE MODE RULERS

Explanation: The attempt to view the report in hexadecimal format using a full page mode ruler failed. The HEX command is not supported when viewing reports using a full page mode ruler.

The attempt fails.

Corrective Action: View the report without a full page mode ruler.
**CTD95BI**  
jobname/recipient/report ID=recordId SET TO RESTORE WITH MISSION misName

**Explanation:** This information message indicates that backed up (migrated) report is assigned to the **misName** mission for restoration.

The variables in this message are:
- **jobname** - the name of the job that created the report
- **recipient** - the user for whom the report was created
- **report** - the name of the report
- **recordId** - the internal database identifier of the report
- **misName** - the name of the mission

**Corrective Action:** No action is required.

**CTD95CE** THIS FIELD IS NOT RELEVANT FOR RECIPIENT $SYSDATA

**Explanation:** The field cannot be used as a selection criterion for recipient $SYSDATA defined on the User Reports Entry Panel. The cursor points to the invalid field.

**Corrective Action:** Check that recipient $SYSDATA was entered improperly or clear the field.

**CTD960E** INSUFFICIENT STORAGE TO BUILD REPORTS LIST - USE ANOTHER SELECTION CRITERIA

**Explanation:** There is insufficient memory to build the User Report List. There is insufficient memory to build a list using the selection criteria on the User Reports Entry Panel.

**Corrective Action:** Do one of the following:
- Change the selection criteria so that the User Report List to be built is shorter. For instance, select only a specified job name instead of selecting all jobs.
- If you are using many IOA screens concurrently, exit some of them using the END command.
- Increase region size, or reduce the maximum number of sessions allowed simultaneously under an online monitor, or take both these steps.

**CTD961E** INSUFFICIENT STORAGE TO BUILD REPORTS LIST - USE ANOTHER SELECTION CRITERIA

**Explanation:** There is insufficient memory to build the User Report List. The user entered selection criteria on the User Reports Entry Panel. However, there is insufficient memory to build a list using these selection criteria.

**Corrective Action:** Do one of the following:
- Change the selection criteria so that the User Report List to be built is shorter. For instance, select only a specified job name instead of selecting all jobs.
- If you are using many IOA screens concurrently, exit some of them using the END command.
- Increase region size and/or reduce the maximum number of sessions allowed simultaneously under an online monitor.

**CTD962E INTERNAL PROGRAM ERROR - CTDCLS - INVALID PARM**

**Explanation:** Internal error in the CTDCLS module.
The user will be unable to see any entries on the User Report List file.

**Corrective Action:** Call BMC Software Customer Support.

**CTD963E FOR "U" OPTION YOU MUST CHANGE AN EDITABLE FIELD OF THE ENTRY**

**Explanation:** The U (update) option was selected, but no change was made to an editable field. After U (update) is selected, Control-D expects a change to be made to editable fields such as DEST, COP#, or ADDITIONAL USERS.

**Corrective Action:** Update the appropriate field or fields.

**CTD964I REPORT MODIFIED: jobName/user /name**

**Explanation:** This information message indicates that an entry in the User Report List screen was updated.

**Corrective Action:** No action is required.

**CTD965E ONLY ONE "I" OPTION CAN BE ACTIVE AT A TIME**

**Explanation:** Multiple insert ("I" functions) were entered on the User Report List screen. Only one record can be inserted at one time into the Report List file.

**Corrective Action:** Make sure that only one insert function is present on the screen.

**CTD967E ENTER A VALID VTAM DESTINATION, OR CHANGE "W" TO BLANK**

**Explanation:** There is a W in the User Report List W field, indicating that a VTAM destination must be entered in the DEST or WTR field. If the W option is specified in the User Report List W field, then the name of an external writer on which the report should be printed must be specified in the DEST or WTR field.

For more information, see the section on User Reports or Reports List in the *Control-D and Control-V User Guide*.

**Corrective Action:** Enter a VTAM destination in the DEST or WTR field, or blank out the W field.
CTD968E SEVERE ERROR WHILE READING A RULER

**Explanation:** When reading the ruler from the Control-D database, a read error occurred. When reading the ruler from the Control-D database, a VSAM read I/O error occurred.

The ruler is set to OFF. In addition, the CTD908S message is issued.

**Corrective Action:** For additional information about the VSAM I/O error, see the CTD908S message.

CTD969E CANNOT PERFORM AN INSERT ON AN INSERTED LINE

**Explanation:** User tried to insert perform an additional insert on an inserted line. Insert on an already inserted line is not supported.

**Corrective Action:** Insert the additional line in a different line.

CTD970I PLEASE FILL IN THE REPORT ENTRY DATA

**Explanation:** This information message indicates that mandatory report data was not entered.

**Corrective Action:** Fill in the report entry data.

CTD971I REPORT IS BEING RESTORED

**Explanation:** This information message indicates that a report is being restored by a process called from Control-D user exit CTDX004. This process is used for restoring reports created by CA-DISPATCH, CA-View and INFOPACK and converted to Control-D.

**Corrective Action:** No action is required.

CTD971S OPEN OF CONTROL-D ACTIVE MISSIONS FILE FAILED

**Explanation:** The CTDFRAMS Control-D utility, which is used to allocate and format the Active Missions file, failed to open the file for formatting.

Possible causes are:
- The DAAMF DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

CTD972E ERROR DURING PROCESSING RESTORE REQUEST

**Explanation:** An error occurred when a restore job was submitted by a process called from the CTDX004 Control-D user exit. This process is used for restoring reports created by CA-DISPATCH, CA-View and INFOPACK and converted to Control-D.

The report is not restored.

**Corrective Action:** Determine why the job could not be submitted. Correct the problem and rerun the restore request.
CTD972I BUILDING OF CONTROL-D ACTIVE MISSIONS FILE STARTED

Explanation: This information message indicates that the CTDFRAMS utility, which allocates and formats the Active Missions file, has started.
Corrective Action: No action is required.

CTD973I BUILDING OF CONTROL-D ACTIVE MISSIONS FILE ENDED

Explanation: This information message indicates that the CTDFRAMS utility, which allocates and formats the Active Missions file, has ended normally.
Corrective Action: No action is required.

CTD974S CONTROL-D ACTIVE MISSIONS FILE WAS NOT BUILT.

Explanation: The CTDFRAMS utility failed.
Corrective Action: Look for additional clarification messages on the IOA Log.

CTD975E PLEASE SPECIFY A VALID RULER NAME, OR "ON"/"OFF"

Explanation: Ruler name is not specified, and ruler command ON is specified.
Corrective Action: Enter a ruler name, or set the ruler to OFF.

CTD975S CONTROL-D ACTIVE MISSIONS FILE WRITE ERROR

Explanation: I/O error while formatting Control-D Active Missions file.
This error may occur when there is incompatibility between the definition of the Active Missions file in the Installation Parameters (CTDPARM) and the JCL SPACE or DCB parameters.
The utility stops executing with a condition code of 08.
Corrective Action: Correct either the JCL or the Installation Parameters.

CTD976E INTERNAL ERROR WHILE READING A RULER

Explanation: An internal error occurred during reading of a ruler.
No ruler is in effect.
Corrective Action: Ask your INCONTROL administrator to call BMC Software Customer Support for assistance.

CTD977I REPORT SET FOR DEFERRED PRINT: jobName / userName / reportName

Explanation: This information message indicates that the deferred print has been successfully requested and that the report will be printed by the specified Printing Mission.
Corrective Action: No action is required.
CTD978E "FROM PAGE" NUMBER CANNOT BE GREATER THAN "TO PAGE" NUMBER

**Explanation:** An invalid FROM PAGE definition was entered. The FROM PAGE number that was specified is greater than the TO PAGE number.

**Corrective Action:** Correct the FROM PAGE/TO PAGE values.

CTD979E RESTORE IN PROCESS, OR CANNOT RESTORE THIS TYPE OF ENTRY

**Explanation:** This entry on the History User Report List file cannot be restored.

The attempt to restore a SYSDATA entry or reissue a restore request that is already in REQUESTED RESTORE state fails.

**Corrective Action:** Restore another entry on the file.

CTD97AI PLEASE CONFIRM: ‘R’-RETRY/’S’-SCRATCH TAPE/’C’-CANCEL

**Explanation:** During a migration job, the operator rejected a system request to mount a specific tape. For example, the operator typed CANCEL on receiving an IEF238D message, or NO on receiving an IEF455D message.

The migration job waits for a reply to this message.

**Corrective Action:** Type one of the following replies, which have the meaning shown in parentheses:

- R (Try again to mount the same tape.)
- S (Try to mount a scratch tape instead of the specific tape.)
- C (Cancel the migration job.)

CTD97BI INVALID REPLY TO CTD97AI.

**Explanation:** The system issued the CTD97AI message, but the reply typed by the operator was invalid. The CTD97AI message is reissued.

**Corrective Action:** Type a valid reply to the CTD97AI message.

Valid replies, which have the meaning shown in parentheses, are:

- R (Try again to mount the same tape.)
- S (Try to mount a scratch tape instead of the specific tape.)
- C (Cancel the migration job.)

CTD980S **monName** LOAD OF CONTROL-D SPECIAL ROUTINES FAILED

**Explanation:** Highlighted, unrollable message.

Initialization of the Printers Control monitor **monName** failed because of missing modules.

The Control-D Printers Control monitor and the Control-D monitor will shut down.
Corrective Action: Determine who deleted the missing load modules and why. Restore these modules from a backup tape of the IOA Load library, and bring up the Control-D monitor.

CTD981S proc RECIPIENT TREE WAS NOT LOADED BECAUSE OF ERROR - CONTROL-D PRINTERS Control-MONITOR IS TERMINATING

Explanation: Highlighted, unrollable message.
The Recipient Tree was not loaded because of an error.
The Control-D Printers Control monitor and the Control-D monitor will shut down.
Corrective Action: Look at the IOA Log and the computer log for additional error messages. These additional messages pinpoint the specific problem encountered while loading the Recipient Tree.

CTD982I monName CONTROL-D PRINTERS MONITOR IS WAITING FOR ONE OR MORE PRINT SUBTASKS TO TERMINATE

Explanation: This information message indicates that a shutdown process command was issued from the Control-D monitor, but the Control-D Printers Control monitor is still printing.
The Printing Mission that is still printing can be found in the Active Missions Status screen.
If the Printers Control monitor is still printing when a shutdown request is issued, it continues to print.
The Control-D monitor does not shut down until printing is finished.
Corrective Action: If you allow the Printing Mission to finish printing, no action is required.
To shut down the Control-D monitor immediately, change the status of the active Printing Mission in the Active Missions Status screen (AMS) to HOLD. Free it after the Control-D monitor has restarted.

CTD983E monName CONTROL-D PRINTERS MONITOR IS TERMINATING EVEN THOUGH ONE OR MORE PRINT SUBTASKS HAS NOT TERMINATED.

Explanation: Highlighted, unrollable message.
The Control-D monitor is shutting down the monName Control-D Printers Control monitor.
The Control-D monitor issued a command to shut down the monName Printers Control monitor. The Printers Control monitor was not shut down because one or more print subtasks were awaiting completion. Under certain circumstances, the Control-D monitor forces shutdown of the Printers Control monitor after a default site-specific length of time.
The monName Control-D Printers Control monitor shuts down.
Corrective Action: No action is required.

CTD98AI PRINT MISSION POSTPONED. MAX NUMBER OF SUBTASKS IS REACHED IN THE CURRENT MONITOR

Explanation: This information message indicates that the current print mission cannot be processed because the print monitor is already processing the maximum number of missions as defined in optional Wish WD2618.
The print mission is delayed until one of the missions being processed terminates.
**Corrective Action:** If this message appears frequently, it is recommended to increase the maximum number of print missions the print monitor can process concurrently.

**CTD98BI** PRINT MISSION CONTINUES PROCESSING

**Explanation:** This information message indicates that the print monitor resumed processing a mission that was postponed (see the CTD98AI message)

**Corrective Action:** No action is required.

**CTD990I** PRINTING MISSION missionName STARTED PRINTING

**Explanation:** This information message indicates that the Control-D Printers Control monitor started printing for the missionName.

**Corrective Action:** No action is required.

**CTD991I** PRINTING MISSION missionName FINISHED PRINTING

**Explanation:** This information message indicates that the Control-D Printers Control monitor completed the missionName printing mission successfully.

**Corrective Action:** No action is required.

**CTD993E** ERROR IN CTDCIO FUNCTION func RC rc - PRINTING STOPPED

**Explanation:** An internal error occurred in the CTDCIO internal module. The error occurred within the Control-D Printers Control monitor.

The printing for this mission will stop. The status of this Printing Mission is changed to NOTOK.

**Corrective Action:** Contact BMC Software Customer Support. Please provide the values of FUNCTION and RC.

**CTD994E** ERROR IN CTDRSV FUNCTION func RC rc - PRINTING STOPPED

**Explanation:** Internal error.

An internal error occurred in the CTDRSV internal module. The error occurred within the Control-D Printers Control monitor.

The printing for this mission will stop. The status of this Printing Mission is changed to NOTOK.

**Corrective Action:** Contact BMC Software Customer Support. Please provide the values of FUNCTION and RC.

**CTD995E** ERROR IN CTDALC RC rc S99RC s99rc FUNCTION func - PRINTING STOPPED

**Explanation:** Internal error. The allocation of the PLAN file failed.

An internal error occurred in the CTDALC internal module. The error occurred within the Control-D Printers Control monitor.

The printing for this mission will stop. The status of this Printing Mission is changed to NOTOK.
Corrective Action: Contact BMC Software Customer Support. Please provide the values of \texttt{rc}, \texttt{s99rc}, and \texttt{func}.

CTD997E ERROR IN UPDATE OF PRINTED USERS, STATUS OF USER REPORTS MAY BE INVALID

Explanation: Internal error.

After printing a bundle, Control-D updates the status of all printed user reports in the Active User Report List file from \texttt{WAIT PRINT} to \texttt{PRINTED}. This message is produced if an error occurs in this update process.

The status of this Printing Mission is changed to \texttt{NOTOK}. All the reports are printed, but the entries in the Active Report List file have not been updated. This could result in duplicate printing.

Corrective Action: Look for VSAM related messages on the system log or on the syslog of the Control-D monitor. Contact BMC Software Customer Support.

CTD998E ALLOC FAILED FOR \texttt{fileName} - FILE WAS NOT FOUND

Explanation: Internal error.

The Control-D Printers Control monitor was unable to dynamically allocate the \texttt{fileName} file.

The status of this Printing Mission is changed to \texttt{NOTOK}.

Corrective Action: Contact BMC Software Customer Support. Please provide the value of \texttt{file}.

CTD9A3I BUILDING OF CONTROL-D ACTIVE TRANSFER FILE STARTED

Explanation: This information message indicates that the CTDBAT program, which is used for formatting the Active Transfer file, has started.

Corrective Action: No action is required.

CTD9A4I BUILDING OF CONTROL-D ACTIVE TRANSFER FILE ENDED

Explanation: This information message indicates that the CTDBAT program, which is used for formatting the Active Transfer file, has ended normally.

Corrective Action: No action is required.

CTD9A5S CONTROL-D ACTIVE TRANSFER FILE WAS NOT BUILT

Explanation: An error occurred during formatting of the Active Transfer file (the CTDBAT program). Formatting is terminated.

Corrective Action: Check the system log for a previous message regarding the error. Correct the problem, and reformat the file.

CTD9A6S OPEN OF CONTROL-D ACTIVE TRANSFER FILE FAILED

Explanation: The probable cause is a missing DAATF DD statement.

Formatting is terminated.
**Corrective Action:** Check and correct DD statement DAATF.

**CTD9A7S CONTROL-D ACTIVE TRANSFER FILE WRITE ERROR**

**Explanation:** Format routine received I/O error accessing ATF file. An I/O error was encountered by the CTDBAT program when accessing the Active Transfer file.

Possible causes are:
- A hardware failure may have occurred.
- Active Transfer file specification contains invalid parameters.

Formatting is terminated.

**Corrective Action:** Do one of the following:
- After the hardware problem has been resolved, reformat the file.
- Check and correct the DCB parameters specified in the DAATF DD statement; reformat the file.

**CTD9A9S NUMBER OF RECORDS IN ACTIVE TRANSFER FILE IS LESS THAN 3**

**Explanation:** The CTDBAT program determines the number of records for the Active Transfer file from the ATFBLK Installation Parameter in CTDPARM. This value cannot be less than three.

Formatting is terminated.

**Corrective Action:** Correct CTDPARM; reformat the Active Transfer file.

**CTD9B1S RELEASE OF ATF FILE NOT SUPPORTED BY THIS RELEASE OF CONTROL-D**

**Explanation:** The release defined in the Active Transfer file is not the same as the release defined in the Control-D Load library.

Control-D checks that the release number defined in the Active Transfer file is the same release number that is defined in the Control-D Load library. An error occurs when trying to allocate an Active Transfer file that belongs to a different Control-D release, for example, a test or production release.

The requested function is not performed.

**Corrective Action:** Backup the Active Transfer file and reformat it. You can do this using ICE, as follows:
1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 6, Format the A.T.F File.

**CTD9B2S OPEN OF CONTROL-D ATF FILE FAILED**

**Explanation:** An attempt by Control-D to open the Active Transfer file failed. The DAATF DD statement for the Active Transfer file is missing in the logon or Print monitor procedure.
Requested function is not performed.

**Corrective Action:** Check the DAATF DD statement in the Control-D and logon procedures.

CTD9B3S CONTROL-D ATF FILE IS FULL

**Explanation:** An overflow was detected in the Active Transfer file. The Active Transfer file is full and requires enlargement or compression.

Requested function is not performed.

**Corrective Action:** Compress or enlarge the Active Transfer file using the CTDCATF utility. For more information, see the *INCONTROL for z/OS Utilities Guide*.

CTD9B7S FILE ALLOCATED TO DDNAME "DAATF" IS NOT YOUR CONTROL-D ATF

**Explanation:** The QNAME defined in the Active Transfer file is not the same as the QNAME defined in CTDPARM. Either a file from another Control-D installation was accessed, or there was an error in the current installation.

Requested function is not performed.

**Corrective Action:** Check CTDPARM. If the QNAME was changed after installation procedures were performed, specify the original QNAME and rerun CTDPARM. If two different Control-D installations are running concurrently, then make sure that the files do not mix between the two different monitors.

CTD9B8S FILE ALLOCATED TO DDNAME "DAATF" IS NOT A CONTROL-D ATF

**Explanation:** The Active Transfer file does not have a valid identification. The Active Transfer file must contain the characters ATF in the first block (offset 18).

Requested function is not performed.

**Corrective Action:** Backup the Active Transfer file and reformat it. You can do this using ICE, as follows:

1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 6, Format the A.T.F File.

CTD9B9S CONTROL-D ATF FILE IS FORMATTING/CTDBAT PROBABLY ABENDED

**Explanation:** A compression or formatting of the Active Transfer file was started, but did not end successfully. The Active Transfer file contains an indicator that the format or compression processing was incomplete.

Requested function is not performed.

**Corrective Action:** Backup the Active Transfer file and reformat it. You can do this using ICE, as follows:
1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 6, Format the A.T.F File.

CTD9C0I CTDUPBKP UTILITY STARTED

**Explanation:** This information message indicates that the CTDUPBKP utility has started.

**Corrective Action:** No action is required.

CTD9C1I CTDUPBKP UTILITY COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTDUPBKP utility has completed without errors.

**Corrective Action:** No action is required.

CTD9C2S CTDUPBKP UTILITY ENDED WITH ERRORS

**Explanation:** This information message indicates that the CTDUPBKP utility has ended with errors.

**Corrective Action:** Check all the messages issued by the CTDUPBKP utility and proceed accordingly.

CTD9C3I FILE=ACT WAS SPECIFIED. ACTIVE USER FILE WILL BE PROCESSED

**Explanation:** This information message indicates that FILE was set to ACT in the input parameters of the CTDUPBKP utility, and as a result the Active User file is processed.

**Corrective Action:** No action is required.

CTD9C4I FILE=HST WAS SPECIFIED. HISTORY USER FILE WILL BE PROCESSED

**Explanation:** This information message indicates that FILE was set to HST in the input parameters of the CTDUPBKP utility and, as a result, the History User file is processed.

**Corrective Action:** No action is required.

CTD9C5I FILE=MIG WAS SPECIFIED. MIGRATION USER FILE WILL BE PROCESSED

**Explanation:** This information message indicates that FILE was set to MIG in the input parameters of the CTDUPBKP utility and, as a result, the Migration User file is processed.

**Corrective Action:** No action is required.

CTD9C6E NO FILE PARAMETER WAS SPECIFIED

**Explanation:** The FILE parameter was not specified in the input parameters of the CTDUPBKP utility.
The FILE parameter is mandatory.
The CTDUPBKP utility terminates

**Corrective Action:** Specify the FILE parameter and rerun the utility.

CTD9C7E NO $SYSDATA RECORDS FOUND IN THE {ACTIVE | HISTORY | MIGRATION} USER FILE

**Explanation:** The CTDUPBKP utility did not find any $SYSDATA records in the specified user file to update.
The CTDUPBKP utility terminates.
**Corrective Action:** Check the input FILE parameter of the utility for the correct user file and rerun the utility.

CTD9C8E SELECT CARD WAS NOT SPECIFIED

**Explanation:** A SELECT statement was omitted from the CTDUPBKP utility input parameters.
The CTDUPBKP utility terminates.

**Corrective Action:** Add a SELECT statement to the CTDUPBKP utility input statements and rerun the utility. For more information, see the *INCONTROL for z/OS Utilities Guide*.

CTD9C9I *input_parm* WAS SPECIFIED

**Explanation:** This information message displays the input parameter that the user specified for the CTDUPBKP utility.

**Corrective Action:** No action is required.

CTD9CAI NO VOLSER WAS FOUND FOR THE {ACTIVE | PERMANENT | HISTORY} USER FILE

**Explanation:** This information message indicates that a detailed report ordered by the user was not produced because the $SYSDATA record of the identified user file was not found.

**Corrective Action:** No action is required.

CTD9CCE ERROR IN CONTROL-STATEMENT

**Explanation:** An error was found in the input control statement specified by the user for the CTDUPBKP utility.
The input control statement is displayed in message UBK9CBI which precedes this message.
The CTDUPBKP utility terminates.

**Corrective Action:** Correct the input control statement and rerun the utility.

For a description of the input parameters of the CTDUPBKP utility, see the description of the utility in the *INCONTROL for z/OS Utilities Guide*. 

424
CTD9CDW THERE IS NO CONTROL-RECORD FOR BKPMIS backupMissionName

**Explanation:** The CTDUPBK utility could not find the Backup Control record for the backup mission of the current $SYSDATA record.

When FILE is set to HST in the input parameters of the CTDUPBK utility, the utility attempts to read the backup control record for the backup mission of the current $SYSDATA record. In this case, the backup control record could not be found in the History file.

The CTDUPBK utility continues with processes that do not require the backup control record.

**Corrective Action:** To create a backup control record, in the input parameters of the CTDUPBK utility specify the backup mission name in the BKPMIS parameter, and the number of backup generations to retain in the GENER parameter. Rerun the CTDUPBK utility.

For further details, see the CTDUPBK utility in the *INCONTROL for z/OS Utilities Guide*.

CTD9CEE RETPD CANNOT BE CHANGED

**Explanation:** The RETPD parameter was specified as an input parameter for the CTDUPBK utility, but the generation number found in the Backup Control record was not 0.

When activating the CTDUPBK utility, the user specified the RETPD parameter without setting GENER to NONE. The backup mission in question was previously run using the NUMBER OF DAYS TO KEEP method. Once a mission has been run using NUMBER OF DAYS TO KEEP method, it cannot be run using the RETPD method.

The CTDUPBK utility continues with other processes.

**Corrective Action:** Either change the method in the parameters to NUMBER OF DAYS TO KEEP then rerun the utility, or define a new backup mission defined with the RETPD parameter.

CTD9CFE INVALID RETURN CODE FROM SORT. RC=rc

**Explanation:** The SORT utility called by the CTDUPBK utility ended with errors.

For information on the return code (rc), see the section on return codes in the SORT utility documentation in the *INCONTROL for z/OS Utilities Guide*.

The CTDUPBK utility terminates.

**Corrective Action:** Correct the cause accordingly and rerun the CTDUPBK utility.

CTD9F01 CONTROL-RECORD FOR BKPMIS backupMissionName HAS BEEN CREATED

**Explanation:** This information message indicates that a backup control record was recreated for the backupMissionName backup mission.

A backup control record is recreated when the FILE parameter is set to HST for the backup mission, and when the original backup control record is missing.

**Corrective Action:** No action is required.
INCONTROL for z/OS Messages Manual

Messages CTDA00 through CTDAxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDA00E YOU ARE UNAUTHORIZED TO SAVE THIS RULER

**Explanation:** You are not authorized to save the current ruler. Control-D security exit CTDX004, routine RULSAVE, determined that you cannot save rulers.

The ruler is not saved.

**Corrective Action:** If you think you should be able to save rulers, contact your INCONTROL administrator.

CTDA01E CTDX004: ERROR IN CTMMEM RC=rc READING SKELETON

**Explanation:** The RESTORE skeleton that is used for restoring reports converted to Control-D from other products (CA-View, CA Dispatch, and so on) cannot be read from the SKL library.

The restore request ends NOT OK.

**Corrective Action:** Proceed according to the CTMMEM return code displayed in the message. CTMMEM return codes are described in the DOCIMEM member in the IOA DOC library. After correcting the action, request RESTORE of the problematic report.

CTDA02E MISSING SMF DATA SELECTION CRITERIA

**Explanation:** The DASYSIN file for the CTDSMFRP utility contains a blank statement. The DASYSIN file should contain selection criteria statements for the SMF report.

The CTDSMFRP utility terminates with a return code of 08.

**Corrective Action:** Provide correct selection criteria statements.

CTDA03E NO SMF RECORDS MET THE SELECTION CRITERIA

**Explanation:** This is one of two messages with the same ID, but different text.

There are no Control-D SMF records to match the selection criteria for the SMF report (the CTDSMFRP utility), or no selection criteria were specified when running the CTDSMFRP utility, or SMF was not set to YES in CTDPARM.

The CTDSMFRP utility terminates with a return code of 04.

**Corrective Action:** No action is required.

CTDA03E CTDX004: ERROR IN GETMAIN FOR SKELETON

**Explanation:** This is one of two messages with the same ID, but different text.

There is insufficient memory to read the RESTORE skeleton that is used for restoring reports converted to Control-D from other products (for example, CA-View, CA Dispatch).

The current restore request ends NOT OK.

**Corrective Action:** Increase the REGION size of the online environment.
CTDA04E  CTDX004: UNABLE TO DYNAMICALLY ALLOCATE INTRDR  rc

**Explanation:** Dynamic allocation of the internal reader (INTRDR) by a Control-D command failed during an attempt to submit a restore job for reports converted to Control-D from other products (such as, CA-View, CA Dispatch).

In this message, `rc` is the return code of the failed dynamic allocation.

The restore job is not submitted. The current restore request ends NOT OK.

**Corrective Action:** Refer to the IBM manual that deals with information returned from an SVC 99. Take appropriate action based on the return code displayed in the message.

CTDA05E  CTDX004: ERROR IN GETMAIN FOR SYSDATA RECORD

**Explanation:** There is insufficient memory for the SYSDATA record that is needed to restore reports converted to Control-D from other products (for example, CA-View, CA Dispatch).

The current restore request ends NOT OK.

**Corrective Action:** Increase the REGION size of the Online environment.

CTDA11S  OPEN OF SCRATCH LIST FAILED. DDNAME "DASCRLST"

**Explanation:** Open of scratch list file issued by the CTDDERLP utility in the DASCRLST DD statement failed.

Possible causes are:

- The DASCRLST DD statement is missing.
- The data set described by the DASCRLST DD statement cannot be opened for sequential processing.

The CTDDERLP utility ends with errors.

**Corrective Action:** Check the JCL for the job; correct and rerun the utility.

CTDA12I  DELETE OF UNNEEDED DATASETS STARTED

**Explanation:** This information message indicates that the CTDDCD program of the CTDDERLP utility, which deletes unneeded CDAM data sets, has started.

**Corrective Action:** No action is required.

CTDA13I  SCRATCH LIST IS EMPTY

**Explanation:** This information message indicates that the CDAM scratch list is empty. This message is issued by the CTDDCD program of the CTDDERLP utility, which is used to delete unneeded compressed sysout data sets.

**Corrective Action:** No action is required.

CTDA141  DELETE OF UNNEEDED DATASETS ENDED OK

**Explanation:** Normal termination message of the CTDDCD program (of the CTDDERLP utility) which is used to delete unneeded compressed sysout data sets.

**Corrective Action:** No action is required.
CTDA15E DELETE OF UNNEEDED DATASETS ENDED WITH ERRORS

Explanation: The CTDDCD program (used in the CTDDELRP utility and in the New Day procedure), which is used to delete unneeded data sets, ended with errors. The CTDDCD program continues processing and completes with a condition code of 04.

Corrective Action: Refer to previous messages and the CTDA18E message.

CTDA16I DATASET dsn DELETED

Explanation: This information message is issued by the CTDDCD program of the CTDDELRP utility to indicate that the dsn compressed sysout data set was deleted successfully.

Corrective Action: No action is required.

CTDA17E DATASET dsn COULD NOT BE DELETED DUE TO:

Explanation: Warning message from the CTDDCD program (of the CTDDELRP utility) indicating that the dsn compressed sysout data set could not be deleted. The reason for the failure is described in the CTDA18E message.

Corrective Action: No action is required.

CTDA18E rsn FUNC=func, RC=rc, STATUS=statusCode

Explanation: This warning from the CTDDCD program indicates that a data set could not be deleted and displays the reason for the message, the related system function, the return code, and the status code. The header for this message is provided by the CTDA17E message.

Possible values for rsn are:
- DATASET IS IN USE
- DATASET NOT IN CATALOG
- DATASET NOT ON VOLUME
- RACF PREVENTED THE SCRATCH
- GENERAL SCRATCH ERROR
- GENERAL UNCATALOG ERROR

The CTDDELRP utility or the New Day procedure continues processing and completes with a condition code of 04.

Corrective Action: Perform the action described below as appropriate for the reason in the message.
DATASET IS IN USE - If the data set was in use by an online user, ignore the warning. The data set remains on the scratch list and is deleted during the next run of the CTDDELRP utility.

DATASET NOT IN CATALOG or DATASET NOT ON VOLUME - Someone may have removed the specified CDAM data set manually (for example, ISPF 3.2). Investigate the cause and ensure that the files are deleted with standard Control-D procedures. Edit the scratch list file and remove the relevant DSNs. This is necessary because the scratch list accumulates the DSNs that could not be deleted and they will cause the same error the next time it runs.

RACF PREVENTED THE SCRATCH - The job was not authorized to delete the file. Correct the security authorization. The DSN remains on the scratch list and is deleted the next time the CTDDELRP utility runs.

GENERAL SCRATCH ERROR or GENERAL UNCATALOG ERROR - These rare errors indicate a structural problem in the system catalog or VTOC. Contact your systems programmer for assistance.

If you cannot solve the problem, refer to the IBM manual "System Programming Library: Data Management" for an explanation of reason and status codes. See the LOCATE, SCRATCH, or UNCATALOG section, depending upon the function displayed in the message:

- LOCATE - retrieving catalog information by data set name
- SCRATCH - deleting a data set
- UNCATALOG - uncataloging a data set

CTDA19S OPEN OF SCRATCH REJECTS FAILED. DDNAME "DASCRREJ"

Explanation: CTDDCD issues this message to report that open of scratch rejects file failed (the DASCRREJ DD statement).

Possible causes are:
- The DASCRREJ DD statement is missing.
- The data set described by the DASCRREJ DD statement does not exist.

The CTDDELRP utility or the New Day procedure ends with errors.

Corrective Action: Correct the JCL, and rerun the job.

CTDA21S OPEN OF INPUT FILE FAILED. DDNAME "DAIN"

Explanation: There may be a missing DAIN DD statement in the JCL job. The CTDCTRL program terminates.

Corrective Action: Add a DAIN DD statement to the job.

CTDA22S OPEN OF OUTPUT FILE FAILED. DDNAME "DAOUT"

Explanation: There may be a missing DAOUT DD statement in the JCL job. The CTDCTRL program terminates.

Corrective Action: Add a DAOUT DD statement to the job.
**CTDA23I** FILE CONVERSION STARTED

**Explanation:** This information message indicates that the CTDCRL program started processing.

**Corrective Action:** No action is required.

**CTDA24I** INPUT RECORDS - *num*

**Explanation:** This information message indicates that the CTDCRL program ended and read *num* records.

**Corrective Action:** No action is required.

**CTDA25I** OUTPUT RECORDS - *num*

**Explanation:** This information message indicates that the CTDCRL program ended and wrote *num* records.

**Corrective Action:** No action is required.

**CTDA26I** FILE CONVERSION ENDED

**Explanation:** This information message indicates that the CTDCRL program finished processing.

**Corrective Action:** No action is required.

**CTDA30E** OPEN OF SORT FILE FAILED. DDNAME *ddName*

**Explanation:** The SORT utility invoked by the CTDDELRP utility failed to open the *ddName* DD statement.

The CTDDELRP utility stops.

**Corrective Action:** Ensure all DD statements are valid. Restart the CTDDELRP utility.

**CTDA31E** INVALID RETURN CODE FROM SORT, RC=*rc*

**Explanation:** Internal sort program ended with errors. This message is from the CTDDELRP utility, which cleans unnecessary entries from the Active User Report List file. The utility uses the site sort program internally.

The utility terminates with a condition code of 08.

**Corrective Action:** Refer to the sort messages for the job and to the user guide for the sort facility used at your site.

**CTDA34E** OPEN OF SCRATCH LIST FAILED. DDNAME "DASCRLST"

**Explanation:** The CTDDELRP Control-D utility, which cleans unnecessary entries from the Active User Report List file, failed to open the scratch list file using the DASCRLST DD statement. Possible causes are:

- The DASCRLST DD statement is missing.
- The data set described by the DASCRLST DD statement cannot be opened for a sequential write.

The utility terminates with a condition code of 08.
Corrective Action: Correct the JCL and rerun the job.

CTDA35I WAITING FOR ANOTHER CTDDELRP OR RESTORE JOB TO TERMINATE
Explanation: This information message indicates that the CTDDELRP utility is waiting for another CTDDELRP job or a restore job to terminate. CTDDELRP is cleans unnecessary entries from the Active User Report List file. To maintain data integrity, CTDDELRP cannot run concurrently with another CTDDELRP or a restore job.

When the contending job terminates, CTDDELRP resumes processing.
Corrective Action: No action is required.

CTDA36E OPEN OF "DAWORK" DD CARD FAILED
Explanation: Open of the Active Transition file failed. This file is referenced by the DAWORK DD statement. The DAWORK DD statement is probably missing. This error message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.

CTDDSO terminates with a condition code of 08.
Corrective Action: Check for previous messages indicating the reason for the open failure. Correct the problem, and rerun the CTDDELRP utility.

CTDA37I JOB jobName JOBID jobId IS WAITING FOR MIGRATION BY missionName
Explanation: This information message is produced by the CTDDELRP utility. It indicates the jobName job is ready for migration by the missionName Migration Mission.
The sysout compressed data sets for the jobName job will not be deleted until the Migration Mission runs successfully.
Corrective Action: No action is required.

CTDA38I SYSDATA RECORD IS MISSING FOR INDEX index. JOB jobName JOBID jobId WILL BE DELETED
Explanation: This information message indicates that the CTDDELRP utility, which cleans unnecessary entries from the Active User Report List file, cannot find a SYSDATA record that corresponds to an index record in the Active User Report List file.
The SYSDATA record was probably manually deleted from the Active User Reports List file.
The index record and index file are deleted to maintain database integrity. Processing continues.
Corrective Action: No action is required.

CTDA39E NO INPUT PARAMETERS WERE SUPPLIED
Explanation: The CTDDELRP utility, which is used to clean unnecessary entries from the Active User Report List file, did not receive input parameters from a DADELIN DD statement. The CTDDELRP utility should be supplied with input parameters indicating actions for the utility to perform.
The CTDDSO program terminates with a condition code of 08.

**Corrective Action:** Verify that input parameters are specified by means of the DADELIN DD statement, and rerun the job.

**CTDA3AE OPEN OF "DAXREP" FAILED**

**Explanation:** The CTDDELRP utility, which cleans unnecessary records from the Active User Report List file, failed to open the Print Control Record Scratch file referenced by the DAXREP DD statement. The DAXREP DD statement is probably missing. This error message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.

The CTDDSO program terminates with a condition code of 08.

**Corrective Action:** Correct the error, and rerun the CTDDELRP utility.

**CTDA3BE I/O ERROR WRITING TO XREP DELETE FILE. DDNAME "DAXREP"**

**Explanation:** An I/O error occurred while writing the file referenced by the DAXREP DD statement. This message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.

The CTDDELRP utility terminates.

**Corrective Action:** Run the CTDBLXRP utility to rebuild the Print Control Record. Rerun the CTDDELRP utility.

**CTDA3CE INSUFFICIENT SPACE ALLOCATED TO XREP DELETE FILE. DDNAME "DAXREP"**

**Explanation:** The file referenced by the DAXREP DD statement has insufficient space allocated. This message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.

The CTDDELRP utility continues processing.

**Corrective Action:** To prevent this problem in the future, allocate more space to the file referenced by the DAXREP DD statement. Run the CTDBLXRP utility to rebuild the Print Control Record.

**CTDA3DE "FE" PRINT SUPPORT ERROR. RETURN CODE rc**

**Explanation:** An error was encountered while trying to delete a Print Control Record. This message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.

Possible values of *rc* are:

- 016 - invalid function
- 024 - open error
- 028 - error in sort

The CTDDELRP utility continues processing.

**Corrective Action:** Run the CTDBLXRP utility to rebuild the Print Control Record.
CTDA3EI *** PARM=TEST SPECIFIED - SIMULATION MODE ***

Explanation: This information message indicates that the CTDDELRP utility is running in SIMULATION mode. In SIMULATION mode, the CTDDELRP utility produces a report that indicates which entries would have been deleted and which data sets would have been erased if the utility were running in PRODUCTION mode.

Corrective Action: Examine the output of the CTDDELRP utility to determine if the proper entries would have been deleted from the Active User Report List file and the proper CDAM data sets would have been erased. Make any changes required to prevent the deletion of needed Active User Report List entries or CDAM data sets.

Rerun the utility in PRODUCTION mode to delete unneeded entries in the Active User Report List file and to erase CDAM data sets that no longer have references in that file.

CTDA40E WHEN USING CLASS *, ONE OF THE FOLLOWING THREE FIELDS MUST BE ENTERED

Explanation: If an asterisk (*) was entered in the CLASS field, a value must be inserted in the EXTWTR field, the DEST field, or the FORM field.

Corrective Action: Insert a value in the EXTWTR, DEST, or FORM field.

CTDA41E MIXED GENERIC AND NON-GENERIC CLASSES IS NOT ALLOWED

Explanation: Mixed generic and non-generic classes were specified. When setting GENERIC to Y, only the classes specified in the GENCLAS Installation Parameter are allowed. When setting GENERIC to N, only classes not specified by the GENCLAS Installation Parameter are allowed.

Corrective Action: Correct the CLASS field.

CTDA42E INVALID OPTION (USE "Y", "N", "W", "E" OR BLANK)

Explanation: User entered an invalid value in the CONTID field in the Decollating Mission Definition screen.

Corrective Action: Enter a valid option in the CONTID field.

CTDA43E USER IS NOT FOUND IN THE RECIPIENT TREE

Explanation: A recipient that was defined in a DO USER parameter of the decollating mission does not appear in the Control-D Recipient Tree. This message appears while exiting the Decollating Mission Definition screen, or after using the CHKUSR command.

The Decollating Mission Definition screen is not exited; an error message containing the invalid user name is displayed.

Corrective Action: Correct the invalid user name in the decollating mission definition, or add a new user to the Control-D Recipient Tree.

CTDA44E PLEASE ENTER TEXT OF THE REMARK

Explanation: A value was set for the DO REMARK parameter in the Decollating Mission Definition screen, but no text was entered for the remark.
Corrective Action: Enter text in the DO REMARK parameter field.

CTDA45E ENTER "U", "C", "A", "B", OR BLANK

Explanation: There is an invalid value in the T field on a DO USER line in the Decollating Mission Definition screen.

Valid values are:

- U (Unconditional) - The user receives the report page regardless of whether or not the user's children receive the page.
- C (Conditional) - The user only receives the report page if the user's children do not receive the page. Default.
- A (Accept all users) - The user receives the report page even if the user's name is not in the Recipient Tree.
- B - The user does not need to search for the recipient in the Recipient Tree. This option can be used to improve the performance of the decollation when the site has a large Recipient Tree.
- " " (Blank) - The default (Conditional) is assumed.

Corrective Action: Enter a valid option in the T field.

CTDA46E THIS FEATURE IS NOT SUPPORTED IN YOUR SYSTEM

Explanation: User entered the SYSOUT option in the ON statement line on the Decollating Mission Definition screen, in a JES3 site. DO SYSOUT is supported in JES2 sites only. Your site must be a JES3 site.

Corrective Action: Specify any valid option other than SYSOUT in the ON statement, for example, ON CLASS, ON DSN, and so on.

CTDA47E PLEASE FILL IN RULE NAME

Explanation: DO CTBRULE has been specified without a rule name. If a DO CTBRULE statement is specified, a rule name must be included in the statement.

Corrective Action: Specify the rule name, or delete the DO CTBRULE statement.

CTDA48E FIRST CHARACTER CANNOT BE NUMERIC

Explanation: The first character specified in the rule name in the DO CTBRULE statement is, but should not be, numeric. The rule name must be a member name, and member names cannot begin with a numeric character.

Corrective Action: Correct the specified rule name so that the first character is not numeric.

CTDA49E "COPIES" VALUE EXCEEDS "MAX COPIES" VALUE

Explanation: The value of the MAX COPIES field must be, but is not, greater than or equal to the value of the COPIES field.

Corrective Action: Change the value of either COPIES or MAX COPIES so that MAX COPIES is greater than or equal to COPIES.
CTDA50E SYNONYM=synonym IS NOT ALLOWED WITH USER=*FORCE

**Explanation:** Option A (All) is specified for the SYNONYM parameter for use with the DO USER=*FORCE action. When SYNONYM is set to A, report pages are sent to all users in the Recipient Tree that have the specified synonym. This parameter cannot be specified when the statement DO USER=*FORCE is chosen, because USER=*FORCE causes the Recipient Tree to be searched until the first user with the specified synonym is found.

**Corrective Action:** Change the parameter to F (first), or clear it.

CTDA51E ENTER "F", "A" OR BLANK

**Explanation:** The user specified an invalid SYNONYM parameter.

The valid options for the SYNONYM parameter:

- F (First) or blank - The Recipient Tree is searched until the first user with the specified synonym is found. The report pages are sent to that user only.
- A (All) - The report pages are sent to all users with the specified synonym in the Recipient Tree.

**Corrective Action:** Change the parameter to F, A or blank.

CTDA53E "FE" PRINT SUPPORT ERROR. RETURN CODE /rc

**Explanation:** An executing Restore Mission failed to create or update an internal Printing Mission record in the Active User Report file.

When a record with status WAITING FOR PRINT is restored, the Control-D Decollation monitor writes an internal Printing Mission record to indicate that there are reports waiting to be printed by the Printing Mission specified in the DO PRINT parameter. These records are produced with the following key:


/rc is the return code from the CTDXRPRoutine.

The Restore Mission restores the reports but terminates with NOTOK status. The restored reports will not be selected by any Printing Mission whose name is specified in the DO PRINT Decollation Mission parameter.

**Corrective Action:** These reports can be manually scheduled for Deferred Printing by using the P line command to display the Print Window under Option U and then specifying the Printing Mission name. If the problem persists, report the return code to BMC Software Customer Support.

CTDA54I RSTRESET PROCESSING STARTED

**Explanation:** This information message denotes the normal start of the RSTRESET Control-D utility.

The RSTRESET utility changes the status of all active restore missions to ENDED NOT OK, and changes the status of all reports selected for restoring to BACKED UP.

**Corrective Action:** No action is required.

CTDA55I RSTRESET PROCESSING ENDED

**Explanation:** This information message indicates that the RSTRESET Control-D utility ended normally.

**Corrective Action:** No action is required.
CTDA58S OPEN OF ACTIVE MISSIONS FILE FAILED.

**Explanation:** The CTDRESET utility has failed to open the Active Mission file.
The utility does not reset reports restore processing.

**Corrective Action:** Call your INCONTROL Administrator.

CTDA60E RESTORE MISSION NOT IN LIBRARY `lib`

**Explanation:** The specified Restore Mission name is not defined in the Restore Mission Definition library.
When you request a Restore, a validity check is done for the Restore Mission name. A search is made for the $$PARMS member in the library allocated to the DACMD `xx DD` statement, where `xx` is the application ID. The member contains a RSTLIB parameter, which specifies the name of the Restore Mission Definition library. If the Restore Mission name is not found in this library, this message is issued.

**Corrective Action:** Specify a Restore Mission name which exists in the Restore Mission Definition library. If you are not familiar with the names used in your data center, consult your INCONTROL administrator.

CTDA61E MISSING "RSTLIB=" PARAMETER IN $$PARMS MEMBER (DD DACMD`xx`)`

**Explanation:** Internal error in the Restore Mission validation process.
When you request a Restore, a validity check is done for the Restore Mission name. A search is made for the $$PARMS member in the library allocated to the DACMD `xx DD` *statement*, where `xx` is the application ID. The member contains a RSTLIB parameter, which specifies the name of the Restore Mission Definition library. The parameter was missing from the member.

**Corrective Action:** Consult your INCONTROL administrator who will specify the RSTLIB parameter in the $$PARMS member.

CTDA62S ERROR WHILE PREPARING FORMATS

**Explanation:** Syntax errors were detected in the Display Types definition member. The Display Type definition member was loaded and analyzed and syntax errors were detected. Specific errors were previously displayed with the erroneous source lines.
The User Reports Entry Panel is not displayed.

**Corrective Action:** Correct the Display Types definition errors in the $$FRM member of the PARM library, and try to reenter the User Reports Entry Panel.

CTDA63S INTERNAL ERROR IN CTMTJOB RC=`rc`

**Explanation:** An internal error occurred while attempting to display the error messages that resulted from the syntax check of the Display Type definitions.
The error messages are not displayed.

**Corrective Action:** Ask your INCONTROL administrator to notify BMC Software Customer Support.
CTDA64E DISPLAY TYPE type FOR report-list-type [sysdata] NOT FOUND

Explanation: There was an attempt to display an invalid User Report List display combination. Available Report List display combinations are predefined in the $$FRM member of the PARM library. The exact combination must exist in the member.

For each combination, the following three characteristics are defined:
- ID - Display Type letter (for example, D (Default), U (User), and so on).
- TYPE - Permanent, Active or History Report List.
- CLASS - Usual, Sysdata or Ruler.

The User Report List screen is not displayed.

Corrective Action: Specify a valid (existing) display combination.

CTDA65E INTERNAL ERROR WHILE SETTING HEADER RC=rc

Explanation: An internal error occurred while attempting to place the Display Type’s header in the screen.

The User Report List screen is not displayed.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDA66E USER FIELD MUST EXIST IN FORMAT

Explanation: An INSERT operation was attempted on a User Report List whose current Display Type does not contain the USER field. To insert a new user record in a User Report List, the USER field must be specified.

The new record is not inserted.

Corrective Action: Insert a record when using a Display Type that contains the USER field, or add this field to the definition of the current Display Type.

CTDA67E USER FIELD MUST BE EDITABLE IN FORMAT

Explanation: An INSERT operation was attempted on a User Report List whose current Display Type contains a protected USER field. To insert a new user record in a User Report List, the USER field must be specified.

The new record is not inserted.

Corrective Action: Either insert the record when using a Display Type that contains an unprotected USER field, or define the USER field in the current Display Type as unprotected.

CTDA68E JOBNAME FIELD MUST EXIST IN FORMAT

Explanation: An INSERT operation was attempted on a User Report List whose current Display Type does not contain the JOBNAME field. To insert a new user record in a User Report List, the JOB field must be specified.

The new record is not inserted.
Corrective Action: Either insert a record when using a Display Type that contains the JOB field, or add this field to the definition of the current Display Type.

CTDA69E JOBNAME FIELD MUST BE EDITABLE IN FORMAT

Explanation: An INSERT operation was attempted on a User Report List whose current Display Type contains a protected JOBNAME field. To insert a new user record in a User Report List, the JOB field must be specified.

The new record is not inserted.

Corrective Action: Either insert the record when using a Display Type that contains an unprotected JOB field, or define the JOB field in the current Display Type as unprotected.

CTDA70E "OPT" FIELD MUST EXIST IN FORMAT

Explanation: An attempt was made to specify an option (for example, Insert, Update, and so on) however, the OPTION field is not present in the current Display Type. The OPTION field must be defined in a Display Type in order to specify a required operation or option on a record of the User Report List.

No operations are performed on the User Report List.

Corrective Action: Add the OPTION field to the Display Type.

CTDA71E INTERNAL ERROR - FORMAT DOES NOT EXIST

Explanation: An internal error occurred while attempting to process the User Report List.

The User Report List screen is not processed.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDA72E USER OR JOBNAME CANNOT BE UPDATED

Explanation: The user attempted to update or modify the contents of the USER field, the JOB field, or both. The USER and the JOB fields may not be modified when updating a record.

The record is not updated.

Corrective Action: Try updating the record again without modifying the USER or JOB fields.

CTDA73E INTERNAL ERROR - DATA FIELD TOO SHORT

Explanation: The user modified or updated the contents of a field, but the field length defined in the Display Type definition is shorter than the size of the field in the Control-D database.

A field can be updated in the Control-D database only if its length in the screen is not less then its database length. While this is normally the case, an error might have been made if the Display Type field was defined especially for the site.

The record is not updated.

Corrective Action: Modify the length of the field in the DISPLAY TYPE definition to the recommended length. A list of field lengths can be found in the $$FIELD member in the PARM library.
CTDA74E INTERNAL ERROR UNIDENTIFIED RC - RC=rc

Explanation: An internal error occurred while attempting to insert or update a user record. The record is not inserted or updated.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDA75E INTERNAL ERROR - IN WEDTQRY - RC=rc

Explanation: An internal error occurred while attempting to insert a user record. The record is not inserted.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDA76E AN EDIT FIELD ENDS AFTER SCREEN BOUNDS

Explanation: The contents of a field that do not fit on the physical screen were modified or updated. Display formats with a logical length of 132 columns may be used on a physical screen of 80 columns, but some of the fields are not displayed at all, and some are truncated. An editable field that is truncated may not have its contents modified or updated.

The record is not updated. The cursor is positioned on the problematic field.

Corrective Action: Modify the Display Type definition to allow the entire field to be displayed, or use a physical screen which displays the entire field.

CTDA77E YOU ARE NOT AUTHORIZED TO USE THIS FORMAT

Explanation: This Display Type is not authorized for the current user. The INCONTROL administrator can authorize (or deny) the use of certain Display Types for certain users.

The User Report List screen is not displayed.

Corrective Action: Request a Display Type for which you are authorized, or see your INCONTROL administrator for authorization and access to specified Display Type.

CTDA78E YOU MUST FILL IN THE DISPLAY TYPE FIELD

Explanation: Entry to the User Report List attempted without specifying a Display Type in the User Reports Entry Panel. To view the User Report List, specify a valid Display Type in the DISPLAY TYPE field.

The User Report List is not displayed.

Corrective Action: Specify a valid Display Type.

CTDA79E INVALID NUMBER OF DAYS

Explanation: A date in the FROM DATE or TO DATE field of the User Reports Entry Panel is invalid. The specified date must be a valid date in the format used in your installation. For more information, see the Control-D and Control-V User Guide.

The User Report List is not displayed.

Corrective Action: Correct the date specification and retry.
CTDA80E NUMBER OF DAYS SHOULD BE 365 OR LOWER

Explanation: The relative date in the FROM DATE or TO DATE field of the User Reports Entry Panel is invalid.
For information about valid combinations for this field, see the Control-D and Control-V User Guide.
The User Report List is not displayed.
Corrective Action: Correct the date specification and retry.

CTDA81E COND. CODE COMPARISON SHOULD BE ">C" AND 4 DIGITS, EXAMPLE: >C0004

Explanation: The value in the REMARK or CC field of the User Reports Entry Panel is invalid.
For information about valid combinations for this field, see the Control-D and Control-V User Guide.
The User Report List is not displayed.
Corrective Action: Correct the REMARK or CC specification and retry.

CTDA82E YOU MUST GIVE A ONE LETTER DISPLAY TYPE NAME

Explanation: The Display Type code specified in the DISPLAY command in the User Report List is invalid. The DISPLAY command requires a one letter Display Type parameter. This parameter must indicate an existing Display Type.
The current Display Type is not changed.
Corrective Action: Specify a valid Display Type with the DISPLAY command.

CTDA83E DISPLAY TYPE NAME SHOULD BE ONE LETTER ONLY

Explanation: More than one letter is specified for the Display Type code in the DISPLAY command in the User Report List. The DISPLAY command requires a 1-letter Display Type parameter. This parameter must indicate an existing Display Type.
The current Display Type is not changed.
Corrective Action: Specify a valid, 1-letter Display Type with the DISPLAY command.

CTDA84E DISPLAY TYPE SHOULD HAVE AT LEAST ONE LINE IN SHORT FORMAT

Explanation: The Display Type specified contains only Long format lines. A Display Type cannot have all its lines defined as Long format lines. At least one line must be defined for Short format. Long format lines are used only when Additional Information is requested for a record. Short format lines are always displayed.
For information on customizing IOA display format members, see the INCONTROL for z/OS Administrator Guide.
The User Report List is not displayed.
Corrective Action: Modify the Display Type definition to contain at least one Short format line.
CTDA85E CANNOT CHANGE DISPLAY TYPE WHILE INSERTING

Explanation: There is an attempt to change the Display Type using the DISPLAY command, while a new record is being inserted using the Insert line option. The insert operation must be complete before a Display Type is changed.

The DISPLAY command is not performed.

Corrective Action: Complete the insert operation, and then retry the DISPLAY command.

CTDA86E FIELD SHOULD BE NUMERIC

Explanation: There was an attempt to modify or update the contents of a numeric field with a non-numeric value. The updated field must have a numeric value.

The record is not updated.

Corrective Action: Specify a numeric value in the field before updating the record.

CTDA87E REPORT EMPTY. CHECK INCLUDE/EXCLUDE RULER DEFINITIONS

Explanation: The report for which view is requested contains no report lines. An empty report usually indicates that a ruler was applied to a report, which contained a combination of Include and Exclude criteria that left no lines in the report.

The VIEW option is not performed.

Corrective Action: Check the ruler or rulers for the report. Request that the report be displayed without problematic rulers or without rulers entirely.

CTDA88E ENTRY SHOULD BE IN "WAIT-RESTORE" STATE

Explanation: You cannot un-restore a record that is not scheduled to be restored. Only records in the WAIT-RESTORE state can be un-restored.

The un-restore operation is not performed.

Corrective Action: No action is required.

CTDA89W WARNING: CTDTUSR SHOULD RUN ABOVE THE 16MB LINE - CONTACT SYS-PROG

Explanation: The CTDTUSR User Report List program resides below the 16MB line. The CTDTUSR User Report List program is designed to run above the 16MB line to achieve better resource utilization, especially when running under the Online monitor. For some reason, the program is not taking advantage of this ability.

The system continues as usual.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDA8AI REPORT UNRESTORED: jobname/recipient report ID=recordId

Explanation: This information message indicates that the restore request to the backed up (migrated) report is canceled.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **jobname** - the name of the job that created the report
- **recipient** - the user for whom the report was created
- **report** - the name of the report
- **recordId** - the internal database identifier of the report

**Corrective Action:** No action is required.

CTDA8BE OPERATION NOT AUTHORIZED WHEN IN DEMO MODE

**Explanation:** An unauthorized operation was attempted on a DEMO record. DEMO records are reserved for demonstration and training purposes, and are normally accessed by specifying DEMO in the User Reports Entry Panel. Some operations are not permitted on DEMO records. To protect the integrity of the DEMO records, Update and Delete operations are not permitted on these records.

The unauthorized operation is not performed.

**Corrective Action:** No action is required.

CTDA8CE ENTRY IN "WAIT-RESTORE" CANNOT BE DELETED

**Explanation:** There was an attempt to delete a report entry from the History User Report List file that has a status of WAIT RESTORE. Report entries in WAIT RESTORE state cannot be deleted.

The delete operation is not performed.

**Corrective Action:** User should first use the No Restore option to change the status of the report entry to BACKEDUP, and then perform the delete again.

CTDA8DE UNABLE TO OBTAIN NOTES - RC FROM CTDNPS=rc

**Explanation:** The Control-D Notepad Facility received a nonzero return code from the CTDNPS routine; notes cannot be obtained. The message usually accompanies another error message that defines a specific error according to the return code (rc).

**Corrective Action:** Contact your system programmer for assistance.

CTDA8EE UNABLE TO SHOW NOTES - RC FROM CTDTNTP=rc

**Explanation:** The Control-D Notepad Facility received a nonzero return code from routine CTDTNTP; notes cannot be displayed. The message represents an internal error in the Control-D Notepad Facility. The return code (rc) indicates the error.

**Corrective Action:** Contact BMC Software Customer Support for assistance.

CTDA8FE YOU ARE NOT AUTHORIZED TO WORK WITH TAG NOTES

**Explanation:** The CTDX004 Control-D security exit determined that you are not authorized to read or write tag notes in the displayed report.

**Corrective Action:** If you think you should be able to read or write tag notes, contact your INCONTROL administrator.
CTDA91E INVALID MISSION TYPE. ONLY BKP OR RST ALLOWED

**Explanation:** An invalid mission type was specified.

**Corrective Action:** Correct the mission type and continue.

CTDA92I MEMBER *memName* SAVED

**Explanation:** This information message indicates that the *memName* member has been saved successfully. All missions are stored on members.

**Corrective Action:** No action is required.

CTDA95E VALUE OF CNDREC# PARAMETER IN IOAPARM IS NOT EQUAL TO ACTUAL FILE SIZE

**Explanation:** The CNDREC# parameter in IOAPARM has been changed but the IOA Conditions file has not been rebuilt.

A difference was detected between the length of the IOA Conditions file and the length specified in the IOAPARM member of the PARM library.

This is usually due to using the IOAPARM member (read from the IOA Load library) for the wrong monitor.

The monitor shuts down.

**Corrective Action:** To correct this situation, do one of the following:

- Rebuild the IOA Conditions file, so that its length is as specified in IOAPARM.
- Modify the CNDREC# parameter in IOAPARM so that its length is the length of the existing IOA Conditions file.

After correcting the problem, restart the monitor.

CTDA96W LOAD OF SECURITY MODULE CTDSE01 FAILED. SECURITY CHECKING WILL BE BYPASSED

**Explanation:** The CTDSE01 module was not found and was not linked into the CTDCMI module. To perform security checking during ordering of missions, Control-D calls the CTDSE01 security exit. If your security checking is performed by CTDX001, link a dummy security exit into CTDCMI to prevent this message from being issued.

The mission is ordered.

**Corrective Action:** Check whether or not the security exit should exist.

CTDAA0I DELETE OF UNNEEDED INP RECORDS STARTED

**Explanation:** This information message indicates that the CTDNDAY process started deleting unneeded INP records from the Control-D Active User File.

**Corrective Action:** No action is required.
CTDAA1I DELETE OF UNNEEDED INP RECORDS ENDED OK

**Explanation:** This information message indicates that the CTDNDAY process completed deleting unneeded INP records from the Control-D Active User File.

**Corrective Action:** No action is required.

CTDAA2E DELETE OF UNNEEDED INP RECORDS WITH ERRORS

**Explanation:** This error message indicates that the CTDNDAY process failed to delete the unneeded INP records from the Control-D Active User File. The CTDNDAY process finished executing with a conditional code of 08.

**Corrective Action:** Examine the SYSPRINT and IOA Log File for error messages to clarify the cause of the problem. If possible, fix the problem and rerun CTDNDAY.

CTDAA3I n INP RECORDS WERE DELETED

**Explanation:** This information message indicates the number of INP records deleted from the Active User File during the CTDNDAY run.

**Corrective Action:** No action is required.

CTDAD1E ERROR IN MEMBER AUDTPARM LINE= line_number, BLOCK= block_name, PARAMETER= parameter_name

**Explanation:** This error message is issued during Control-D audit service initialization if an error is detected in the AUDTPARM audit configuration member.

The variables in this message are:

- **line_number** - number of the line in the AUDTPARM member where the error is detected
- **block_name** - name of the block where the error is detected
- **parameter_name** - name of the invalid parameter

The audit service initialization stops, but the component continues to work without Control-D auditing.

**Corrective Action:** Examine the following message that explains the reason for the error. For Control-D auditing to work properly, correct the invalid line in the AUDTPARM member and restart the task.

CTDAD2E INVALID BLOCK NAME

**Explanation:** An invalid block name is detected in the AUDTPARM audit configuration member.

The audit service initialization stops, but the component continues to work without Control-D auditing.

**Corrective Action:** Examine the preceding CTDAD1E message where the invalid block coordinates are specified. For Control-D auditing to work properly, correct the error in the AUDTPARM member and restart the task.

CTDAD3E INVALID PARAMETER NAME

**Explanation:** An invalid parameter name is detected in the AUDTPARM audit configuration member.

The audit service initialization stops, but the component continues to work without Control-D auditing.
Corrective Action: Examine the preceding CTDAD1E message where the invalid parameter coordinates are specified. For Control-D auditing to work properly, correct the error in the AUDTPARM member and restart the task.

CTDAD4E INVALID PARAMETER VALUE value
Explanation: An invalid parameter value is detected in the AUDTPARM audit configuration member. The audit service initialization stops, but the component continues to work without Control-D auditing.
Corrective Action: Examine the preceding CTDAD1E message where the invalid parameter coordinates are specified. For Control-D auditing to work properly, correct the error in the AUDTPARM member and restart the task.

CTDAD5E PARAMETER VALUE LENGTH EXCEEDED
Explanation: A parameter value length in the AUDTPARM audit configuration member exceeds the maximum allowable length for this parameter. The audit service initialization stops, but the component continues to work without Control-D auditing.
Corrective Action: Examine the preceding CTDAD1E message where the invalid parameter coordinates are specified. For Control-D auditing to work properly, correct the error in the AUDTPARM member and restart the task.

CTDAD6E A MANDATORY PARAMETER IS MISSING
Explanation: A mandatory parameter is missing from a block of the AUDTPARM audit configuration member. The audit service initialization stops, but the component continues to work without Control-D auditing.
Corrective Action: Examine the preceding CTDAD1E message where the invalid block coordinates are specified. For Control-D auditing to work properly, correct the error in the AUDTPARM member and restart the task.

CTDAD7E SPECIFIED LEVEL level IS NOT DEFINED IN ANY EVENT BLOCK
Explanation: An EVENT block is not defined in the AUDTPARM audit configuration member for the level specified by the LEVELA parameter of the LEVEL block. The audit service initialization stops, but the component continues to work without Control-D auditing.
Corrective Action: Examine the preceding CTDAD1E message where the invalid block coordinates are specified. For Control-D auditing to work properly, correct the error in the AUDTPARM member and restart the task.

CTDAP01 CTDAPRV UTILITY STARTED
Explanation: This information message indicates that the CTDAPRV utility has started.
Corrective Action: No action is required.
CTDAP1I CTDAPRV UTILITY COMPLETED SUCCESSFULLY

Explanation: This information message indicates that the CTDAPRV utility has completed successfully without errors.

Corrective Action: No action is required.

CTDAP2E CTDAPRV UTILITY ENDED WITH ERRORS

Explanation: This error message indicates that the CTDAPRV utility discovered problems during processing and the utility has stopped running.

Corrective Action: Examine the job log for error messages describing the problem. Make any necessary corrections and rerun the utility.

CTDAP4E INVALID PARAMETER: parm

Explanation: The parm input parameter specified in the JCL for the CTDAPRV utility is not valid and the utility has stopped running.

Corrective Action: Correct the invalid input parameter (parm) in the JCL and rerun the job.

CTDAP6E REDUNDANT PARAMETER: parm

Explanation: The parm input parameter for the CTDAPRV utility has already been specified. The parameter which can be specified only once is specified twice in the current statement. The utility has stopped running.

Corrective Action: Remove the extra input parameter from the input parameters stream in JCL and rerun the job.

CTDAP7E parm PARAMETER LENGTH EXCEEDED

Explanation: The parm input parameter for the CTDAPRV utility exceeds the maximum allowable length. The utility has stopped running.

Corrective Action: Correct the invalid input parameter (parm) in the JCL and rerun the job.

CTDAP8E EMPTY stat STATEMENT

Explanation: The statement stat is specified for the CTDAPRV utility without any parameters. The utility has stopped running.

Corrective Action: Add the required parameters to the statement in the JCL and rerun the job.

CTDAP9E INPUT PARAMETERS ERROR

Explanation: This error message indicates that the CTDRETC utility discovered errors in the input parameters. Additional information about the errors is available in the job log.

Corrective Action: Examine the job log for error messages describing the problem. Make any necessary corrections in the input parameters and rerun the utility.
CTDAPAE CTDAPRV UTILITY TERMINATES DUE TO AN ERROR IN THE SORT

Explanation: The CTDAPRV utility issues this error message when the invoked SORT utility ends with errors. The utility has stopped running.

Corrective Action: Examine the messages issued by the SORT utility to SYSOUT to identify the problem. Make appropriate changes to the JCL and rerun the job.

CTDAPBE EMAIL FOR APPROVAL=approval name IS NOT FOUND IN THE APPROVAL TREE

Explanation: The SHOUT command without parameter EMAIL is specified for the CTDAPRV utility, and the EMAIL destination is not specified for the corresponding Approval entry in the Approval Tree. The utility does not send the SHOUT message and continues to work.

Corrective Action: Specify the EMAIL destination in the Approval Tree or in the input parameter and rerun the job.

CTDAPCI nnnnn REPORTS WERE SELECTED

Explanation: This information message indicates that the CTDAPRV utility selected nnnnn reports for processing.

Corrective Action: No response required.

CTDAU01 CTDAUTR UTILITY STARTED

Explanation: This information message indicates that the CTDAUTR utility has begun.

Corrective Action: No action is required.

CTDAU11 CTDAUTR UTILITY COMPLETED SUCCESSFULLY

Explanation: This information message indicates that the CTDAUTR utility has finished without errors.

Corrective Action: No action is required.

CTDAU2E CTDAUTR UTILITY ENDED WITH ERRORS

Explanation: This error message indicates that the CTDAUTR utility has finished with errors. The problem is described by previous error messages issued to the job log.

The utility stops.

Corrective Action: Examine the job log for error messages describing the reason for the problem. Fix the problem and rerun the utility.

CTDAU3E PARAMETER LENGTH EXCEEDED: parm

Explanation: The value of the parm input parameter specified for the CTDAUTR utility is longer than the maximum allowed.

The utility stops.
**Corrective Action:** Correct the invalid input parameter and rerun the job.

**CTDAU4E INVALID PARAMETER: parm**

**Explanation:** The parm input parameter specified for the CTDAUTR utility is not valid. The utility stops.

**Corrective Action:** Correct the invalid input parameter and rerun the job.

**CTDAU5E THE PARAMETER parm MUST BE SPECIFIED**

**Explanation:** The required parm input parameter for the CTDAUTR utility is missing. The utility stops.

**Corrective Action:** Insert the missing parameter to the JCL and rerun the job.

**CTDAU6E REDUNDANT PARAMETER: parm**

**Explanation:** The parm input parameter for the CTDAUTR utility has been specified more than once. The utility stops.

**Corrective Action:** Delete the extra input parameter from the JCL and rerun the job.

**CTDAU8E SORT FAILED WITH RETURN CODE rc**

**Explanation:** The SORT utility invoked by the CTDAUTR utility ended with errors. The CTDAUTR utility issues this message whenever the SORT utility ends with a return code (rc) other than 0.

Refer to the documentation for your SORT utility for an explanation of the return code (rc) value. The utility stops.

**Corrective Action:** To correct this problem, use the following procedure:

1. Examine the return code (rc) and the messages issued to SYSOUT by the SORT utility to identify the problem
2. Make appropriate changes to the JCL
3. Rerun the job

**CTDAU9E THE FILE PARAMETER IS NOT ALLOWED FOR ACTION=RECIPIENTS**

**Explanation:** This error message is issued if the FILE parameter is specified for the CTDAUTR utility when the required action is to receive list of authorized recipients (ACTION=RECIPIENTS). The FILE parameter can be specified only in case the required action is to receive the list of available reports (ACTION=REPORTS). The utility stops.

**Corrective Action:** Correct the input parameters and rerun the job.
CTDAUAI ALL RECIPIENTS ARE AUTHORIZED FOR THE USER user-id

Explanation: This information message is issued when the CTDAUTR utility has been submitted to receive a list of authorized recipients and all recipients are authorized for the specified User ID (user-id). This situation can occur in the following cases:

- The user and security exits are missing for the environment specified by the ENV parameter.
- The user and security exits called with the function USERLIST for the specified User ID return RC=0.
- The specified User ID is authorized for the Recipient '*' in the Control-D Recipient tree.

The utility ends with a return code of zero without issuing the requested report.

Corrective Action: No action is required.

CTDAUBI ALL REPORTS ARE AUTHORIZED FOR THE USER user-id

Explanation: This information message is issued when the CTDAUTR utility has been submitted to receive a list of available reports and all available reports are authorized for the specified User ID (user-id). This situation can occur when the user and security exits are missing from the environment specified in the ENV parameter.

The utility ends with a return code of zero and a list of all Control-D reports available from the User files specified in the FILE parameter is issued.

Corrective Action: No action is required.

CTDAUCI NO RECIPIENTS ARE AUTHORIZED FOR THE USER user-id

Explanation: This information message is issued when the CTDAUTR utility has been submitted to receive a list of authorized recipients and no recipients are authorized for the specified User ID (user-id) according to the Control-D Recipient tree and security definitions.

The utility ends with a return code of zero without issuing the requested report.

Corrective Action: No action is required.

CTDAUDI NO REPORTS ARE AUTHORIZED FOR THE USER user-id

Explanation: This information message is issued when the CTDAUTR utility has been submitted to receive a list of available reports and no reports are authorized for the specified User ID (user-id) according to the Control-D Recipient tree and security definitions.

The utility ends with a return code of zero without issuing the requested report.

Corrective Action: No action is required.

Messages CTDB00 through CTDBxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDB06E OUTGRP INFORMATION IS UNAVAILABLE

Explanation: Highlighted, unrollable message.
The OUTGRP parameter is specified in CTDPARM, but the function cannot be performed.

An attempt to get the GROUPID parameter failed due to one of the following:

- The OUTGROUP OUTPUT statement was not specified in the CTDPRINT procedure.
- The corresponding control blocks cannot be found in the current release of MVS.

A special snap is sent to the DD name DADUMP.

**Corrective Action:** Check that the OUTGROUP OUTPUT statement is specified in the CTDPRINT procedure. If the error persists, contact your INCONTROL administrator and supply the snaps.

**CTDB07E OUTGRP COULD NOT BE SET**

**Explanation:** *Highlighted, unrollable message.*

The GROUPID parameter could not be set for the current chunk according to the OUTGROUP parameter in CTDPARM.

**Corrective Action:** Notify your INCONTROL administrator.

**CTDB08E ERROR ACCESSING BARCODE TRACKING FILE RC=rc**

**Explanation:** A print mission failed to access the Barcode Tracking (BTR) file.

The current print mission terminates NOT OK.

**Corrective Action:** Correct the source of the problem using the IOAF70I or IOAF71I message to be found in the JES log. Rerun the mission.

**CTDB0DE OUTPUT CARD DYNAMIC ALLOCATION FAILED, RC=rc, REASON=rsn, KEY=key_code**

**Explanation:** The dynamic allocation (pursuant to optional wish WD3133) of an output statement during a printing mission failed.

The variables in this message are:

- **rc** - the return code
- **rsn** - the reason code
- **key_code** - the key code

These codes are the standard system return, reason, and key codes that are returned when dynamic allocation of an output statement occurs. For more information on these codes, see the description of the OUTADD macro in the IBM manual *MVS Programming: Authorized Assembler Services Reference.*

The printing mission does not use the dynamic allocation of an output statement for the current report.

**Corrective Action:** Examine the values of the return, reason, and key codes, and take appropriate corrective action.

**CTDB10E "FE" PRINT SUPPORT ERROR. RETURN CODE rc**

**Explanation:** An executing Printing Mission failed to delete an internal Printing Mission record in the Active User Report file.
If the DO PRINT parameter is specified in a Decollation Mission Definition, the Control-D Decollation monitor writes an internal Printing Mission record to indicate that there are reports waiting to be printed by the Printing Mission specified in the DO PRINT parameter.

These records have the following key:
\[ X'\text{FE}',C'\text{PRINTMS}',Printing-Mission-Name \]

In this message, \textit{rc} is the return code from the CTDXRP routine.

Control-D encountered an error when attempting to delete the record for the current Printing Mission during Printing Mission termination processing.

The Printing Mission continues.

\textbf{Corrective Action:} If the problem persists, report the return code to BMC Software Customer Support.

\textbf{CTDB21I CTVACDB UTILITY STARTED IN }\textit{mode} \textbf{MODE}

\textbf{Explanation:} This information message indicates the normal start of the CTVACDB utility in the mode specified.

In this message, \textit{mode} is the mode in use. Valid values are:

- TEST--simulation mode
- PROD--production mode

\textbf{Corrective Action:} No action is required.

\textbf{CTDB22I PARM=TEST SPECIFIED - SIMULATION MODE}

\textbf{Explanation:} This information message indicates that the CTVGDBB or CTVGI CL utility ran in simulation mode. In this mode, messages are generated that indicate what actions would normally be performed. These actions are not performed, nor are any files changed.

\textbf{Corrective Action:} Check the SYSOUT of the CTVGDBB or CTVGI CL utility before running it in production mode.

\textbf{CTDB23I CTVACDB UTILITY ENDED OK}

\textbf{Explanation:} This information message indicates the normal termination of the CTVACDB utility.

\textbf{Corrective Action:} No action is required.

\textbf{CTDB24S CTVACDB UTILITY ENDED WITH ERRORS}

\textbf{Explanation:} (severe general message) The CTVACDB utility ended with errors.

\textbf{Corrective Action:} See the IOA LOG and the job sysout.

\textbf{CTDB25E OPEN OF SORT FILE FAILED. DDNAME "dd_Name"}

\textbf{Explanation:} The SORT utility invoked by the CTVACDB utility failed to open the \texttt{dd_Name DD} statement.

The CTVACDB utility stops.

\textbf{Corrective Action:} Ensure that all DD statements are valid and then restart the CTVACDB utility.
CTDB26E INVALID PARAMETER: parmValue

Explanation: An invalid parameter parmValue was encountered in the input data stream of the CTVACDB utility.

The utility terminates with a condition code of 08.

Corrective Action: Correct the parameter syntax and resubmit the job. For more information, see the section on the CTVACDB utility in the INCONTROL for z/OS Utilities Guide.

CTDB27E MISSING PARAMETER AFTER: parmValue

Explanation: A subparameter of a parameter to the CTVACDB utility is missing. A subparameter is expected after the parmValue parameter.

The utility terminates with a condition code of 08.

Corrective Action: Correct the parameter syntax and resubmit the job. For more information, see the section on the CTVACDB utility in the INCONTROL for z/OS Utilities Guide.

CTDB28E OPEN OF PARAMETERS FILE FAILED. DDNAME "SYSIN"

Explanation: The open of the SYSIN DD statement failed. Possible causes are:

- The SYSIN DD statement is missing.
- The data set described by the SYSIN DD statement cannot be opened for sequential read.

The CTVACDB utility terminates with a return code of 08.

Corrective Action: Correct the JCL for the CTVACDB and rerun the utility. For more information, see the section on the CTVACDB utility in the INCONTROL for z/OS Utilities Guide.

CTDB29E LOCATE ERROR FOR DSN dsn

Explanation: The CTVACDB utility encountered a CDAM file name that does not exist in the catalog. The dsn data set might have been deleted or uncataloged.

The dsn data set is ignored.

Corrective Action: Check the output of the CTVACDB utility, and then try to resolve the problem.

CTDB2AE ACD FOR DATASET dsn IS NOT CORRECT

Explanation: The CTVACDB utility found incorrect ACD data for the migrated data set dsn on the volume.

If the CTVACDB utility works in PROD mode, incorrect ACB will be updated.

Corrective Action: If the CTVACDB utility works in PROD mode, looks for corresponding CTDB2CE message. If the CTVACDB utility works in TEST mode, resubmit the CTVACDB utility in PROD mode to fix the problematic ACD.

CTDB2BE INVALID RETURN CODE FROM SORT, RC=rc

Explanation: A sort program activated internally by the CTVACDB utility ended with an unexpected return code of rc.
The CTVACDB utility terminates with a condition code of 08.

**Corrective Action:** For details about the reason for the failure, see the documentation for the sort program and the job's sort messages.

**CTDB2CE ACD WILL BE UPDATED FOR DATASET dsn**

**Explanation:** The CTVACDB utility will update incorrect ACD data for the migrated data set dsn. This message appears after corresponding CTDB2AE message.

**Corrective Action:** No action is required.

**CTDB2DE NO CDAM/INDEX DATASET WERE MIGRATED ON volume VOLUME**

**Explanation:** The specified volume does not contain a migrated CDAM/INDEX.

The CTVACDB utility terminates with a condition code of 08.

**Corrective Action:** Correct input parameter VOL and resubmit the CTVACDB utility.

**CTDB2FI ACD WILL BE CLEANED FOR DATASET dsn**

**Explanation:** This information message is issued for each relevant data set when FUNCTION=CLEAN is specified for the CTVACDB utility. It indicates that the ACD data will be cleaned for the migrated data set dsn.

**Corrective Action:** No action is required.

**CTDB45I CONTROL-D ACTIVE MISSIONS FILE IS COPIED TO BACKUP FILE**

**Explanation:** This information message is the normal start message of the CTDCAMF utility for the COPY option.

**Corrective Action:** No action is required.

**CTDB46I COMPRESSING OF CONTROL-D ACTIVE MISSIONS FILE STARTED**

**Explanation:** This information message is the normal start message of the CTDCAMF utility for the COMPRESS option.

**Corrective Action:** No action is required.

**CTDB47I COMPRESSING OF CONTROL-D ACTIVE MISSIONS FILE ENDED**

**Explanation:** This information message is the normal termination message of the CTDCAMF utility for the COMPRESS option.

**Corrective Action:** No action is required.

**CTDB48S ERROR WHILE COMPRESSING ACTIVE MISSIONS FILE, FILE WAS NOT COMPRESSING**

**Explanation:** The CTDCAMF Control-D utility failed.
This could be due to one of the following:

- The DAAMF DD statement is missing.
- The data set described by the DAAMF DD statement is not the Control-D Active Missions file.
- The data set described by the DAAMF DD statement is the Control-D Active Missions file, but for another Control-D monitor or from a different Control-D version.
- The DABKUP DD statement is missing.
- The SYSPRINT DD statement is missing. See the CTM913S message.

Corrective Action: Correct the JCL and rerun the job.

CTDB55E ERROR WHILE OPENING DD "DASCRLST". OLD PRINT PLAN FILES WILL NOT BE DELETED

Explanation: An error occurred while trying to write a print plan file name to the scratch list. The message is issued by the AMF formatting program. This program could not open the file referenced by DD DASCRLST. This could be because the entire corresponding DD statement is missing.

Corrective Action: Verify that the DD DASCRLST statement exists in the JCL and that it references an existing file.

CTDB60I MISSION missionName NOT ORDERED. MISSION ALREADY IN ACTIVE MISSIONS FILE

Explanation: This information message indicates that the specified mission already exists on the Active Missions file. Therefore there is no need to order it again. This situation is common during the product test period.

Corrective Action: No action is required.

CTDB70S OPEN FAILED fileName

Explanation: The Online Print Control Program was unable to open the Print Plan file of the selected Printing Mission, probably because the file name has not yet been created.

The Print Plan file is a sequential file that contains the information required by the Control-D Printers Control monitor to print a specific Printing Mission, such as report names, user names, and job names of the reports that are scheduled to be printed by this Printing Mission. This file is built during the initial Printing Mission processing.

Corrective Action: Retry to enter the Print Control option. If the problem recurs, enter the Log option for this Printing Mission to view the error messages.

CTDB71S ALLOCATION FAILED fileName

Explanation: The Online Print Control Program was unable to dynamically allocate the Print Plan file of the selected Printing Mission, probably because the filename has not yet been created. It is also possible that the Print Plan file was manually deleted.
The Print Plan file is a sequential file that contains the information required for the Control-D Printers Control monitor to print a specific Printing Mission, such as report names, user names, and job names of the reports that are scheduled to be printed by this Printing Mission. This file is built during the initial Printing Mission processing.

Corrective Action: Notify your INCONTROL administrator.

CTDB72S OPEN OF COMMUNICATION FILE FAILED (DDNAME DACOM)

Explanation: The Online Print Control Program was unable to open the Communication file, which is used for communication with the Printers Control monitor. The file must be available for the Online Print Control program.

Corrective Action: Notify your INCONTROL administrator.

CTDB73E INVALID VALUE, TRY "N" or "Y"

Explanation: User specified an invalid value in a Yes/No field. Valid values are Y (for Yes) or N (for no).

Corrective Action: Specify Y or N.

CTDB74E SKIP TO REPORT COMMAND IS INVALID AFTER STOP COMMAND LOCATION

Explanation: SKIP TO REPORT option was specified after a STOP AT REPORT option. A SKIP TO REPORT option may not be specified after a STOP AT REPORT option.

Corrective Action: Reposition the SKIP TO REPORT and STOP AT REPORT options. For example, reposition the existing SKIP TO REPORT option to the start of the Report List and re-enter the SKIP TO REPORT option.

CTDB75E INVALID VALUE. TRY "C" or "R"

Explanation: The specified value is invalid.

Valid values are:
- C - The Printing Mission should skip to the specified report at the end of the current chunk.
- R - The Printing Mission should skip to the specified report at the end of the current report.

Corrective Action: Specify C or R.

CTDB76E STOP COMMAND IS INVALID BEFORE SKIP TO REPORT COMMAND LOCATION

Explanation: STOP AT REPORT option was specified before a SKIP TO REPORT option. A STOP AT REPORT option may not be specified before a SKIP TO REPORT option.

Corrective Action: Reposition the STOP AT REPORT and SKIP TO REPORT options. For example, reposition the existing SKIP TO REPORT option to the start of the Report List and re-enter the STOP AT REPORT option.
INCONTROL for z/OS Messages Manual

CTDB77E SKIP FROM PC REPORT TO NON-PC REPORT IS FORBIDDEN

**Explanation:** SKIP TO REPORT option was positioned on a non-PC report when the Printing Mission was processing PC reports. The SKIP TO REPORT option cannot be specified on a non-PC report when the printing mission is processing PC reports.

**Corrective Action:** Enter the SKIP TO REPORT option after the printing mission completes printing, and rerun the mission.

CTDB78I OPTION opt PROCESSED FOR PRINT MISSION missionName CATEGORY cat. USER userName JOB jobName /jobId REPORT reportName

**Explanation:** This information message is written to the IOA Log file when a user specifies a Print Control option (> , <, D, or U) on the Print Plan screen.

**Corrective Action:** No action is required.

CTDB79E ONLY ONE IMMEDIATE COMMAND (P, T, H, R) IS ALLOWED

**Explanation:** An Immediate Printing Control command was issued before a previous command had been passed to the Control-D Functional Subsystem (FSS) monitor. Immediate Printing Control commands can be issued under the Print Plan screen for printing missions that use the Control-D/Writer facility. These commands are SKIP, STOP, TEST, HALT, RESUME and PRINT.

The Immediate Printing Control command is ignored.

**Corrective Action:** Wait a little while and then reissue the Immediate Printing Control command.

CTDB7AE COMMAND IS NOT SUPPORTED YET

**Explanation:** A B (BACK) command was entered in the Print Plan screen (screen A.P) for a printing mission that uses the Control-D/Writer facility. This command is not supported yet.

The B (BACK) command is ignored.

**Corrective Action:** Use the SKIP command instead of the BACK command.

CTDB7BE FIELD MUST BE NUMERIC AND GREATER THAN ZERO

**Explanation:** An invalid number of pages was specified in a Printing Control command in the Print Plan screen (screen A.P) for a printing mission that uses the Control-D/Writer facility.

The Print Plan screen cannot be saved.

**Corrective Action:** Specify a valid number of pages - numeric and greater than zero.

CTDB7DE COMMAND FAILED. POST RETURN CODE prc

**Explanation:** An error occurred in passing a Printing Control command to the Control-D Functional Subsystem (FSS) monitor. The Print Plan uses the POST command in a cross-memory environment to pass commands under Print Plan screen for printing missions that use the Control-D/Writer facility.

The Printing Control command is ignored.

**Corrective Action:** Repeat the command. Save the return code issued in the message, the job log of the FSS monitor, and the IOA Log of the printing mission. Contact BMC Software Customer Support.
CTDB7EE IMMEDIATE COMMANDS ARE NOT AVAILABLE WHEN PRINT MISSION IS NOT ACTIVE

**Explanation:** An immediate Printing Control command under the Print Plan screen was issued for a non-active printing mission. Immediate Printing Control commands, SKIP, STOP, TEST, HALT, RESUME and PRINT, are only available for active running printing missions. They are issued under the Print Plan screen for printing missions that use the Control-D/Writer facility.

The command is ignored.

**Corrective Action:** Issue the immediate Printing Control command only after the printing mission enters the printing stage.

CTDB7FE TEST COMMAND IS AVAILABLE ONLY IN HALTED STATUS

**Explanation:** Printing Control command TEST was issued for a printing mission that did not have HALTED status.

Printing Control command TEST can be issued in the Print Plan screen for a printing mission that uses the Control-D/Writer facility. However, this command can only be issued for a printing mission whose status is HALTED.

The TEST Printing Control command is ignored.

**Corrective Action:** Halt the printing mission by means of the HALT command and then issue the TEST command.

Messages CTDC00 through CTDCxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDC01I UPDATING OF ACTIVE USER REPORTS FILE STARTED

**Explanation:** This information message indicates that the CTDDSM program started. The CTDDSM program is the second step of the CTDDELRP utility. It updates and deletes records from the Active User Report file according to information in the work file built by the first step of the CTDDELRP utility.

**Corrective Action:** No action is required.

CTDC02I UPDATING OF ACTIVE USER REPORTS FILE ENDED OK

**Explanation:** This information message indicates that the CTDDSM program ended without errors. The CTDDSM program is the second step of the CTDDELRP utility. It updates and deletes records from the Active User Report file, according to information in the work file built by the first step of the CTDDELRP utility.

**Corrective Action:** No action is required.
CTDC03S UPDATING OF ACTIVE USER REPORTS FILE ENDED WITH ERRORS

Explanation: An unrecoverable processing error was encountered by the CTDDSM program. The CTDDSM program, which is the second step of the CTDDELRP utility, updates and deletes records from the Active User Report file, according to information in the work file built by the first step of the CTDDELRP utility.

The CTDDSM program terminates with a condition code of 8.

Corrective Action: Check previously issued IOA Log file and system log messages to determine the cause of the error. Correct the problem and rerun the job.

CTDC05E OPEN OF INPUT FILE FAILED. DDNAME "DADSOIN"

Explanation: The CTDDSM program failed to open the work file referenced by the DADSOIN DD statement. The CTDDSM program is the second step of the CTDDELRP utility. It updates and deletes records from the Active User Report file, according to information in the work file built by the first step of the CTDDELRP utility.

The CTDDSM program terminates with a condition code of 08.

Corrective Action: Check previously issued IOA Log file and system log messages to determine the cause of the error. Correct the problem and rerun the job.

CTDC28E ERROR CREATING CCF FILE FOR PRINTING, RC=rc

Explanation: An internal error occurred during an attempt to create a CCF report for immediate printing required in Page On Demand mode, while the print job created by the Control-D Application Server was creating a temporary CCF data set by means of the DVS DV_Subset function.

The print job terminates with an error.

Corrective Action: Check the DVS error messages issued together with the CTDC28E message. For information about these messages, see the DVS programmer's guide. If you cannot resolve the problem, save the return code and the DVS error messages and contact BMC Software Customer Support.

CTDC40I DATA BASE CONVERSION STARTED

Explanation: This information message indicates that the IOA Access Method (IAM) conversion program started. The IAM conversion program moves records from Active, Permanent, History, or Migrated VSAM files to the new IAM and converts these records to the new format.

Corrective Action: No action is required.

CTDC41I DATA BASE CONVERSION ENDED. RC=rc

Explanation: This information message indicates that the IOA Access Method (IAM) conversion program has ended.

Corrective Action: If the conversion program ends with a non-zero return code, check the system log file for additional messages that describe the error. Correct the problem before rerunning the program.
CTDC43S DCBOUT OPEN ERROR

Explanation: The IOA Access Method (IAM) conversion program could not open the SYSOUT file or the data set referenced by the SYSPRINT DD statement, which is used by the program to write message output during execution.

The IAM conversion program terminates.

Corrective Action: Check the system log file for additional messages that describe the error. Correct the problem before rerunning the program.

CTDC45S RC=rc DURING func OPERATION

Explanation: An internal error occurred during IOA Access Method (IAM) file access while the func function was executing.

The IAM conversion program terminates.

Corrective Action: Check the IOA Log file and the system log file for additional messages that describe the error. Correct the problem before rerunning the program. If the error persists, contact BMC Software Customer Support.

CTDC46S VSAM OPEN ERROR

Explanation: The IOA Access Method (IAM) conversion program encountered an error while opening the VSAM input file which contains the records to be converted.

The IAM conversion program terminates.

Corrective Action: Check the system log file for additional messages that describe the error. Correct the problem before rerunning the program.

CTDC48S PARAMETER ERROR. THE PARAMETER SHOULD BE A/P/H/M

Explanation: The Database conversion program encountered an error while reading the input parameter. The parameter that specifies the user file to be converted is invalid. Valid values are A, P, H or M to specify the Active, Permanent, History, or Migrated User file as input.

The Database conversion program terminates.

Corrective Action: Specify a valid input parameter before rerunning the program.

CTDC49S NUMBER OF CONVERSION ERRORS EXCEEDS THE MAXIMUM ALLOWED

Explanation: The number of errors which occurred during a Database conversion is more than the permitted maximum. This maximum number of errors permitted is specified in the Database conversion program.

The Database conversion program terminates.

Corrective Action: Check the system log file for additional messages that describe the error. Correct the problem before rerunning the Database conversion program.
CTDC51I THE PRIMARY RECORD IS NOT FOUND FOR THE CONTINUATION RECORD

**Explanation:** This information message indicates that the Database conversion program encountered a continuation record that has no corresponding primary record. The Database conversion program checks all continuation records in the Database. If no primary record exists for a continuation record, the continuation record is not converted to the new Database.

The Database conversion program continues.

**Corrective Action:** No action is required.

CTDC52I CONVERTED:

**Explanation:** This information message is issued when the Database conversion program terminates. This message is the header for data displayed by the CTDC53I message, which indicates the number of records converted.

**Corrective Action:** No action is required.

CTDC53I recordType RECORDS: num

**Explanation:** This information message is issued when the Database conversion program terminates. A separate message indicates the number of records converted for each type of record converted. This message follows the CTDC52I message.

The Database conversion program terminates.

**Corrective Action:** No action is required.

CTDC54I USER NAME IN RECORD IS ZERO. RECORD IS IGNORED

**Explanation:** This information message indicates that the utility that converts Control-D or Control-V VSAM files to the IOA Access Method Database could not convert a user record found in the VSAM file. The user record has a key (user name) of binary zeros, which is invalid.

The record is passed over, and is not transferred to the IOA Access Method Database. Processing continues.

**Corrective Action:** No action is required.

CTDC56S ERROR IN CTV RECORD CONVERSION

**Explanation:** During index record conversion, the CTVCVI program, which converts the index records, ended with a return code greater than 4.

The database conversion program terminates.

**Corrective Action:** Correct the problem according to the messages which are issued with this message, and rerun the conversion job.

Messages CTDD00 through CTDDxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
CTDD69E QUOTES WITHIN QUOTED STRING MUST BE PAIRED

**Explanation:** Quotation marks in the STRING field were not paired. When quotes are specified in the STRING field, they must be paired.

**Corrective Action:** Correct the quotation marks in the STRING field.

CTDD6AE EMPTY STRING IN QUOTES NOT PERMITTED

**Explanation:** An empty string between two quotation marks (" " ) was specified in the Include, Exclude, or Color Lines screens. An empty string is not a valid criterion for Include or Exclude lines.

**Corrective Action:** Correct the string specification.

CTDD70E COLOR SHOULD BE BLANK OR: B,G,P,R,T,W,Y

**Explanation:** An invalid value was specified in the COLOR field.

Valid COLOR options are:

- Blank - no color
- B - blue
- G - green
- P - pink
- R - red
- T - turquoise
- W - white
- Y - yellow

**Corrective Action:** Specify a valid COLOR option in the COLOR field.

CTDD71E HILITE SHOULD BE BLANK OR B,R,U

**Explanation:** An invalid value was specified in the HILITE field.

Valid HILITE options are:

- B - blink
- R - reverse video
- U - underscore

**Corrective Action:** Specify a valid HILITE option in the HILITE field.

CTDD72E PLEASE SPECIFY ONLY ONE ON INSTRUCTION

**Explanation:** An object for coloring or highlighting is not defined, or two or more objects are specified. Only one object - a string, line or column/line range - may be specified for coloring or highlighting.

**Corrective Action:** Select only one type of object to be colored or highlighted.
CTDD90S OPEN OF ACTIVE TRANSFER FILE FAILED. DDNAME "DAATF"

Explanation: The Active Transfer file cannot be opened. The DAATF DD statement is missing.
Requested function is not performed.
Corrective Action: Check that the DAATF DD statement is defined in the logon or Online monitor procedure.

CTDD91S ERROR ON CONTROL-D ACTIVE TRANSFER FILE

Explanation: An error was detected while attempting to access the Active Transfer file. This is probably caused by an I/O error.
Requested function is not performed.
Corrective Action: Fix the I/O error and retry the action.

CTDD92E CANNOT func PACKET pktName - NOT HELD

Explanation: An attempt was made to FREE or DELETE a packet while the packet was not in the HELD status. A packet must be in the HELD state before it may be freed or deleted.
Requested function is not performed.
Corrective Action: Place the packet in the HELD state using the H option, and retry the required action.

CTDD93E CANNOT func PACKET pktName - ALREADY DELETED

Explanation: An action was attempted on a deleted packet.
The requested action is not performed.
Corrective Action: If a function is required for a deleted packet, then order a new packet.

CTDD94I func OF PACKET pktName PERFORMED

Explanation: This information message indicates that the requested action was processed successfully.
Corrective Action: No action is required.

CTDD95E CANNOT ZOOM PACKET userName - INTERNAL ERROR rc

Explanation: An internal error occurred in the zoom operation in the PC Packet Status screen (F Screen).
The zoomed record remains unchanged.
Corrective Action: Supply BMC Software Customer Support with the return code identified in the message.

CTDD96E CANNOT HOLD PACKET pktName - ALREADY HELD

Explanation: A HOLD request was issued for a packet that was already held. A packet that is already held cannot be held again until after it is freed.
Requested function is not performed.
Corrective Action: Correct the action required and retry.
CTDD97E COPIES FIELD MUST CONTAIN A NUMBER FROM 1 TO 255

Explanation: An invalid number was entered in the COPIES field on the Confirm Print Window of the file Transfer Control screen. Valid values are from 1 through 255.

Corrective Action: Enter a valid value in the COPIES field.

CTDD98I PRINT COMPLETED OK

Explanation: This information message indicates that the Immediate Printing for the PC user ENDED OK.

Corrective Action: No action is required.

CTDD99E INVALID DESTINATION

Explanation: An invalid destination was entered in the Confirm Print Window of the file Transfer Control screen. Only destinations that are defined in JES parameters for the site are valid.

Corrective Action: Correct the entry in the DEST field on the window.

CTDD9AE SYSOUT ALLOCATION ERROR, CODE=rc rsn

Explanation: The Immediate Printing request ENDED NOTOK due to an error in allocating the SYSOUT file. The SYSOUT parameters for one of the reports to be printed may be invalid.

Printing stops. Reports processed before the error were already sent to JES.

Corrective Action: Check the characteristics of the reports contained in this packet. If necessary, check MVS documentation for an explanation of the return code for Dynamic Allocation and the reason code.

CTDD9BE FILE ALLOCATION ERROR, CODE=rc rsn

Explanation: The Immediate Printing request ENDED NOTOK due to an error in allocating the input files. The CDAM file and/or the index file may have been manually deleted. The variables in this message are:

- rc - the error return code
- rsn - the error reason code

Printing is not performed.

Corrective Action: No action is required.

CTDD9CE PRINT INTERNAL ERROR

Explanation: Immediate Printing failed due to internal error.

Printing stops. Part of the files may be printed.

Corrective Action: Notify your INCONTROL administrator.

CTDD9DE ENTER "Y" OR "N"

Explanation: The CONFIRM field of the Confirm Print Window of the file Transfer Control screen contains an invalid value. Valid values are Y (Yes) and N (No).

Corrective Action: Enter Y to perform printing or N to exit the window without printing.
CTDD9EE YOU ARE NOT AUTHORIZED TO PERFORM \textit{func}

\textbf{Explanation:} The Security Exit denied the request to perform a function in the file Transfer Control screen.

The requested function is not performed.

\textbf{Corrective Action:} Notify the INCONTROL administrator.

CTDD9FE CANNOT \textit{func} PACKET \textit{packet-name} - PACKET CHANGED WHILE ZOOMING

\textbf{Explanation:} The Zoom screen from which the change is requested is no longer up-to-date because \textit{packet packet-name} was changed by another user after the Zoom screen was displayed. To prevent possible overlaying of the changes made by another user, or because the requested changes may no longer be valid, the requested changes are not performed.

The requested changes are not saved.

\textbf{Corrective Action:} Refresh the Zoom screen and repeat the changes if desired.

CTDD9GE PIX FILE ALLOCATION ERROR, CODE=rc rsn

\textbf{Explanation:} An error occurred while trying to allocate a Pix file.

The variables in this message are:

- \textit{rc} - the return code from dynamic allocation
- \textit{rsn} - the reason code from dynamic allocation.

\textbf{Corrective Action:} See the IBM manual \textit{MVS Programming: Authorized Assembler Services Guide}. If you still cannot resolve the problem, have your INCONTROL administrator provide BMC Software Customer Support with the return code and reason code.

CTDD9HE INTERNAL INDEX ERROR

\textbf{Explanation:} Processing of the Index file failed due to an internal error.

Failure may be due to one of the following:

- insufficient storage
- Pix file Open failure

The Index screen is not displayed.

\textbf{Corrective Action:} Notify your INCONTROL administrator.

Messages CTDE00 through CTDExx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
CTDE01W $$TRNRES CTD PARM

**Explanation:** During initialization of the IOA Application Server, the loading or parsing of the $$TRNRES member in the Control-D PARM library failed.
The $$TRNRES member is used for extracting print resources.
Initialization of the Application Server continues.

**Corrective Action:** If you need to use this feature, ensure that the $$TRNRES member is provided or corrected.

CTDE02E IOAUPDS FAILED-RC=rc F=func M=memName D=dsn

**Explanation:** An error occurred during the processing of the `memName` member in the `dsn` resource library.
The variables in this message are:
- `rc` - the internal error code
- `func` - the code of the operation that failed
- `memName` - the member that was being processed when the error occurred
- `dsn` - the name of the resource library that contains `memName`
The transforming decollation mission fails.

**Corrective Action:** Call your INCONTROL administrator.

CTDE03E LIBSET libsetname NOT FOUND IN TRNTAB

**Explanation:** The report that is being decollated requires the `libsetname` resource libraries set, but that resource library set is not present in the $$TRNRES member in the Control-D PARM library.
The decollation mission fails.

**Corrective Action:** Ensure that the name of the `libsetname` resource library set is included in the $$TRNRES member, and redecollate the report.

CTDE04E NO TRNTAB AVAILABLE - CHECK IF $$TRNRES EXISTS

**Explanation:** The $$TRNRES member is missing from the Control-D PARM library.
The transforming decollation mission fails.

**Corrective Action:** Call your INCONTROL administrator.

CTDE05E REPORTTYPE= PARAM IS MISSING - ADD REPORT CLIQUE FAILED

**Explanation:** An internal error occurred during a decollation that transforms the format of the decollated report.
The decollation mission ends NOT OK.

**Corrective Action:** Call your INCONTROL administrator.
CTDE06E INTERNAL ERROR - REPORT CLIQUE MUST BE ADDED IN ONE SECTION

Explanation: An internal error occurred during a decollation that transforms the format of the decollated report.

The decollation mission ends NOT OK.

Corrective Action: Call your INCONTROL administrator.

CTDE07E RESOURCE NOT FOUND: res_req res_name res_typ rep_format res_spec res_sum lib_set_name

Explanation: During a decollation that transforms the format of the decollated report, a required resource was not found in the specified resource library set.

The variables in this message are:

- res_req - the code of the resource request
- res_name - the name of the requested resource
- res_typ - the code of the type of the requested resource
- rep_format - the code of the format of the decollated report
- res_spec - the specification of the requested resource
  - S - a specific resource
  - D - a default resource
- res_sum - the checksum of the requested resource (only where a specific resource was requested)
- lib_set_name - the name of the resource library set that is currently being used

An attempt is made to perform the decollation mission without the res_name resource, or to substitute a similar resource that is available. If this attempt fails, the decollation mission ends NOT OK.

Corrective Action: Ensure that all necessary resources are available in the specified resource library set before launching the decollation mission.

CTDE08E INCORRECT SIZE OF RESOURCE'S res MEMBER memName IN LIBRARY dsn

Explanation: During a decollation that transforms the format of the decollated report, the size of the required resource member did not correspond with the size recorded in the Control-D database.

The variables in this message are:

- res - the name of the problematic resource
- memName - the name of the resource member
- dsn - the data set name of the library that contains memName

The probable cause is corruption of the memName resource member.
The decollation mission ends NOT OK.

**Corrective Action:** Restore the `memName` resource member from a backup copy.

**CTDE09E RESOURCE LIBRARY `dsn` CONTAINS A MEMBER WITH AN INCORRECT NAME `memName`**

**Explanation:** During a transforming decollation mission, a resource library has been found to contain a member with a name that is in an invalid format.

The name of a member in a resource library must be in the format `lccccccc`, where `l` is a letter and `c` is a digit.

The probable cause is that a data set has been incorrectly named in the `$TRNRES` member.

The variables in this message are:
- `dsn` - the name of the resource library containing the problematic member
- `memName` - the name of the problematic member

The decollation mission fails.

**Corrective Action:** Correct the name of the problematic data set in the `$TRNRES` member and rerun the decollation mission.

**CTDE0AE RESOURCE LIBRARY `dsn` IS INACCESSIBLE OR HAS AN INCORRECT FORMAT**

**Explanation:** The `dsn` data set that was specified as a resource library in the `$TRNRES` member in the Control-D PARM library is either inaccessible or in an inappropriate format.

This error message may be issued during any of the following:
- a decollation mission: the mission ends NOT OK
- a DO screen operation: the operation fails
- the processing of a Control-D/WebAccess request: the request fails

**Corrective Action:** Do the following:

1. Ask your INCONTROL administrator to recreate the `dsn` data set in the correct format and ensure its accessibility
2. Retry the mission, operation or request.

**CTDE0BI RESOURCE LIBRARY `dsn` IS SUBMITTED FOR HSM RECALL. PLEASE RETRY YOUR REQUEST AFTER A FEW MINUTES**

**Explanation:** The required resource library, `dsn`, has been migrated by HSM.

This message may be issued during a DO screen operation or the processing of a Control-D/WebAccess request.

A request is issued to HSM RECALL to recall `dsn` and make it available.

**Corrective Action:** Wait for a few minutes, and then retry the operation or reissue the request.
CTDE0CE ERROR WHILE PROCESSING RESOURCE LIBRARY. F=req L=dsn M=memName. IOAMEM RC+RSN=rsn

**Explanation:** A complicated error occurred during one of the following:
- a decollation mission: the mission ends NOT OK
- a DO screen operation: the operation fails
- the processing of a Control-D/WebAccess request: the request fails

The variables in this message are:
- *req* - the code of the request
- *dsn* - the data set name of the relevant resource library
- *memName* - the name of the resource member that is being processed
- *rsn* - the combined return and reason code received from IOAMEM

**Corrective Action:** Contact your INCONTROL administrator.

CTDE0DE ALLOCATION ERROR FOR THE RESOURCE LIBRARY *dsn*. RSN=rsn

**Explanation:** A required resource library could not be accessed.

The variables in this message are:
- *dsn* - the data set name of the required resource library
- *rsn* - the dynamic allocation failure reason code

This error message may be issued during any of the following:
- a decollation mission: the mission ends NOT OK
- a DO screen operation: the operation fails
- the processing of a Control-D/WebAccess request: the request fails

**Corrective Action:** Contact your INCONTROL administrator.

CTDE0EE HSM RECALL ERROR FOR THE RESOURCE LIBRARY *dsn*. RC=rc

**Explanation:** A request to recall a required resource library was submitted to HSM RECALL to ensure its accessibility, but the request failed.

The variables in this message are:
- **dsn** - the name of the required resource library that was the subject of the failed HSM request
- **rc** - the return code received from HSM
- If this message was issued during a decollation mission, the mission ends NOT OK.
- If this message was issued during a screen DO operation, the operation fails.
- If this message was issued during the processing of a Control-D/WebAccess user request, the request fails.

**Corrective Action:** Contact your INCONTROL administrator.

**CTDE10E INVALID VALUE, USE "Y" OR "N"**

**Explanation:** Invalid value specified in the field. The cursor points to the field that contains the invalid value.

**Corrective Action:** Select Y for Yes, or N for No.

**CTDE11E PARAMETER MEMBER $$TRNRES IS TOO LARGE**

**Explanation:** The size of the $$TRNRES member exceeds the allowed maximum.

The Control-D monitor fails and the decollation mission ends NOTOK.

**Corrective Action:** Decrease the size of the $$TRNRES member.

**CTDE12E RESOURCE LIBRARY HAS AN INCORRECT FORMAT**

**Explanation:** The Control-D resource library has an inappropriate RECFM or LRECL value.

Control-D uses the CTD RESLIB library to store resources used for Control-D Transformer. The name of the CTD RESLIB library is saved in the User file, which causes a limitation during upgrade (you need to use a constant data set name in all releases). To prevent incorrect use of different CTD RESLIB library names, Control-D installs RESLIB with an incorrect RECFM parameter.

The system performs one of the following actions:

- The decollation mission ends NOTOK.
- The online environment fails with one of more of the following messages: IOAE42E, MAN85ES.

**Corrective Action:** If the message was issued after upgrade to a new release, in order to use CTD RESLIB from the previous release, do the following:

1. Delete the CTD RESLIB allocated in the new environment.
2. In the IOADSNL member of the IOA PARM library, add a reference to the relevant CTD RESLIB data set.

If you did not previously work with transformers, create a new CTD RESLIB file for resource management, as follows:

3. Delete the CTD RESLIB allocated during installation.
4. Use job CTDFRESL to allocate a new file.
CTDE13E RESOURCE LIBRARY ACCESS ERROR

**Explanation:** An internal error occurred while accessing the Control-D resource library. It may be supplemented with system messages explaining the cause of the problem in more detail. The Control-D monitor fails and the decollation mission ends NOTOK.

**Corrective Action:** Contact your INCONTROL administrator.

CTDE14E PROCESSING MEMBER $$TRNRES FAILS

**Explanation:** A general error occurred while processing the Control-D resource library. It is supplemented with other IOA messages explaining the cause of the problem in more detail. The Control-D monitor fails and the decollation mission ends NOTOK.

**Corrective Action:** Contact your INCONTROL administrator.

Messages CTDF00 through CTDFxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDF01I CDAM CLEAN-UP UTILITY STARTED

**Explanation:** This information message indicates the normal start of the CTDCCU Control-D utility. This utility identifies CDAM files that can be deleted from disk because they are no longer referenced by the Active User Report List file.

**Corrective Action:** No action is required.

CTDF01S INSUFFICIENT STORAGE FOR TRANSFER SUBTASK

**Explanation:** A request for additional storage to attach a new transfer subtask failed. The request is ignored, and the transfer subtask is not stored. Other processing continues.

**Corrective Action:** Increase the value of the REGION parameter to increase the region size.

CTDF02I CDAM CLEAN-UP UTILITY ENDED OK

**Explanation:** This information message is the normal end message of the CTDCCU Control-D utility CTDCCU. This utility identifies CDAM files that can be deleted from disk because they are no longer referenced by the Active User Report List file.

**Corrective Action:** No action is required.

CTDF02S ERROR IN DYNALLOC FUNCTION: *func RC =rc rsn*

**Explanation:** An error occurred under FTO Application Server during the attempted dynamic allocation of an output SYSOUT or CDAM data set, and the allocation failed.

The variables in this message are:
func - the failed function
rc - the return code
rsn - the reason code

For more information on the return code and reason code, refer to IBM manuals about interpreting dynamic allocation error return and reason codes.

The SYSOUT or CDAM data set is not created.

Corrective Action: Do the following:
1. Try to correct the error, using the information provided by the return code and reason code.
2. If you cannot solve the problem, note the values of func, rc, and rsn, and contact BMC Software Customer Support.

CTDF03S CDAM CLEAN-UP UTILITY ENDED WITH ERRORS

Explanation: The CTDCCU Control-D utility ended with errors. The sysout of the job should contain other messages detailing the reasons.

The utility stops executing with a return code which depends on the severity of the error.

Corrective Action: Check the previous error message or messages, correct the problem and rerun the job.

CTDF05E OPEN OF INPUT FILE FAILED. DDNAME "DACCUI N"

Explanation: Open of the file containing input parameters failed (the DACCUI N DD statement). This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

It may be due to one of the following:
• The DACCUI N DD statement is missing.
• The data set pointed to by the DACCUI N DD statement cannot be opened for sequential read.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the JCL and rerun the job.

CTDF05S text

Explanation: An error occurred during transmission of a file to the PC. The message text (text) describes the reason for the problem.

The file is not transmitted.

Corrective Action: Correct the problem, and restart the File Transfer monitor.

CTDF06I FILES ARE TRANSMITTED OK FOR USER userId IPA=ipAdd:port FILE=fileName.CDM

Explanation: This information message indicates that the specified files were successfully transmitted to the PC.
The variables in this message are:

- `userId` - the identity of the user to whom the report belongs
- `ipAdd` - the IP address
- `port` - the port number
- `fileName` - the name of the file being transferred

**Corrective Action:** No action is required.

**CTDF0AI** FILE TRANSFER STARTED. FOR USER `userId:PA=ipAdd :port` FILE=`fileName.CDM`

**Explanation:** This information message is displayed when the File Transfer monitor starts to transfer a package to the identified IP address.

The variables in this message are:

- `userId` - the identity of the user to whom the report belongs
- `ipAdd` - the IP address
- `port` - the port number
- `fileName` - the name of the file being transferred

**Corrective Action:** No action is required.

**CTDF0BI** WAITING FOR CTDDELRP OR RESTORE JOB TO TERMINATE

**Explanation:** This information message indicates that the CTDCCU utility is waiting for a CTDDELRP job or a restore job to terminate before the utility can resume executing.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

**Note:**
To ensure data integrity, do not run the CTDCCU utility concurrently with a CTDDELRP job or a restore job.

When the contending job terminates, the CTDCCU utility resumes processing.

**Corrective Action:** No action is required.

**CTDF0CI** UNRECOVERABLE ERROR ENCOUNTERED.

**Explanation:** During the operation of the File Transfer monitor, an unrecoverable error occurred when access was attempted to the Active Transfer file.

The File Transfer monitor shuts down.

**Corrective Action:** Contact your INCONTROL administrator.
CTDF0DS SECURITY VIOLATION IN THE FILE TRANSFER MONITOR.

**Explanation:** A serious error occurred while the File Transfer monitor was working. The transfer of the package was rejected by a security exit, or by User Exit 23.

Every transfer request is sent to both the security exit and the user exit, if they exist. Either exit can reject a transfer request.

The package is not transferred.

**Corrective Action:** If you consider that you ought to have authority to transfer the package, contact your INCONTROL administrator.

CTDF0EW ATF IS REFRESHED. SUBTASK IPA=IP address IS CLOSED.

**Explanation:** This warning message is issued when the transfer process fails because the status of the corresponding record in the ATF can not be updated. It can occur if a package, whose time has come for transfer, can not find the corresponding record in the ATF because it was reformatted and refreshed during the NEWDAY process.

CTDFTM continues to work and the subtask with the specified IP address is closed.

**Corrective Action:** If the package remains at the status NOT TRANSMITTED, reorder the package.

CTDF10E OPEN OF SORT FILE FAILED. DDNAME ddName

**Explanation:** The site sort utility, which was invoked by the CTDCCU Control-D utility, failed to open the data set pointed to by the ddName DD statement. This error message is issued by the CTDCCU Control-D utility, which identifies CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

CTDF11E INVALID RETURN CODE FROM SORT. RC=rc

**Explanation:** The sort utility of the site, which was invoked by the CTDCCU Control-D utility, has ended with errors.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.

**Corrective Action:** Refer to the sort messages of the job and to the user guide for the sort facility used at your site. Call your system programmer for assistance if necessary.

CTDF12E INVALID RETURN CODE FROM IDCAMS

**Explanation:** The site IDCAMS program, which was invoked by the CTDCCU Control-D utility, has ended with errors. The error is usually caused by corrupted data in the system catalog.

This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.
Corrective Action: Use TSO command LIST C LVL (prefix) HISTORY to produce more detailed messages about the problem and correct accordingly.

CTDF13E OPEN OF WORK FILE FAILED. DDNAME "DAWORK"

Explanation: The CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file, failed to open the Work List file (the DAWORK DD statement).

Possible causes are:
- The DAWORK DD statement is missing.
- The data set pointed to by the DAWORK DD statement cannot be opened for sequential write.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the JCL and rerun the job.

CTDF14E INVOCATION OF PROGRAM pgm FAILED. PROGRAM COULD NOT BE ACCESSED

Explanation: Invocation of the pgm program ended with errors. This error message is issued by the CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file.

The utility stops executing with a condition code of 08.

Corrective Action: Look for previous error messages which describe the type of error. Call your system programmer for assistance if necessary.

CTDF20E OPEN OF SCRATCH FILE FAILED. DDNAME "DASCRLST"

Explanation: The CTDCCU Control-D utility, which is used to identify CDAM files that are no longer referenced by the Active User Report List file, was unable to open the Scratch List file (the DASCRLST DD statement).

Possible causes are:
- The DASCRLST DD statement is missing.
- The data set pointed to by the DASCRLST DD statement cannot be opened for sequential write.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the JCL and rerun the job.

CTDF20I COPYING APAPARM LIBRARY TO LIBRARY WITH RECFM VARIABLE STARTED

Explanation: This information message indicates that the CTDCNVAP utility started copying the APAPARM library to a library with variable RECFM.

Corrective Action: No action is required.
CTDF21I COPYING APAPARM LIBRARY TO LIBRARY WITH RECFM VARIABLE ENDED OK

Explanation: This information message indicates that the CTDCNVAP utility successfully finished copying the APAPARM library to a library with variable RECFM.

Corrective Action: No action is required.

CTDF22S COPYING APAPARM LIBRARY TO LIBRARY WITH RECFM VARIABLE ENDED WITH ERRORS

Explanation: When attempting to copy the APAPARM library to a library with variable RECFM, the CTDCNVAP utility ended with errors.

Corrective Action: Notify your INCONTROL administrator.

CTDF24S UNABLE TO READ DIRECTORY. INSUFFICIENT STORAGE

Explanation: The CTDCNVAP utility could not copy the APAPARM library to a library with variable RECFM because of insufficient storage.

Corrective Action: Notify your INCONTROL administrator.

CTDF26S UNABLE TO READ A MEMBER FROM THE APAPARM LIBRARY

Explanation: Due to an internal error while attempting a read operation, the CTDCNVAP utility could not copy a member from the APAPARM library to a library with variable RECFM.

Corrective Action: Notify your INCONTROL administrator.

CTDF27S UNABLE TO PUT A MEMBER TO THE NEW APAPARM LIBRARY

Explanation: Due to an internal error while attempting a write operation, the CTDCNVAP utility could not copy a member from the APAPARM library to a library with variable RECFM.

Corrective Action: Notify your INCONTROL administrator.

CTDF28S INPUT APAPARM LIBRARY IS EMPTY

Explanation: The CTDCNVAP utility could not copy a member from the APAPARM library to a library with variable RECFM because the input library is empty.

Corrective Action: Notify your INCONTROL administrator.

CTDF30E INTERNAL CONSOLE ERROR. FUNCTION func. RETURN CODES rc, rc. REASON CODE rsn. USING THE INTERNAL CONSOLE TERMINATES

Explanation: An error occurred when using the extended MCS console.

Control-D terminates the extended MCS console and starts using a standard method for preventing the mixing of chunks during deferred printing.

Corrective Action: Keep a system log of the problem, and a job log of the Control-D printer monitor. It is recommended to stop, then restart, the Control-D monitor to prevent a possible mixing chunks problem.
CTDF31I THE INTERNAL OPERATOR CONSOLE IS ACTIVATED

**Explanation:** This information message is generated when Control-D activates an extended MCS console to prevent the mixing of chunks during deferred printing.

When APPLY is set to YES for optional wish WD2624, Control-D uses an extended MCS console to prevent the mixing of chunks during deferred printing.

**Corrective Action:** No action is required.

CTDF32E NO RESPONSE OF INTERNAL CONSOLE. USING THE CONSOLE TERMINATES

**Explanation:** There is no response from the extended MCS console used by Control-D to prevent the mixing of chunks during deferred printing.

Control-D stops using the extended MCS console and starts using a standard method for preventing the mixing of chunks during deferred printing.

**Corrective Action:** Keep a system log of the problem, and a job log of the Control-D printer monitor. It is recommended to stop, then restart, Control-D monitor to prevent a possible mixing chunks problem.

CTDF40I ACIF PRINTING INTERFACE STARTED

**Explanation:** This information message indicates that the Control-D ACIF Interface Facility has started for a report being processed by the Printing Mission that issued the message.

A report destined for PC file transfer that was decollated with the ACIF CDAM parameter set to YES will be converted by ACIF into AFP Category 5 data stream format.

The Printing Mission begins initialization of the ACIF Interface Facility.

**Corrective Action:** No action is required.

CTDF41I ACIF PRINTING INTERFACE COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the Control-D ACIF Interface Facility has successfully converted a report being processed by the Printing Mission that issued the message.

A report destined for PC file transfer that was decollated with the ACIF CDAM parameter set to YES was converted by ACIF into AFP Category 5 data stream format.

The Printing Mission terminates processing of the ACIF Interface Facility and completes processing of the report.

**Corrective Action:** No action is required.

CTDF42E ACIF PRINTING INTERFACE ENDED IN ERROR

**Explanation:** The Control-D ACIF Interface Facility encountered an error condition while attempting to convert a report being processed by the Printing Mission that issued the message.

This message is followed by the ACIF43E and ACIF44E messages that describe the cause of the error.

The Printing Mission terminates processing of the ACIF Interface Facility and ends in error.

**Corrective Action:** Examine the ACIF43E and ACIF44E messages to determine why the Control-D ACIF Interface Facility ended in error and correct the problem accordingly.
CTDF43E CODE=err_cod, R15=reg_15, R0=reg_0, R1=reg_1

Explanation: The Control-D ACIF Interface Facility encountered an error condition while attempting to convert a report being processed by the Printing Mission that issued the message. This message displays the Control-D internal error code and the contents of registers 15, 0 and 1 at the time of error.

The variables in this message are:

- **err_cod** - the Control-D internal error code
- **reg_15** - the contents of register 15
- **reg_0** - the contents of register 0
- **reg_1** - the contents of register 1

The Control-D ACIF Interface Facility issues this message in combination with the ACIF44E message to describe the error and to assist in diagnosing its cause.

The Control-D ACIF Interface Facility terminates processing of the report. The Printing Mission ends in error.

Corrective Action: Examine the ACIF44E message for a description of the problem encountered.

CTDF44E descr

Explanation: The Control-D ACIF Interface Facility encountered an error condition while attempting to convert a report being processed by the Printing Mission that issued the message. This message displays a text description of the error encountered.

The Control-D ACIF Interface Facility issues this message in combination with the ACIF43E message to describe the error and to assist in diagnosing its cause.

The Control-D ACIF Interface Facility terminates processing of the report. The Printing Mission ends in error.

Corrective Action: Use the information displayed in this message and in the ACIF43E message to determine the cause of the error and correct the problem. If the problem persists, contact your INCONTROL administrator.

CTDF45I MAXIMUM CONCURRENT ACIF PRINTING MISSIONS ALREADY EXECUTING

Explanation: This information message indicates that the Control-D ACIF Interface Facility is temporarily unavailable because, within a Print monitor address space, the maximum number of Printing Missions that can concurrently use the facility has been reached.

The Control-D ACIF Interface Facility limits the total number of ACIF subtasks that can execute at the same time. This limit is defined by means of customization setting WD2375. The wait interval is defined by means of customization setting WD2377.

When the time specified in the wait interval has elapsed, the Printing Mission again tries to access the Control-D ACIF Interface Facility.

Corrective Action: No action is required.
CTDF46I WAITING FOR AN EXECUTING ACIF PRINTING MISSION TO COMPLETE

**Explanation:** This information message indicates that the Printing Mission detected that the maximum number of ACIF subtasks permitted to execute simultaneously has been reached.

The Control-D ACIF Interface Facility limits the total number of ACIF subtasks that can execute at the same time. This limit is defined by means of customization setting WD2375. The wait interval is defined by means of customization setting WD2377.

When the time specified in the wait interval has elapsed, the Printing Mission again tries to access the Control-D ACIF Interface Facility.

**Corrective Action:** No action is required.

CTDF47E MAXIMUM RETRIES LIMIT TO START AN ACIF PRINTING MISSION REACHED

**Explanation:** The Printing Mission failed to access the Control-D ACIF Interface Facility after making the maximum number of attempts allowed.

The Control-D ACIF Interface Facility was being used by the maximum number of ACIF subtasks allowed to execute concurrently. The Printing Mission tried to access the Control-D ACIF Interface Facility without success more than the maximum retry value specified by means of customization setting WD2378.

The Printing Mission ends in error.

**Corrective Action:** Increase the maximum retry value specified by means of customization setting WD2378 and/or increase the wait interval value specified by means of customization setting WD2377. Reorder the Printing Mission. If the problem persists, contact your INCONTROL administrator.

CTDF48W ACIFPARM MEMBER memName NOT FOUND - SEARCHING FOR MEMBER $$$$DFLT

**Explanation:** No matching member was found in the Control-D ACIFPARM library for the report being processed by the Control-D ACIF Interface Facility.

Control-D failed to find an ACIFPARM library member whose name matches either the report's job, Printing Mission or Recipient name. The member name search convention used is determined by the setting of optional wish WD2376. The default is J for job name.

Control-D will attempt to obtain default ACIF execution parameters from the $$$$DFLT ACIFPARM member.

**Corrective Action:** Check the setting for optional wish WD2376. Add a member to the ACIFPARM library with the appropriate name or verify that the default ACIF execution parameters in the $$$$DFLT ACIFPARM member are appropriate for the report.

CTDF49W ACIF ISSUED WARNING MESSAGES - PROCESSING CONTINUES

**Explanation:** The Control-D ACIF Interface Facility has detected that ACIF completed processing with a noncritical return code of 4.
The Control-D ACIF Interface Facility has successfully completed converting the report to AFP Category 5 data stream format. However, a warning condition was detected by ACIF that may affect the data stream's contents.

**Corrective Action:** Inspect the ACIF message output to determine the cause of the warning and whether or not its effect on the report data stream can be ignored.

**CTDF63W ACTIVE MISSIONS FILE IS NEARLY FULL**

*Explanation: Highlighted, unrollable message.*

The Active Missions file is over 90% full. When the Active Missions file is 90% full, Control-D alerts the user. If the Active Missions file is 100% full, new missions cannot be ordered.

**Corrective Action:** Notify the INCONTROL administrator. The Active Missions file size should be increased.

**CTDF64I PLEASE NOTIFY THE IOA ADMINISTRATOR**

*Explanation: Highlighted, unrollable message.*

Usually issued after a severe Control-D error which needs to be handled by an experienced Control-D person.

**Corrective Action:** Call your IOA administrator immediately.

**CTDF90S OPEN OF DDCARD ddName FAILED**

*Explanation: Open for the ddName DD statement pointing to the password member failed.*

Possible causes are:

- The ddName DD statement is missing.
- The file allocated to the ddName DD statement is not a sequential file nor a member in a PDS.

Authorization to access the product is denied.

**Corrective Action:** Correct the JCL statement for the procedure or the allocations for the CLIST.

**CTDF91S PASSWORD MEMBER TOO LARGE (DD ddName)**

*Explanation: The password member (or sequential data set) has too many lines.*

In this message, ddName is the identity of the DD statement that points to the password member. Authorization to access the product is denied.

**Corrective Action:** Remove unnecessary lines from the member.

**CTDF92S SYNTAX ERROR IN PASSWORD MEMBER (DD ddName)**

*Explanation: A syntax error was found in the password member. When this message is issued by the monitor, it is generally followed by message CTDF9DS, which describes the erroneous line in the member.*

In this message, ddName is the identity of the DD statement that points to the password member. Authorization to access the product is denied.
Corrective Action: Correct the text in the password member.

CTDF93S VALUE ERROR IN PASSWORD MEMBER (DD ddName)

Explanation: A field in the password member contains invalid data. When this message is issued by the monitor, it is generally followed by message CTDF9DS, which describes the erroneous line in the member.

In this message, ddName is the identity of the DD statement that points to the password member.

Authorization to access the product is denied.

Corrective Action: Correct the text in the password member.

CTDF94S PASSWORD INVALID, PLEASE RECHECK PASSWORD MEMBER (DD ddName)

Explanation: Data in the password member was not consistent with the specified password.

In this message, ddName is the identity of the DD statement that points to the password member.

Authorization to access the product is denied.

Corrective Action: Check the contents of the password member against the text received from BMC Software Customer Support. If it checks, contact the representative.

CTDF95S PASSWORD FOR Control-x IS ABOUT TO EXPIRE IN n DAYS

Explanation: Highlighted, unrollable message.

The password expiration period is about to end. An expiration date is specified in the password member for the product.

Corrective Action: Contact BMC Software Customer Support for a new password.

CTDF96S PASSWORD FOR Control-x HAS EXPIRED

Explanation: Highlighted, unrollable message.

The password expiration period has ended.

An expiration date is specified in the password member for the product.

Authorization to access the product is denied.

Corrective Action: Contact BMC Software Customer Support for a new password.

CTDF97S INTERNAL ERROR OCCURRED ON DD ddName. PLEASE NOTIFY THE IOA ADMINISTRATOR

Explanation: An internal error has occurred while analyzing the password member pointed to by the ddName DD statement.

Authorization to access the product is denied.

Corrective Action: Notify the IOA administrator.
CTDF98S OBLIGATORY FIELD MISSING FROM PASSWORD MEMBER (DD ddName)

**Explanation:** An obligatory field is missing from a password member.

The `ddName` DD statement points to the password member. The fields PROD, START, CPUID, PASS and TYPE should appear at least once in a password member. For Control-D/WebAccess Server, the CTD_PC_USERS field is also obligatory.

Authorization to access the product is denied.

**Corrective Action:** Check the contents of the password member against the text received from your INCONTROL administrator.

CTDF9AS PASSWORD FOR Control-x NOT DEFINED IN MEMBER (DD ddName)

**Explanation:** The member pointed to by the `ddName` DD statement does not contain the password for the appropriate product.

In this message, `ddName` is the identity of the DD statement that points to the password member.

Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this product.

CTDF9BS AUTHORIZATION PERIOD HAS NOT STARTED YET (DD ddName)

**Explanation:** The start date of the password has not yet arrived.

The `ddName` DD statement points to the password member. The START field contains the starting date of the password.

Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this period.

CTDF9CS CPUID/MODEL NOT FOUND IN AUTHORIZED CPU LIST (DD ddName)

**Explanation:** The current CPU is not defined in the CPU list.

The `ddName` DD statement points to the password member. Each entry in the CPU list in the password member contains the CPUID of the CPU and its model.

Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this CPU.

CTDF9DS CARD = text

**Explanation:** This message supplies additional information for a previous error message.

This message may appear after the CTDF92S or CTDF93S message which indicates an error has occurred in one of the lines of the password member. The CTDF9DS message displays the erroneous line.

**Corrective Action:** See the CTDF92S or CTDF93S messages.
CTDF9ES PASSWORD DDCARD ddName POINTS TO A NON EXISTING MEMBER (ABEND S013-18)

**Explanation:** The *ddName* DD statement is allocated to a nonexisting member in a PDS file.
In this message, *ddName* is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.

**Corrective Action:** Correct the name of the member in the DD statement or create a member with the specified name.

CTDF9FS PASSWORD FOR Control-x EXPIRED, TEMPORARY AUTHORIZATION GRANTED

**Explanation:** The password for Control- x has expired. Nonetheless, Control- x can be run on the current date.
Despite password expiration, Control- x can be run on the 28th, 29th, 30th, 31st, 1st, 2nd, and 3rd days of each month for special purposes.
Control- x processing continues.

**Corrective Action:** Contact BMC Software Customer Support to obtain password renewal.

Messages CTDG00 through CTDGxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDG01E INDEX CREATION ERROR. RC = rc, INTERNAL RC = \( int_{\text{rc}} \), REASON = \( rsn \)

**Explanation:** Control-V was unable to create an index file.
Even though the index file is not created, the decollated report is produced.
Possible values for *rc* are shown in the following table:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>20</td>
<td>Insufficient space on the volumes to create the index file.</td>
</tr>
<tr>
<td>28</td>
<td>Size of the index file calculated internally is not big enough for all entries.</td>
</tr>
<tr>
<td>40</td>
<td>Dynamic allocation error.</td>
</tr>
<tr>
<td>44</td>
<td>Dynamic deallocation error.</td>
</tr>
<tr>
<td>48</td>
<td>Sort error.</td>
</tr>
</tbody>
</table>
INCONTROL for z/OS Messages Manual

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>Internal error.</td>
</tr>
</tbody>
</table>

This message is followed by the REPG06E message.

The index is not created.

**Corrective Action:** Take appropriate actions to correct the problem associated with the specified return code:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Increase the REGION size of the Control-D or Control-V Decollation monitor.</td>
</tr>
<tr>
<td>20</td>
<td>Clear space on the volumes defined for index files in Control-V Installation Parameters or add another volume to the Control-V Installation Parameters.</td>
</tr>
<tr>
<td>28</td>
<td>First check that definition of every subindex is correctly defined in the decollation mission. If this is not the source of the problem, contact BMC Software Customer Support with the decollation mission definition and sample pages of the report.</td>
</tr>
<tr>
<td>40</td>
<td>For a description of the return code received, see the IBM manual <em>MVS Programming: Authorized Assembler Services Guide</em>. If you cannot resolve the problem, record the return code, internal return code and reason code. Contact BMC Software Customer Support.</td>
</tr>
<tr>
<td>44</td>
<td>Take the same action outlined for return code 40 above.</td>
</tr>
<tr>
<td>48</td>
<td>Check the sort messages in the Control-D or Control-V Decollation monitor sysout. If you cannot resolve the problem, record the sort messages and contact BMC Software Customer Support.</td>
</tr>
<tr>
<td>other</td>
<td>Record the return code, internal return code and reason code and contact BMC Software Customer Support.</td>
</tr>
</tbody>
</table>

**CTDG01S ACTION SUSPENDED. PREVIOUS ACTION PENDING**

**Explanation:** Option H (Hold), F (Free), D (Delete), R (Rerun) or C (Change) was requested for a Report decollating mission. The status of the mission, as displayed on the Status screen, has not been updated completely by all the Control-D monitors.

This message is relevant only for Report decollating missions that can be processed by any active Control-D monitor (that is, the MONITOR field of the Report decollating mission definition was left blank).

The request is ignored.

**Corrective Action:** Try again later.
CTDG10E PLACE CURSOR ON REPORT LINES

**Explanation:** The user pressed **PF06** in order to specify a new tag note. However, the cursor is not on a report line. When specifying a new tag note, the cursor must point to the report line for which a note will be written.

**Corrective Action:** Place cursor in the desired position within a report line.

CTDG11E SPECIFY END POSITION FOR NOTE STRING, OR PF5 TO CANCEL

**Explanation:** **PF6** was pressed to define a new tag note. The Control-D Notepad Facility is waiting for further actions. To define a new tag note, specify start and end positions in the string for which a note will be written. Specify start and end positions separately, by setting the cursor in the desired position, and pressing **PF6**.

**Corrective Action:** Put cursor at the end of the specified string, or press **PF5** to cancel the current tag note specification.

CTDG12E MULTIPLE LINES ARE NOT ALLOWED FOR NOTE

**Explanation:** Start and end positions for the tag note string are specified on different report lines. In the current release of the Control-D Notepad Facility, start and end positions for the tag note string must be specified in the same report line.

**Corrective Action:** Specify start and end positions for the tag note string in the same report line.

CTDG13E INTERNAL ERROR WHEN SPECIFYING A NEW NOTE

**Explanation:** An internal program error was detected by the Control-D Notepad Facility when specifying a new tag note.

**Corrective Action:** Call BMC Software Customer Support.

CTDG14E RULER CHANGED. TO GET INVISIBLE NOTES PRESS PF6

**Explanation:** The ruler was changed, and there were tag notes defined for the old ruler. After applying the new ruler, tag note strings are moved to other positions.

Specify tag notes after a ruler is defined, verified and applied to a report, because tag notes are related to the applied ruler.

If the strings being moved by a new ruler are related to tag notes, they will not be marked as note strings.

**Corrective Action:** In order to have these strings marked as note strings in their former positions, press **PF6**. After that the notes will be available.

CTDG15E PLEASE ENTER THE REQUIRED DATA

**Explanation:** You must specify the Restore Mission name in the displayed Restore Window when you request restoration of a report.

**Corrective Action:** Specify the Restore Mission name.
CTDG16E CANNOT GIVE TO THE SAME USER

**Explanation:** The user name specified in the GIVETO Option prompt window is the user name to which the report belongs. The GIVETO Option allows a copy of a report to be given to another user but not to the owner of the report.

**Corrective Action:** Specify another user name in the GIVETO Option prompt window or cancel the GIVETO request by specifying N (for NO) in the CONFIRM field of the GIVETO window.

CTDG17I REPORT GIVEN TO user2: jobName / user1 / reportName

**Explanation:** This information message indicates the normal completion of the GIVETO Option (option G) of the User Report List screen.

**Corrective Action:** No action is required.

CTDG18I REPORT VIEWED FROM fileType FILE, RC=rc: jobName / JOBID / userName / reportName

**Explanation:** This information message indicates that a VIEW request was performed. The text of the message specifies the report name, job name, jobID, user name, file type, and return code.

**Corrective Action:** No action is required.

CTDG21E LOAD FAILURE OF XCOMJOB MODULE

**Explanation:** The FT Control monitor could not load the XCOMJOB module.

The FT Control monitor shuts down.

**Corrective Action:** Make sure XCOMJOB exists on the STEPLIB DD statement of the CTD2AS4 member in the PROCLIB library.

CTDG22E DYNALLOC FAILURE. DSN=dsn

**Explanation:** The data set identified by dsn could not be dynamically allocated.

The FT Control monitor shuts down.

**Corrective Action:** If the DSN name is the AS4LOG file, ensure that the AS4LOG file exists with that data set name. Otherwise, notify BMC Software Customer Support.

CTDG24E BAD RETURN CODE FROM XCOM, RC=rc

**Explanation:** XCOM is currently not available.

The FT Control monitor continues its regular cycles, issuing requests to the XCOM server.

**Corrective Action:** Check XCOM availability. Refer to the Application Program Interface chapter in the XCOM manual. If XCOM stops and restarts between FT Control monitor cycles, the transfer process will continue.

CTDG25E FAILURE LOADING CTDAS4US

**Explanation:** The Control-D AS/400 Users Table (CTDAS4US) was not loaded.
The FT Control monitor shuts down.

**Corrective Action:** Make sure that the library pointed to by the AS4NMDD DD name includes the CTDAS4US member.

**CTDG29I** INVALID MODIFY *num* (where *num* is COMMAND or TIME INTERVAL)

**Explanation:** This message indicates that an invalid MODIFY command was issued. The FT Control monitor continues without modification.

**Corrective Action:** Reissue the MODIFY command with the correct syntax.

**CTDG2BI** MONITOR STOPPED

**Explanation:** This information message indicates that the FT Control monitor stopped due to operator request. The FCMD2AS4,STOP or P CTD2AS4 command was executed.

The FT Control monitor shuts down.

**Corrective Action:** Use the S CTD2AS4 command to restart the file Transfer monitor when the report packet transfer process should resume.

**CTDG2EE** IOA LOG NOT AVAILABLE

**Explanation:** Attempt to open the IOA Log file failed.

The FT Control monitor shuts down.

**Corrective Action:** Notify your local INCONTROL administrator.

**CTDG30I** THE REPORT IS BEING RECALLED. PLEASE TRY LATER

**Explanation:** This information message indicates that some or all of the CDAM files of the report to be viewed or printed migrated, and are not immediately available. At installations using DF/HSM, a request for online viewing or printing of a report causes sending direct HSM recall request for the HSM migrated files. Optional wish WD1623 defines whether the running program should wait for request completion or continue running and try to access the report later.

HSM recall request is sent to recall these migrated CDAM files for later access. Then, according to optional wish WD1623, either wait for the request completion or continue running.

**Corrective Action:** Wait until the recall request has successfully completed. Then, according to optional wish WD1623, either regain access to the report or try again to view the report.

**CTDG31E** YOU ARE NOT AUTHORIZED TO SPECIFY THIS PARAMETER

**Explanation:** Online Viewing Security Exit 4 denied your request to display a report list by setting a non-zero return code when called with function code SELFUNC. Function code SELFUNC normally grants or denies access to display a report list depending on the selection criteria specified on the Option U Selection screen.

**Corrective Action:** Modify the selection criteria on the Option U Selection screen or contact your IOA or security administrator to determine why the request was denied.
CTDG32E NO INDEX EXISTS FOR THIS REPORT

**Explanation:** Option X to list a report indexes in the Index Window was specified in the Active Report List screen but the selected report has no index.

**Corrective Action:** Define one or more indexes with DO INDEX statements in the Report Decollation Mission if this report should be indexed.

CTDG3AE DYNAMIC ALLOCATION OF INDEX FILE FAILED, REASON CODE=rc

**Explanation:** Control-D or V failed to dynamically allocate an index file.

The index file is not allocated.

**Corrective Action:** For a description of the return code received, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*. If you cannot resolve the problem, record the reason code and contact BMC Software Customer Support.

CTDG4GE CTVX001 COULD NOT ACCESS INDEXES

**Explanation:** The CTVX001 exit, could not retrieve an index value from a non-Control-V index file.

The system stops.

**Corrective Action:** Contact BMC Software Customer Support.

CTDG61E ERROR IN FUNCTION NAME WHILE CALL CTDAMFM

**Explanation:** The function requested during a call to the CTDAMFM module was invalid.

The request fails.

**Corrective Action:** Specify a valid function for the CTDAMFM module.

CTDG62E NOT ENOUGH MEMORY FOR GETMAIN IN CTDAMFM

**Explanation:** There was not enough memory in the CTDAMFM module to perform GETMAIN.

The request fails.

**Corrective Action:** Specify the region size as 0.

CTDG63E ERROR WHILE LOADING CTDAMFM LOAD MODULE

**Explanation:** An error occurred during an attempt to load the CTDAMFM module. Either the CTDAMFM module is not in the appropriate library, or there was not enough space to load it.

Formatting of the Active Mission file (AMF) stops.

**Corrective Action:** Ensure that the CTDAMFM module exists in the appropriate library, and that there is enough space to load it.
CTDG66S INVALID VALUE IN PARAMETER DBFILE. VALID VALUES ARE: ACT, PRM, HST, MIG, MG1-MG9

**Explanation:** The DBFILE parameter in the CTDDIB utility is not set to ACT, PRM, HST, MIG or MG n. The CTDDIB utility creates an index file from an existing data file. The user tried to run the CTDDIB utility without a valid DBFILE parameter.

The CTDDIB utility terminates.

**Corrective Action:** Rerun the CTDDIB utility after setting the DBFILE parameter to ACT, PRM, HST, MIG, or MG n depending on the type of file for which the index is being created, as follows:

- **ACT** - Active User file
- **PRM** - Permanent User file
- **HST** - History User file
- **MIG** - Migrated User file
- **MG n** - Migrated User file partition, where n is the partition number

CTDG8NE INVALID EXPDATE PARAMETER

**Explanation:** An invalid date is specified in the EXPDATE parameter or this parameter is specified in the PROD mode, although it must only be specified in the TEST mode.

The CTVCLMIG utility ends with a return code of 12.

**Corrective Action:** Correct the EXPDATE parameter and rerun the utility.

CTDGA0I DELETE OF UNNEEDED INDEX FILES STARTED

**Explanation:** This information message identified that the CTVDELI utility began execution. This utility scans the Migrated User Report List file and erases index files and index records that are no longer needed.

**Corrective Action:** No action is required.

CTDGA1I DELETE OF UNNEEDED INDEX FILES ENDED OK

**Explanation:** This information message indicates that the CTVDELI utility finished executing without errors. This utility scans the Migrated User Report List file and erases index files and index records which are no longer needed.

**Corrective Action:** No action is required.

CTDGA2S DELETE OF UNNEEDED INDEX FILES ENDED WITH ERRORS

**Explanation:** The CTVDELI utility ended with errors. This utility scans the Migrated User Report List file and erases index files and index records that are no longer needed. The problem is described in one or more preceding messages.

The CTVDELI utility terminates with a return code of 08.

**Corrective Action:** Check preceding error messages, correct the problem, and rerun the job.
CTDGA4E INVALID PARAMETER: - parm

Explanation: The parm parameter is not valid for the CTVDELI utility. This message is issued by the CTVDELI Control-V utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Correct the parameter syntax and resubmit the job. For more information, see the CTVDELI utility in the INCONTROL for z/OS Utilities Guide.

CTDGA5E MISSING PARAMETER AFTER: - parm

Explanation: A subparameter of the parm parameter is missing. This message is issued by the CTVDELI Control-V utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Correct the parameter syntax, and resubmit the job. For more information, see the CTVDELI utility in the INCONTROL for z/OS Utilities Guide.

CTDGA6E REDUNDANT PARAMETER: - parm

Explanation: The parm parameter is specified more than once in the CTVDELI utility. This message is issued by the CTVDELI Control-V utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Remove the redundant parameter, and resubmit the job. For more information, see the CTVDELI utility in the INCONTROL for z/OS Utilities Guide.

CTDGA7E OPEN OF MIGRATED USER REPORTS LIST FILE FAILED. DDNAME "DAVMIG"

Explanation: Open of the Control-V Migrated User Report List file failed. This file is referenced by the DAMIG DD statement. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file and erases index files that are no longer needed.

Possible causes are:

- The DAMIG DD statement is missing.
- The data set referenced by the DAMIG DD statement is not a Control-V Migrated User Report List file.
- The Migrated User Report List file referenced by the DAMIG DD statement belongs to another monitor, or was produced by a different version of Control-V.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Correct the JCL for the CTVDELI utility, and rerun the job. For more information, see the CTVDELI utility in the INCONTROL for z/OS Utilities Guide.

CTDGA8E OPEN OF PARAMETERS FILE FAILED. DDNAME DADELIN

Explanation: Open of the Parameters file for the CTVDELI utility failed. Possible causes are:
▪ The DADELIN DD statement is missing.
▪ The data set referenced by the DADELIN DD statement cannot be opened for sequential read.

The CTVDELI utility terminates with a condition code of 12.

**Corrective Action:** Correct the JCL, and rerun the job. For more information, see the CTVDELI utility in the *INCONTROL for z/OS Utilities Guide*.

**CTDGA9E** OPEN OF SORT FILE FAILED. DDNAME *ddName*

**Explanation:** The SORT utility invoked by the CTVDELI utility failed to open the data set referenced by the *ddName* DD statement.

The CTVDELI utility stops.

**Corrective Action:** Ensure all DD statements are valid, and rerun the CTVDELI utility. For more information, see the CTVDELI utility in the *INCONTROL for z/OS Utilities Guide*.

**CTDGAAE** INVALID RETURN CODE FROM SORT, RC=rc

**Explanation:** The internal sort program ended with errors. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file and erases index files that are no longer needed. The utility uses the site sort program.

The CTVDELI terminates with a condition code of 08.

**Corrective Action:** Check the explanations of the sort messages for the job in the manual for your sort facility.

**CTDGABI** WAITING FOR A CTDDELRP, RESTORE OR ANOTHER CTVDELI JOB TO TERMINATE

**Explanation:** This information message indicates that the CTVDELI utility is waiting for a CTDDELRP job, a restore job, or another CTVDELI job to terminate.

The CTVDELI utility scans the Migrated User Report List file, and erases index files that are no longer needed. To ensure data integrity, CTVDELI cannot run concurrently with the CTDDELRP utility, a restore job, or another CTVDELI job.

When the contending job terminates, the CTVDELI utility resumes processing.

**Corrective Action:** No action is required.

**CTDGACE** NO INPUT PARAMETERS WERE SUPPLIED

**Explanation:** The CTVDELI utility did not receive input parameters by way of the SYSIN DD statement. The CTVDELI utility scans the Migrated User Report List file, and erases index files that are no longer needed. The utility requires input parameters indicating which actions it should perform.

The CTVDELI utility terminates with a condition code of 08.

**Corrective Action:** Verify that input parameters are specified by way of the SYSIN DD statement. Rerun the CTVDELI utility.
**CTDGADI *** PARM=TEST SPECIFIED - SIMULATION MODE ***

**Explanation:** This information message indicates that the CTVDELI utility is running in SIMULATION mode. In SIMULATION mode, the CTVDELI utility produces a report that indicates which indexes would have been deleted if the utility were running in PRODUCTION mode.

**Corrective Action:** Examine CTVDELI output to determine if the proper indexes would have been deleted from disk. Make any changes required to prevent the incorrect deletion of indexes that are needed for any reason. Rerun the utility in PRODUCTION mode to actually delete unneeded indexes from disk.

**CTDGAEE LOCATE ERROR FOR INDEX dsn**

**Explanation:** The CTVDELI utility encountered index dsn, which could not be located, possibly because the data set is not cataloged. The CTVDELI utility scans the Migrated User Report List file and erases unneeded index files.

The index with the data set name dsn is not deleted.

**Corrective Action:** Determine why the data set could not be located. Correct the problem. Rerun the CTVDELI utility if necessary.

**CTDGAFE ERROR DELETING INDEX dsn - FILE SKIPPED**

**Explanation:** The CTVDELI utility encountered the dsn index, which could not be deleted. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

Possible causes include the following:

- The data set was not found on the device indicated in the catalog.
- The device on which the data set exists is not online.

The dsn index is not deleted.

**Corrective Action:** Determine why the data set could not be deleted. Correct the problem. Rerun the job if necessary.

**CTDGAGE ERROR UNCATALOGING INDEX dsn - FILE SKIPPED**

**Explanation:** The CTVDELI utility encountered the dsn index, which could not be uncataloged. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The index is not uncataloged.

**Corrective Action:** Determine why the data set could not be uncataloged. Correct the problem. Rerun the job if necessary.

**CTDGB6I NO VALUES EXIST FOR THIS INDEX**

**Explanation:** This information message indicates that no values of the specified index appear in the user’s report.

**Corrective Action:** No action is required.
**CTDGB7E INVALID MEDIA SPECIFIED FOR REPORT**

**Explanation:** A migrated report could not be accessed because the media to which it was migrated was not found. The $SYSDATA entry that corresponds to this migrated report specifies a migrated media which does not appear in the IOASPRM.

The migrated report is not accessed.

**Corrective Action:** Have your INCONTROL administrator correct the IOASPRM to reference the migrated media that appears in the $SYSDATA entry.

**CTDGB8E NO $SYSDATA ENTRIES EXIST FOR THIS USER ENTRY**

**Explanation:** The user attempted to handle (view, print, and so on) a report by means of a user entry but no corresponding $SYSDATA entry was found. The $SYSDATA record was probably deleted manually.

The user cannot view, print, and so on, the report.

**Corrective Action:** No action is required.

**CTDGB9E INVALID VALUE. USE "Y", "N" OR "B"**

**Explanation:** The user entered an invalid value. The only values that are valid for this field are Y, N, or B.

**Corrective Action:** Correct the value entered.

**CTDGBAE INVALID VALUE - FIELD NUMBER MUST BE 1 TO 12**

**Explanation:** The value in the field is not valid. The value in this field must be from 1 through 12.

The SORT command is not performed.

**Corrective Action:** Correct the value specified for this field, and try again.

**CTDGBBE INVALID VALUE - SORT ORDER MUST BE "A" OR "D"**

**Explanation:** The value that specifies the sort order is not valid. The value that specifies the sort order must be A (ascending) or D (descending).

The SORT command is not performed.

**Corrective Action:** Enter A or D to specify the sort order, and try again.

**CTDGBCE TOO MANY PARAMETERS - UP TO 5 FIELDS CAN BE USED IN SORT**

**Explanation:** More than five fields specify the sort. The SORT command supports a maximum of five sort fields.

The SORT command is not performed.

**Corrective Action:** Redefine the sort using a maximum of five fields, and try again.
CTDGBDE INVALID PARAMETER - SHOULD BE FIELD # (1-12) AND "A" OR "D"

**Explanation:** The sort field number is invalid, or the sort order, or both. Each field number must be a value from 1 through 12, and the sort order must be either A (ascending) or D (descending).

The SORT command is not performed.

**Corrective Action:** Correct the values, and try again.

CTDGBEE FILL FIELD NUMBER

**Explanation:** The sort field number is missing. At least one sort field, and no more than five, must be specified.

The SORT command is not performed.

**Corrective Action:** Enter at least one value to specify the sort field, and no more than five, and try again.

CTDGBFS INTERNAL PROGRAM ERROR IN SORT

**Explanation:** An internal error occurred in the sort program. At least one sort field, and no more than five, must be specified.

The SORT command is not performed.

**Corrective Action:** Ask your INCONTROL administrator to report this error to BMC Software Customer Support.

CTDGBGE CANNOT EDIT RULER - NO CORRESPONDING REPORT FOUND

**Explanation:** Attempt to edit a ruler failed, because no report entry exists that corresponds to the ruler.

**Corrective Action:** Either create a report entry that corresponds to the selected ruler, or create a ruler for the report entry you would like to edit by specifying ‘E’ next to the report entry.

CTDGBHE PRINT RULER *rulerName* DOES NOT EXIST FOR THIS USER/REPORT/JOB

**Explanation:** The *rulerName* print ruler was not located. A print ruler with the specified name was not defined or the ruler name was misspelled.

The report is not printed.

**Corrective Action:** Verify that the desired ruler exists and is spelled correctly. If necessary, define the ruler, use another ruler that is already defined, or print the report without a ruler.

CTDGBIE COMMAND SPAGE NOT SUPPORTED WHEN VIEWING WITH INDEX

**Explanation:** The SPAGE command was specified during viewing of a report with an index. Command SPAGE is not supported for viewing a report with an index.

The command is not performed.
**Corrective Action:** To print a report section pointed to by an index value, use either of the following:
- the PRINT option from the List of Index Values panel
- the PRINT command from the Quick Access panel.

**CTDGBJ1** COMMAND "VALUE" NOT APPLICABLE WHEN VIEWING WITHOUT AN INDEX

**Explanation:** This information message indicates that the command VALUE was entered to display the currently selected index value, but no index value had been used to view the report. If an index value is not used to view a report, the whole report is viewed and this command is not applicable.

The command is not performed.

**Corrective Action:** No action is required.

**CTDGBKE** "TO PAGE" IS GREATER THAN NUMBER OF PAGES IN REPORT (reportName)

**Explanation:** The value of the TO PAGE parameter specified in the Print window is greater than the number of pages in the reportName report. The maximum value for the TO PAGE parameter is the number of pages in the report.

The reportName report is not printed.

**Corrective Action:** Specify a valid TO PAGE value in the Print window, and try again.

**CTDGBLE CANNOT ACCESS NOTES - INTERNAL ERROR IN LINE NUMBERS**

**Explanation:** Tag notes for the report being viewed cannot be accessed because of an internal error. Each tag note is associated with a string in the report. The line numbers for the page are not correct. Therefore, the tag note strings cannot be located.

The tag notes and associated strings are not displayed.

**Corrective Action:** Record the report for which the error occurred and the actions taken while viewing the report. Contact BMC Software Customer Support.

**CTDGBME CANNOT ACCESS NOTES - INTERNAL ERROR IN PAGE NUMBER TRANSLATION**

**Explanation:** The tag notes of the report cannot be accessed because of an internal error. Each tag note is associated with a string in the report. The page number in which the string appears was not calculated correctly because of an internal error. Therefore, the tag note strings cannot be located.

The tag notes and associated strings are not displayed.

**Corrective Action:** Record the report for which the error occurred and the actions taken while viewing the report. Contact BMC Software Customer Support.
CTDGBKNE NOTE CREATION FAILED - SPECIFY A STRING FROM THE ORIGINAL REPORT

**Explanation:** A tag note cannot be created for the specified string. Each tag note is associated with a string in the original report, before it was edited by a Control-D ruler.

A tag note cannot be associated with any of the following types of strings:

- A string on an inserted line.
- A string that comes from a paste line (in the ruler definition), in a line that has column edit instructions.
- A string that does not start and end in the same ‘Cut’ group, in a line that has column edit instructions.

The Notepad window is not displayed for note creation.

**Corrective Action:** Choose a different string to associate with the tag note.

CTDGBOE $SYSDATA RECORDS NOT SUPPORTED UNDER J CL ARCHIVING

**Explanation:** The value $SYSDATA was specified in the USER parameter in display type J of the Control-D or Control-V USER REPORTS ENTRY PANEL. It is not possible to display $SYSDATA records when using display type J (the JOB ARCHIVE display).

The User Report list is not displayed.

**Corrective Action:** Specify a valid user name or leave the USER parameter empty. To display $SYSDATA records, change the display type.

CTDGBPE UNABLE TO VIEW THIS REPORT - SOME COMPRESSED DATASET EXTENTS ARE MISSING

**Explanation:** Attempted to view a report stored in a CDAM file failed because at least one CDAM file extent is missing. It was probably deleted from the disk manually or by another process.

The report is not displayed.

**Corrective Action:** Attempt to find and restore any missing file extents.

CTDGBQE "WRAP" MODE AVAILABLE ONLY WITH "SHOWCC" MODE "ON"

**Explanation:** WRAP was requested when SHOWCC was turned OFF. SHOWCC must be ON, when WRAP is requested.

WRAP is not activated.

**Corrective Action:** Set SHOWCC ON, and request WRAP again.

CTDGBRE RULERS NOT AVAILABLE WITH "WRAP" MODE

**Explanation:** WRAP was specified for a report when a ruler was turned ON. WRAP is not available when a ruler is turned ON.

WRAP is not activated.

**Corrective Action:** Turn OFF the ruler to use WRAP.
CTDGBSE INTERNAL ERROR DURING NOTE CREATION

**Explanation:** An internal error caused the application to try to create an empty note, or a note longer than 80 characters. A note cannot be empty or longer than 80 characters. The note is not created.

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support for assistance.

CTDGBTE ERROR ACCESSING `fileName`, RC=`rc`

**Explanation:** An error occurred while information was being read from the `fileName` CDAM file. The return code (`rc`) indicates why the error occurred.

Valid values for `rc`, and their explanations, are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>No data found</td>
</tr>
<tr>
<td>8</td>
<td>No space for data vector</td>
</tr>
<tr>
<td>12</td>
<td>Error during access of the active user file</td>
</tr>
<tr>
<td>20</td>
<td>Invalid function</td>
</tr>
<tr>
<td>24</td>
<td>Internal error in converting vsa</td>
</tr>
<tr>
<td>28</td>
<td>Insufficient memory to load the note pad</td>
</tr>
<tr>
<td>32</td>
<td>ENQ (enqueue) or dequeue error</td>
</tr>
<tr>
<td>36</td>
<td>USER not authorized to add, delete or update note</td>
</tr>
<tr>
<td>40</td>
<td>Record to replace or delete not found</td>
</tr>
<tr>
<td>080204</td>
<td>CDAM processing error. For more details, see CTD922E or CTD926E messages in the job log.</td>
</tr>
</tbody>
</table>

The report is not displayed.

**Corrective Action:** Ask your INCONTROL administrator for help.

CTDGBUI ADD USER `recipient` ADDED TO `username` / `jobName` / `reportName` IN `{ACT | PRM}` FILE

**Explanation:** This information message is issued if a recipient was added to the ADDITIONAL USER field.

ACT is the Active User Reports file.

PRM is the Permanent User Reports file.
Corrective Action: No action is required.

CTDGBVI ADD USER recipient DELETED FROM userName / jobName / reportName IN {ACT | PRM} FILE

Explanation: This information message is issued if a recipient was deleted from the ADDITIONAL USER field.

- ACT is the Active User Reports file.
- PRM is the Permanent User Reports file.

Corrective Action: No action is required.

CTDGBWI ADD USER recipient1 REPLACED BY recipient2 IN userName / jobName / reportName IN {ACT | PRM} FILE

Explanation: This information message indicates that the ADDITIONAL USER field was modified.

- ACT is the Active User Reports file.
- PRM is the Permanent User Reports file.

Corrective Action: No action is required.

CTDGBXE ERROR ACCESSING CDAM FILE RC=rc

Explanation: An error occurred during a read of a CDAM file. The return code (rc) indicates why the error occurred.

Valid values for rc, and their explanations, are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>End of data sets</td>
</tr>
<tr>
<td>8</td>
<td>Point error</td>
</tr>
<tr>
<td>12</td>
<td>Get error</td>
</tr>
<tr>
<td>16</td>
<td>Unrecognized request</td>
</tr>
<tr>
<td>20</td>
<td>Allocation error</td>
</tr>
<tr>
<td>24</td>
<td>Open error</td>
</tr>
<tr>
<td>28</td>
<td>Subsystem not operational</td>
</tr>
<tr>
<td>32</td>
<td>Wrong data read from the file</td>
</tr>
<tr>
<td>36</td>
<td>Unrecognized cache routine name</td>
</tr>
</tbody>
</table>

497
<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>56</td>
<td>Invalid media specified for report</td>
</tr>
</tbody>
</table>

The file is not accessed.

**Corrective Action:** Ask your INCONTROL administrator for assistance.

**CTDGBYE CDAM SUBSYSTEM IS NOT ACTIVE**

**Explanation:** A CDAM request was not performed because the CDAM subsystem was not active. The request is not performed.

**Corrective Action:** Run the IOASINIT procedure to start the CDAM subsystem.

**CTDGBZE ERROR IN noterecord - RC = rc**

**Explanation:** An error occurred during access of a Note record noterecord in the Active User file. A return code (rc) of 32 indicates an error during access of the Active User file. The note is not accessed.

**Corrective Action:** Run the CTDGIR utility to check the integrity of the Active User file.

**CTGDG0I CONTROL-V JCL ARCHIVING STARTED**

**Explanation:** This information message indicates that the CTVJAR Job Archiving utility has started.

**Corrective Action:** No action is required.

**CTGDG1I CONTROL-V JOB ARCHIVING ENDED O.K.**

**Explanation:** This information message indicates that the CTVJAR Job Archiving utility ended successfully.

**Corrective Action:** No action is required.

**CTGDG2I CONTROL-V JOB ARCHIVING FAILED**

**Explanation:** This information message indicates that the CTVJAR Job Archiving utility failed. Other messages generated in response to the failure describe the cause for the failure. Job archiving ends.

**Corrective Action:** Examine all messages issued by the Job and correct the failure. If necessary, correct the input and rerun the CTVJAR Job Archiving utility.

**CTGDG3I *** PARM=TEST SPECIFIED - SIMULATION MODE *****

**Explanation:** This information message indicates that the CTVJAR Job Archiving utility was run in TEST mode. CTVJAR was activated using the TEST parameter in the PARM field of the executive statement. When CTVJAR is active in TEST mode, no updates are performed to the Active User file. Only a report is created.

**Note:**
If the user sets the SYNC parameter to YES in CTVJAR, active generic decollation will close the recently created CDAM file. The active generic decollation will wait for new decollations until the CTVJAR Job Archiving utility is terminated.

No updates are performed to the Active User file. A report is created.

**Corrective Action:** Do the following:

1. Check the results of the TEST mode run.
2. If results are acceptable, rerun the CTVJAR utility with PARM set to PROD.

**CTDGD4E INVALID RETURN CODE FROM SORT, RC=rc**

**Explanation:** The CTVJAR Job Archiving utility received an invalid return code from the SORT utility. CTVJAR called the SORT utility to sort the entry being consolidated, but the sort failed.

In this message, \( rc \) is the invalid return code.

The system terminates the CTVJAR utility.

**Corrective Action:** Examine the messages generated by the SORT utility for a description of the problem. Correct the problem and rerun the CTVJAR utility.

**CTDGD5E OPEN OF SORT FILE FAILED. DDNAME "SORTIN"**

**Explanation:** The CTVJAR Job Archiving utility was unable to open the file referenced by the SORTIN DD statement. Either the SORTIN DD statement is missing from the JCL of CTVJAR, or the definition of the SORTIN DD statement is invalid.

The CTVJAR utility terminates.

**Corrective Action:** Correct the DD statement and rerun the CTVJAR utility.

**CTDGDC6E CTDRPUF FAILED. RC: rc**

**Explanation:** Control-V called the CTDRPUF routine to create a report entry in the Active User file of the newly archived report. However, CTDRPUF was unable to create the new report.

In this message, \( rc \) is the CTVJAR return code.

CTVJAR processing continues with the next report.

**Corrective Action:** Check the IOA log for all messages generated for this failure. If the cause for the failure remains unclear, contact BMC Software Customer Support.

**CTDGDEE INVALID PARAMETERS RECEIVED FROM USER. RC =rc**

**Explanation:** There are invalid parameters in the SYSIN file. This is a summary message. Preceding messages clarify the error. The CTVJAR Job Archiving utility issues the return code \( rc \).

The system terminates job archiving.

**Corrective Action:** Check all messages generated for this error. Correct the input parameters, and rerun the CTVJAR Job Archiving utility.
CTDGDFE THE PARAMETER parm MUST BE SPECIFIED FOR JOBARC UTILITY

**Explanation:** The user attempted to execute the CTVJAR Job Archiving utility without specifying the parm parameter. The parm parameter is mandatory for CTVJAR.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Add the parm parameter and rerun the CTVJAR utility.

CTDGE0E INVALID PARAMETER: - parm

**Explanation:** An invalid parameter was specified in the parameter statement for the CTVJAR Job Archiving utility.

In this message, parm is the invalid parameter that was specified.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Correct the values in the PARM statement, and rerun the CTVJAR Job Archiving utility.

CTDGE1E REDUNDANT PARAMETER: - parm

**Explanation:** The parm parameter was specified more than once in the input for the CTVJAR Job Archiving utility. The parm parameter can be specified only once in the input for this utility.

In this message, parm is the redundant parameter specified by the user.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Ensure that the parm parameter is specified only once, and rerun the CTVJAR Job Archiving utility.

CTDGE2E ERROR IN PARAMETERS: FODATE IS HIGHER THAN TODATE

**Explanation:** A later date value was specified in FODATE than in TODATE in the input for the CTVJAR Job Archiving utility. The FODATE and TODATE parameters indicate a date range for reports to be consolidated by CTVJAR. A date range is valid only if FODATE is earlier than, or the same as, TODATE.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Ensure that the date value specified for FODATE is not later than the date value for TODATE. Rerun CTVJAR.

CTDGE3E INVALID DATE SPECIFIED:= ddName

**Explanation:** An invalid date value was specified in the ddName DD statement in the input for the CTVJAR Job Archiving utility.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Check and correct the date value and rerun the CTVJAR utility.
INCONTROL for z/OS Messages Manual

CTDGE4E NO USER RECORDS FOUND FOR -fileName

**Explanation:** Control-V found a SYSDATA record for the fileName CDAM file. However, the fileName CDAM file contained no user records that corresponded to the SYSDATA record. In the input for the CTVJAR Job Archiving utility, the user specified a CDAM file that contained no user records in the input for the CTVJAR utility.

In this message, fileName is the name of the problematic CDAM file.

The CTVJAR utility ignores the SYSDATA record, and continues processing normally.

**Corrective Action:** Check why the user records are missing. If the user records were deleted using the U screen, restore user records from a backup.

CTDGE6E CTVXVAL FAILED FOR - indexFile - SEE OTHER ERROR MESSAGES

**Explanation:** The CTVXVAL internal routine was unable to process the indexFile index file.

The system skips the index file, and continues processing.

**Corrective Action:** To determine the cause, check the other messages generated by the failure of CTVXVAL.

CTDGE8E CTDTRE FAILED RC: 08

**Explanation:** An internal routine failed with a return code of 08. The CTVJAR Job Archiving utility uses the CTDTRE routine to determine the validity of each user name supplied by the user for the consolidated report.

The CTVJAR utility terminates.

**Corrective Action:** Determine the cause by checking preceding error messages generated by the failure. Verify that the user tree is properly defined and rerun the CTVJAR utility.

CTDGE9E USER NAME userName IS NOT FOUND IN TREE. JOB ARCHIVING WILL NOT BE PERFORMED

**Explanation:** The userName user name could not be found by the CDTRE utility. The CTVJAR Job Archiving utility uses the CTDTRE utility program to determine the validity of the user name supplied by the user for the consolidated report. The userName user name was specified by the USER parameter of the CTVJAR utility, but could not be found in the Control-D recipient tree.

CTVJAR terminates.

**Corrective Action:** Correct the user parameter and rerun CTVJAR.

CTDGEEE THERE ARE TOO MANY MATCHING CDAM DATASETS KEPT OPEN BY CONTROL-D MONITORS. UTILITY TERMINATES.

**Explanation:** The CTVJAR Job Archiving utility terminated execution without creating consolidated reports. This occurred under option SYNC=NO, because too many CDAM datasets matching selection criteria are opened by the Control-D decollation monitor.

**Corrective Action:** Execute the utility with parameter SYNC=YES.
CTDGF01 PAGES num1 TO num2 ARE SELECTED FOR INCLUSION

**Explanation:** This information message indicates that the SPAGE command with the INCLUDE parameter was issued during online viewing of a report. The range of pages identified in the message is printed after exit from online viewing.

**Corrective Action:** No action is required.

CTDGF11 PAGES num1 TO num2 ARE SELECTED FOR EXCLUSION

**Explanation:** This information message indicates that the SPAGE command with the EXCLUDE parameter was issued during online viewing of a report. The range of pages identified in the message is not printed after exit from online viewing.

**Corrective Action:** No action is required.

CTDGF21 ALL PAGES HAVE BEEN UNSELECTED

**Explanation:** This information message indicates that the SPAGE RESET command was issued during online viewing of a report. No pages are printed after exit from online viewing.

**Corrective Action:** No action is required.

CTDGF3E text

**Explanation:** The specified error occurred while a report was being viewed online, during processing of the SPAGE command.

Possible values of text are:
• INTERNAL ERROR - SPGB PARAMETER ADDRESS IS ZERO
• UNABLE TO OBTAIN STORAGE FOR INITIAL SPAGE BLOCK
• UNABLE TO OBTAIN PROGRAM WORK AREA STORAGE
• INTERNAL ERROR - REPORT RECORD PARAMETER ADDRESS IS ZERO
• SECURITY EXIT DENIED ACCESS TO THE SPAGE COMMAND
• UNABLE TO RELEASE EXCESS STORAGE OF EXISTING SPAGE BLOCK
• UNABLE TO OBTAIN STORAGE FOR EXTENDED SIZE SPAGE BLOCK
• UNABLE TO RELEASE STORAGE OF COPIED SPAGE BLOCK
• INTERNAL ERROR - FUNCTION ID PARAMETER ADDRESS IS ZERO
• INTERNAL ERROR - FUNCTION ID CODE IS INVALID
• INTERNAL ERROR - WORD COUNT PARAMETER ADDRESS IS ZERO
• INTERNAL ERROR - CURRENT PAGE PARAMETER ADDRESS IS ZERO
• PARAMETER NOT RECOGNIZED - CORRECT THE COMMAND AND TRY AGAIN
• INTERNAL ERROR - WORD LIST PARAMETER ADDRESS IS ZERO
• INVALID PARAMETER LENGTH - CORRECT THE COMMAND AND TRY AGAIN
• INVALID PAGE NUMBER - SPECIFY A NUMBER FROM 1 TO 99999999
• START PAGE NUMBER MUST BE SPECIFIED BEFORE END PAGE NUMBER
• START PAGE NUMBER MUST NOT BE GREATER THAN END PAGE NUMBER
• INTERNAL ERROR - SECURITY EXIT CALL ROUTINE ADDRESS IS ZERO
• INTERNAL ERROR - SECURITY EXIT FUNCTION ID ADDRESS IS ZERO
• START PAGE NUMBER GREATER THAN NUMBER OF PAGES IN THE REPORT

The SPAGE command is not processed.

Corrective Action: If possible, fix the problem and try again.

Where space is a problem, try increasing the REGION size.

If these measures fail, do the following:

1. Record the following information:
   • the text of the message
   • the IOA products that are installed at the site
   • all the messages from the IOA log that refer to the report in question
   • where possible, the order of the user actions during viewing of the report

2. Contact BMC Software Customer Support.
CTDGF4E USER $SYSDATA DOES NOT EXIST IN PERMANENT USER FILE

**Explanation:** An attempt has been made to view a $SYSDATA record in the Permanent file, but it does not exist in that file.

**Corrective Action:** No action is required.

CTDGI0S GID INTERFACE ERROR RC=rc PGM pgm_csect ID=xxx FUNCTION func

**Explanation:** An error occurred while accessing the Global Index Database above DB2.

The variables in this message are:
- `rc` - the return code from the CTDGI D interface routine
- `pgm_csect` - the program CSECT, which received the error
- `xxx` - an identifier for localization of erroneous calls
- `func` - the operation that caused the error

Valid values for `rc`, and their explanations, are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Invalid function</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued before value accessing</td>
</tr>
<tr>
<td>56</td>
<td>Error opening the CTDGI DB2 member</td>
</tr>
<tr>
<td>60</td>
<td>Invalid parameter found in the CTDGI DB2 member</td>
</tr>
<tr>
<td>64</td>
<td>Obligatory parameter missing from the CTDGI DB2 member</td>
</tr>
<tr>
<td>68</td>
<td>Duplicate parameter found in the CTDGI DB2 member</td>
</tr>
<tr>
<td>72</td>
<td>More than 10 fields found in a PATH description in the CTDGI DB2 member.</td>
</tr>
<tr>
<td>76</td>
<td>DB2 open error</td>
</tr>
<tr>
<td>80</td>
<td>Accessing path not present in the CTDGI DB2 member</td>
</tr>
<tr>
<td>84</td>
<td>SQL error</td>
</tr>
<tr>
<td>85</td>
<td>SQL error if time-out occurs</td>
</tr>
<tr>
<td>88</td>
<td>Error in loading the DB2 interface module</td>
</tr>
</tbody>
</table>
The system action depends on the identity of the component that was accessing the Global Index database. Usually, the current routine terminates. Additional messages clarifying the source of the error are written to the IOA Log file before this message.

**Corrective Action:** Search the IOA Log file and the relevant job log for messages clarifying the source of the error. Correct the error and restart IOA application server. If the error persists, contact BMC Software Customer Support.

**CTDG11E INVALID FUNCTION**

**Explanation:** The Global Index facility was invoked with an invalid function. The request is not performed.

**Corrective Action:** Request a valid function for the Global Index facility.

**CTDG16E INDEX NAME PATH IS NOT SET**

**Explanation:** A request for an index value was performed before a SETPATH request. SETPATH must be performed before the index value is requested. The SETPATH request fails.

**Corrective Action:** Put the SETPATH request before the request for an index value, and try again.

**CTDGI1AE OPEN OF THE CTDGIDB2 MEMBER FAILED**

**Explanation:** An error occurred while opening the CTDGIDB2 member. The Global Index request is not performed.

**Corrective Action:** Search the relevant job log for messages clarifying the source of the error. Determine whether the CTDGIDB2 member exists in the library pointed to by the DADPARM DD statement. After resolving the problem, either restart the IOA application server or rerun the job, depending on which component was accessing the Global Index database.

**CTDGI1BE INVALID STATEMENT IN CTDGIDB2: statement**

**Explanation:** An invalid statement statement was detected in the CTDGIDB2 member. The Global Index request is not performed.

**Corrective Action:** Correct the CTDGIDB2 member and either restart the IOA application server or rerun the job, depending on which component is accessing the Global Index database.

**CTDGICE OBLIGATORY PARAMETER (DSN, PLAN, PATH OR TABLE) IS MISSING IN CTDGIDB2**

**Explanation:** An obligatory parameter is missing in the CTDGIDB2 member. The obligatory parameters are:
CTDGIDE DUPLICATE STATEMENT IN CTDGIDB2: duplic_stmt

Explanation: A duplicate statement duplic_stmt was detected in the CTDGIDB2 member, although this statement can be specified only once.

Corrective Action: Correct the CTDGIDB2 member and either restart the IOA application server or rerun the job, depending on which component is accessing the Global Index database.

CTDGI EE NUMBER OF FIELDS IN THE PATH num MORE THEN 10

Explanation: Too many fields are specified for path number num. A maximum of 10 fields can be specified.

Corrective Action: Correct the CTDGIDB2 member and either restart the IOA application server or rerun the job, depending on which component is accessing the Global Index database.

CTDGI FE DB2 OPEN ERROR RC=rc RS=rsn

Explanation: An error occurred while opening the DB2 subsystem.

The variables in this message are:

- rc - the return code from the DB2 CAF interface
- rsn - the reason code returned from the DB2 CAF interface

Corrective Action: For the explanation of the return and reason codes, refer to your DB2 documentation. If necessary contact your DB2 administrator.

CTDGI GE {PATH | TABLE} NOT FOUND IN CTDGIDB2:

indexPath|tableName

Explanation: Either the requested index path or the DB2 table was not found in the CTDGIDB2 member.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- `indexPath` - the requested index path
- `tableName` - the name of the requested DB2 table

The Global Index request is not performed.

**Corrective Action:** Do the following:
1. Check the `indexPath` index path name and the `tableName` DB2 table name.
2. Check CTDGIDB2 member and the job input statements, and correct them as necessary.
3. Rerun the job.

**CTDGIHE SQL ERROR**

**Explanation:** DB2 issued a SQL error code.

This message (CTDGIHE) is followed by the DB2 messages, which provide the error code and a detailed explanation of the error.

The Global Index request is not performed.

**Corrective Action:** Do the following:
1. To establish the source of the error, examine the DB2 messages that followed this CTDGIHE message. For clarification of the DB2 messages, refer to your DB2 documentation.
2. Correct the error.
3. Restart the IOA application server or rerun the job, depending on which component is accessing the Global Index database.
4. If necessary contact your DB2 administrator.

**CTDGIJE GETVAL WAS NOT ISSUED BEFORE GETVSA**

**Explanation:** A GETVSA request was issued, but a GETVAL request had not been issued before it.

The possible cause is an internal error in the application that calls the CTDGID interface routine.

The Global Index request is not performed.

**Corrective Action:** Contact your INCONTROL administrator.

**CTDGIJE SQL ERROR**

**Explanation:** An SQL error occurred during inserting line to DB2 table when decollation mission loads data to Global Index database. Control-D decollates the report without loading data to Global Index database. The decollation mission is set to status \textit{ENDED\- NOT "OK" after it is completed.}

**Corrective Action:** Do the following actions:
- Examine the DB2 messages associated with this error to determine the reason for the error and correct the problem.
- Use the CTDGBILD job to load index values from reports decollated by this mission to the Global Index database.
Messages CTDH00 through CTDHxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDH01I CREATION OF PRINT CONTROL-RECORDS STARTED

Explanation: This information message indicates that the CTDBLXRP utility has begun processing. The CTDBLXRP utility rebuilds Print Control Records in the Active User Report List file. Corrective Action: No action is required.

CTDH02I CREATION OF PRINT CONTROL-RECORDS ENDED OK

Explanation: This information message indicates that the CTDBLXRP utility has successfully completed execution. The CTDBLXRP utility rebuilds Print Control Records in the Active User Report List file. The CTDBLXRP utility terminates with a condition code of 0. Corrective Action: No action is required.

CTDH03S CREATION OF PRINT CONTROL-RECORDS ENDED WITH ERRORS

Explanation: The CTDBLXRP utility, which rebuilds Print Control Records in the Active User Report List file, encountered a critical error during execution. The utility terminates with a condition code of 8 or higher. Corrective Action: Check the IOA Log file and system log for previous messages associated with the error. Correct the problem and re-execute the utility.

CTDH07E "FE" PRINT SUPPORT ERROR. RETURN CODE rc FUNCTION func

Explanation: The CTDBLXRP utility, which rebuilds Print Control Records in the Active User Report List file, encountered an error while performing the func function.

The error associated with each return code (rc) is identified below.

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>008</td>
<td>Memory shortage.</td>
</tr>
<tr>
<td>012</td>
<td>Memory shortage.</td>
</tr>
<tr>
<td>016</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>020</td>
<td>Database I/O error.</td>
</tr>
<tr>
<td>024</td>
<td>Open error.</td>
</tr>
</tbody>
</table>

Processing terminates.
Corrective Action: Check the IOA Log file and system log for additional messages associated with the error. Determine the cause of the error, correct the problem, and re-execute the utility. If the problem persists, contact BMC Software Customer Support.

Messages CTDI00 through CTDIxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDI01E ERROR CONNECTING SESSION MANAGER
Explanation: An error was encountered while attempting to connect to the session manager. Printing to the CTDS destination failed because the session manager interface could not establish a connection. The printing job fails.
Corrective Action: Fix the problem and reprint the report.

CTDI02E INSUFFICIENT STORAGE. INCREASE THE REGION SIZE
Explanation: There is insufficient storage available for program processing. The job is not run.
Corrective Action: Increase the value of the REGION parameter and rerun the job.

CTDI03E text
Explanation: This message includes a message text (text) returned from the communication program. This message is issued together with other error messages and clarifies the cause of the problem.
Corrective Action: No action is required.

CTDI04E INTERNAL ERROR SENDING REPORTS TO SESSION MANAGER
Explanation: The session manager interface program was invoked with an invalid argument. The error occurred in the application using the session manager interface. The report is not sent to the session manager.
Corrective Action: Fix the application program.

CTDI05E ERROR IN DEFAULT PARAMETERS CTDSPARM RC=rc
Explanation: An error was encountered while attempting to access the CTDSPARM member in the IOA PARM library. The program cannot read the CTDSPARM member. The attempt to read the CTDSPARM member fails.
Corrective Action: Check if the CTDSPARM member exists in the IOA PARM library, and if the IOA PARM library is allocated.
CTDI06E ERROR IN LOADING TRANSLATION TABLE RC=rc

Explanation: An error was encountered while loading a translation table, for example, from EBCDIC to ASCII.

The printing job fails.

Corrective Action: Correct the problem and rerun the printing job.

CTDI07E ERROR CLOSING CONNECTION WITH SESSION MANAGER

Explanation: An error was encountered during session termination. The session manager interface was not able to terminate the session manager connection.

The printing job fails.

Corrective Action: Fix the connection problem and rerun the printing job.

CTDI08E CTDDS HOST AND/OR PORT ARE NOT SPECIFIED IN CTDSPARM

Explanation: The interface program cannot connect with the session manager, because a default HOST and/or PORT is not defined in the CTDSPARM member.

The connection fails.

Corrective Action: Specify defaults for HOST and PORT.

CTDI09E DYNALLOC ERROR OF THE PAG FILE. RC=rc rsn

Explanation: An error occurred during dynamic allocation of a PAG file in the printing process.

The dynamic allocation request fails.

Corrective Action: Analyze the return and reason code, fix the problem accordingly, and perform the print request again.

CTDI0AE THE SYSDATA RECORD IS NOT FOUND

Explanation: An attempt has been made to print a report to a Control-D/Delivery Server destination by means of a user entry, but no corresponding $SYSDATA entry was found.

The probable cause is that the relevant $SYSDATA record was deleted manually.

The report is not printed to the destination.

Corrective Action: No action is required.

CTDI0BE CLOSING INVERTED COMMA IS OMITTED IN THE CTDSPARM

Explanation: The format of a parameter value in the CTDSPARM member is invalid. The value began with a single quotation mark (') or double quotation marks ("), but did not end with the same type of quotation marks.

The invalid parameter value is ignored. The report is not printed.

Corrective Action: Examine the CTDSPARM member and insert a valid value where necessary.
CTDI0CI REPORT NAME = reportName

**Explanation:** This information message provides the report name for the accompanying message.

**Corrective Action:** Examine the accompanying message and its user response, and take the appropriate corrective action.

CTDI0EE CTDS EXTERNAL DESTINATION dest IS NOT FOUND

**Explanation:** This message is issued when a print mission tries to send a subscription for printing a report or for notification to the Control-D/Delivery Server but the External Destination dest specified in the subscription record does not exist in the External Destinations List.

The report or notification is not sent to the Control-D Delivery Server.

**Corrective Action:**
1. Define the External Destination dest in the External Destinations List (for more details see Control-D and Control-V User Guide) or change the External Destination in the subscription record to one that exists in the External Destination List using CTVUINV utility.
2. Rerun the problematic print mission.
3. If you changed the External Destination to an existing one, change it also in the CTDSPARM member so that this destination is used by the next subscriptions.

CTDI0FW BODY TEXT READ ERROR, MEMBER=memname RC=rc

**Explanation:** The e-mail body text cannot be read from the memname member specified in the BODYTEXT parameter of CTDS DESTINATION ATTRIBUTES. The return code rc can have the following values:
- 04 - the memname member does not contain a section corresponding to the printed report name.
- 08 - the memname member is not found in the IOA BANNERS library

The attached to e-mail report is distributed without an e-mail body text. Print mission or Immediate print ends OK.

**Corrective Action:** Check the BODYTEXT parameter in CTDS DESTINATION ATTRIBUTES and the content of the specified member. Fix the problem and print the report again.

CTDI0GW RECIPIENTS LIST READ ERROR, MEMBER=memname RC=rc

**Explanation:** The e-mail recipients list cannot be read from the memname member specified in the RECIPIENT parameter of CTDS DESTINATION ATTRIBUTES. The return code rc can have the following values:
- 04 - the memname member does not contain a section corresponding to the printed report name.
- 08 - the memname member is not found in the IOA BANNERS library

The report is not distributed to the e-mail addresses specified in the member.

If additional e-mail addresses are specified in the RECIPIENT parameter or in the CTD tree recipient entry, the report is distributed to these e-mail addresses and the Print mission or Immediate print ends with the status OK.

If additional e-mail addresses are not specified, the report is not distributed. The CTDI0HE message follows this message and the Print mission or Immediate print ends with the status NOT OK.
**Corrective Action:** Check the RECIPIENT parameter in CTDS DESTINATION ATTRIBUTES. Fix the problem and print the report again.

CTDI0HE EMPTY RECIPIENTS LIST FOR THE DESTINATION *destname*

**Explanation:** No e-mail addresses are resolved to report distribution when report is printed to CTDS destination of email type.

The report is not distributed and the Print mission or Immediate print ends NOT OK.

**Corrective Action:** Check the IOA Log for additional messages associated with this printing. Check the RECIPIENT parameter specified in the CTDS *destname* Destination Attribute. Fix the problem and print the report again.

**Messages CTDJ 00 through CTDJ xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDJ01I ACTIVATION OF ALTERNATIVE INDEXES STARTED

**Explanation:** This information message indicates that the CTDUFANX utility has activated an alternative index component of a user file.

**Corrective Action:** No action is required.

CTDJ02I ACTIVATION OF ALTERNATIVE INDEXES ENDED COMPLETELY

**Explanation:** This information message indicates that the alternative index component was successfully activated, deactivated, or printed. This message is issued by the CTDUFANX utility.

**Corrective Action:** No action is required.

CTDJ03S ACTIVATION OF ALTERNATIVE INDEXES ENDED WITH ERROR

**Explanation:** An error was encountered during alternative index component activation. This message is issued by the CTDUFANX utility. Other error messages indicate the cause of the error.

The alternative index file is not usable.

**Corrective Action:** Correct the problem, and rerun the CTDUFANX utility to activate the alternative index component.

CTDJ04I ALTERNATIVE INDEXES DEFINITIONS LIST

**Explanation:** This information message indicates the list of alternative index definition statements from the member specified in parameter M of the CTDUFANX utility.

**Corrective Action:** No action is required.

CTDJ05I ALTERNATIVE INDEX *letter* DELETED

**Explanation:** This information message indicates alternative index deactivation. This message is issued by the CTDUFANX utility.
In this message, letter is the letter that identifies the alternative index component.

Corrective Action: No action is required.

CTDJ 06I ALTERNATIVE INDEX letter ADDED

Explanation: This information message indicates alternative index activation. This message is issued by the CTDUFANX utility.

In this message, letter is the letter that identifies the alternative index component.

Corrective Action: No action is required.

CTDJ 07I ACTIVE ALTERNATIVE INDEXES LIST

Explanation: This information message indicates the list of active alternative indexes for the user file specified in the FILE parameter of the CTDUFANX utility.

Corrective Action: No action is required.

CTDJ 08S ILLEGAL DEFINITION: field

Explanation: An error was detected in a field in the definition statement of the definition member specified in parameter M of the CTDUFANX utility.

In this message, field is the illegal field. If field = REC LENGTH, the total length of the index record exceeds the maximum value.

The CTDUFANX utility terminates with a condition code of 24.

Corrective Action: Rerun the CTDUFANX utility after setting the correct definition. For more information, refer to the section that describes the CTDUFANX utility in the INCONTROL for z/OS Utilities Guide.

CTDJ 09S FORBIDDEN INPUT PARAMETER: parm

Explanation: A forbidden parameter was detected for the CTDUFANX utility.

In this message, parm is the forbidden parameter.

The CTDUFANX utility terminates with a condition code of 20.

Corrective Action: Rerun the CTDUFANX utility after setting the correct parameter. For more information, refer to the section that describes the CTDUFANX utility in the INCONTROL for z/OS Utilities Guide.

CTDJ 0AS OPEN ERROR FOR DDNAME ddName.

Explanation: The file that the CTDUFANX utility requested cannot be opened. Possible causes are:

- The DD statement that references the data file is missing.
- The file referenced by the DD statement is not an IOA Access Method data file.
- An internal error occurred while attempting to open the file referenced by the DD statement.

The CTDUFANX utility terminates with a condition code of 8.
Corrective Action: Correct the JCL and rerun the job. If the error persists, notify your INCONTROL administrator.

CTDJ0BI INPUT PARAMETERS: parmList.
Explanation: This information message indicates the input parameters list for CTDUFANX utility.
Corrective Action: No action is required.

CTDJ0CI ALTERNATIVE INDEX letter IS NOT AVAILABLE FOR READ
Explanation: This information message indicates that an alternative index is active but not available for read. As a result, the alternative index cannot be used during a report list request. This message is issued by the CTDUFANX utility.
In this message, letter is the letter that identifies the alternative index.
Corrective Action: If the corresponding User Report List data component contains some reports, rebuild alternative indexes using the CTDDIB utility.

CTDJ0DI ALTERNATIVE INDEX letter IS FORMATTED
Explanation: This information message indicates that an alternative index is active, but contains no index values. This message is issued by the CTDUFANX utility.
In this message, letter is the letter that identifies the alternative index.
Corrective Action: If the corresponding User Report List data component contains some reports, rebuild alternative indexes using the CTDDIB utility.

CTDJ0EI ALTERNATIVE INDEX letter IS NOT FORMATTED
Explanation: This information message indicates that an alternative index component contains some records. This message is issued by the CTDUFANX utility.
In this message, letter is the letter that identifies the alternative index.
Corrective Action: No action is required.

CTDJ0HI ALTERNATIVE INDEX letter IS NOT ACCESSIBLE
Explanation: This information message indicates that an inaccessible alternative index component has been detected by the CTDUFANX utility. This is caused by an internal error.
In this message, letter is the letter that identifies the alternative index.
The CTDUFANX utility terminates with a condition code of 20.
Corrective Action: Check and repair the User Report List database using the CTDDIG utility. If the error persists, notify your INCONTROL administrator.

Messages CTDM00 through CTDMxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
CTDM03S Control-V UNMIGRATE ENDED WITH ERRORS

**Explanation:** The CTVUNMIG Control-V utility ended with errors.
CTVUNMIG terminates.

**Corrective Action:** Check the job log or the IOA log for the other messages generated by this error. Correct the problem, and rerun the CTVUNMIG utility.

CTDM04E LOADING OF Control-\{D | V\} INSTALLATION PARAMETERS FAILED

**Explanation:** Load of the CTDPARM or CTVPARM module failed.
The loading of Control-D or Control-V Installation Parameters failed. Possible causes are:

- The IOA Load library is not in the load modules search list.
- There is insufficient memory to load the IOA Installation Parameters.
- A specified load module does not exist in the Load library.

The CTVUNMIG utility continues without sending messages to the IOA log.

**Corrective Action:** Do the following:
1. To produce messages to the IOA log, try one of the following:
2. If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
3. If the loading failed because of lack of memory, increase the region size.
4. Rerun the CTVUNMIG utility.

CTDM06E INVALID PARAMETER: \textit{parm}

**Explanation:** The user specified an invalid parameter for the CTVUNMIG utility.
The utility stops executing with an error.

**Corrective Action:** Correct the \textit{parm} parameter and rerun the utility.

CTDM07E MISSING PARAMETERS

**Explanation:** The user omitted mandatory parameters from the input to the CTVUNMIG utility.
The CTVUNMIG utility stops executing with an error.

**Corrective Action:** Specify the required parameters and rerun the utility.

CTDM08S UNABLE TO LOAD MODULE \textit{modnam}

**Explanation:** Control-V was unable to load the \textit{modnam} module.
Possible causes are:
**The IOA Load library is not in the load modules search list.**

**Insufficient storage was available to load the module.**

**The \texttt{modnam} module does not exist in the IOA Load library.**

In this message, \texttt{modnam} is the name of the module that could not be loaded.

The system action is determined by the module (\texttt{modnam}):

- If \texttt{modnam} is the \texttt{IOASPRM} module, the CTVUNMIG utility continues without IOA parameters.
- If \texttt{modnam} is the \texttt{LSMCALL} module, the utility stops executing with an error.

**Corrective Action:** No action is required.

- If the IOA Load library is not in the search list, add a \texttt{STEPLIB} DD statement to the library.
- If the loading failed due to lack of memory, increase the \texttt{REGION} size.

Rerun CTVUNMIG.

CTDM10S OPEN OF DDNAME=\texttt{ddName} DSNAME=\texttt{dsn} FAILED

**Explanation:** The user specified a DD name that could not be opened.

The utility stops executing with a condition code of 16.

**Corrective Action:** Check the system log for messages generated in response to this failure. If you are unable to solve the problem, report the contents of the messages to BMC Software Customer Support.

CTDM12I FILE DSNAME=\texttt{dsn} UNMIGRATION ENDED

**Explanation:** This information message indicates that the specified file was successfully unmigrated. \texttt{dsn} is the last extent of a CDAM file that was unmigrated. The unmigrated file can be found on DASD.

**Corrective Action:** No action is required.

CTDM13E MIGRATED FILE EOD REACHED

**Explanation:** This information message indicates that the size of the migrated file did not correspond to the information in the header of that file.

The job stops executing with a condition code of 08.

**Corrective Action:** Contact BMC Software Customer Support and send the complete log of the job.

CTDM20I CONTROL-D FOREIGN REPORT RESTORE ENDED O.K.

**Explanation:** This information message indicates that a foreign report was successfully restored as a Control-D report.

**Corrective Action:** No action is required.

CTDM21E CONTROL-D FOREIGN REPORT RESTORE FAILED

**Explanation:** The CTDFOR utility failed to restore the foreign report file. The CTDFOR utility terminates. The foreign report is not restored.
Corrective Action: Examine other messages to determine the cause of the failure. Fix the problem, and rerun the CTDFOR utility.

CTDM29E REDUNDANT PARAMETER:- parm
Explanation: The same parameter was specified twice for the CTDFOR utility.
The CTDFOR utility terminates.
Corrective Action: Remove the redundant parameter, and rerun the CTDFOR utility.

CTDM2FS UNKNOWN PRODUCT NAME PROVIDED IN PRODUCT= PARAMETER: parm
Explanation: A product name specified in the PRODUCT parameter is unknown to the CTDFOR utility. It is not the name of a product supported by the utility.
The CTDFOR utility terminates.
Corrective Action: Set the PRODUCT parameter to the name of a supported product.

CTDM30E CONVERSION ROUTINE FAILED. RC = rc
Explanation: The conversion routine called by the CTDFOR utility failed to convert the report file to a CDAM file.
The CTDFOR utility terminates.
Corrective Action: Examine other messages to determine the cause for the conversion routine failure. Correct the problem and rerun the CTDFOR utility.

CTDMP0I CTDUFMDV STARTED
Explanation: This information message indicates that the CTDUFMDV utility has started.
Corrective Action: No action is required.

CTDMP1E Migrated USER FILE IS NOT ALLOWED FOR UPDATING
Explanation: Another application (such as the CTDDELRP or CTVCLMIG utilities or a MIGRATION mission) is updating a migrated User Report List file. The CTDUFMDV utility cannot be submitted with the PART parameter at the same time.
The CTDUFMDV utility ends with an error.
Corrective Action: Resubmit the CTDUFMDV utility with the PART parameter again. If the Migrated User File (MUF) became unavailable as a result of the CTDUFMDV utility failure, submit the CTDUFMDV utility with the RESET parameter, to restore full accessibility to the old MUF.

CTDMP2E OPEN OF FILE ddName FAILED
Explanation: The data set referenced by the ddName DD statement could not be opened.
The CTDUFMDV utility ends with an error.
Corrective Action: Check other messages generated by the CTDUFMDV job to determine the cause for the failure. Correct the problem and rerun the utility.
CTDMP3E ORDER OF INPUT PARAMETERS IS INCORRECT

Explanation: The sequence of dates defined in the SYSIN stream for the CTDUFMDV utility, which was submitted with the EXEC statement parameter PART, is not in ascending order.

The CTDUFMDV utility ends with an error.

Corrective Action: Correct the input parameters and rerun the utility.

CTDMP4E FIELD PARM param IS INCORRECT

Explanation: The value of the CTDUFMDV EXEC statement parameter param is not valid.

The CTDUFMDV utility ends with an error.

Corrective Action: Correct the invalid parameter and rerun the utility.

CTDMP5I INPUT PARAMETERS:

Explanation: This information message is issued to the JES log of the job for the CTDUFMDV utility as a header before the following CTDMP6I message or messages.

Corrective Action: No action is required.

CTDMP6I InputStatement

Explanation: This information message displays the input parameters that were specified in the SYSIN stream and issued to JES log of the job for the CTDUFMDV utility.

Corrective Action: No action is required.

CTDMP7E INPUT PARAMETER IS INCORRECT

Explanation: The value of parameter that was displayed in the last CTDMP6I message is not valid.

The CTDUFMDV utility ends with an error.

Corrective Action: Correct the invalid input parameter and rerun the utility.

CTDMP8E INSUFFICIENT MEMORY

Explanation: There is not enough memory available to run the CTDUFMDV utility.

The utility ends with an error.

Corrective Action: Do one of the following:
If the CTDUFMDV utility was submitted with the PART parameter, increase the REGION size and resubmit the utility.

If the CTDUFMDV utility was submitted with the ACT, HST, or MIG parameters, do one or both of the following:

- Decrease the value of the maximum number of VSA records processed by one cycle using the SYSIN stream.
- Increase the REGION size and resubmit the utility.

**CTDMP9E INVALID RETURN CODE FROM SORT, RC=rc**

**Explanation:** A sort program that was activated internally by the CTDUFMDV utility ended with an unexpected return code of rc.

The CTDUFMDV utility ends with an error.

**Corrective Action:** For details about the reason for the failure, refer to the documentation for the sort program and to the job's sort messages.

**CTDMPAE NO $SYSDATA RECORDS FOUND IN THE fileType USER FILE**

**Explanation:** The fileType User Reports List file does not contain any SYSDATA record.

In this message, fileType is the type of User Reports List file. Valid values are:

- ACT
- HST
- MIG

The CTDUFMDV utility ends with an error.

**Corrective Action:** No action is required.

**CTDMPEI CTDUFMDV ENDED OK. fileType USER FILE IS UPDATED.**

**Explanation:** This information message indicates that the CTDUFMDV utility has successfully updated a User Report List file.

In this message, fileType is the type of User Reports List file. Valid values are:

- ACT
- HST
- MIG

**Corrective Action:** No action is required.

**CTDMPFI CTDUFMDV ENDED OK. MIG PARTITIONS ARE CREATED OR UPDATED.**

**Explanation:** This information message indicates that the CTDUFMDV utility has successfully separated an old Migrated User Report List file to different partitions or updated a new Migration User Report List in secondary execution.
Corrective Action: No action is required.

CTDMPGW DUPLICATE RECORD IN NEW FILE. KEY=VSARecordKey
Explanation: A duplicate record was found in the data file. The duplicate record might be the result of an updating target Migrated User Report List after a previous CTDUFMDV execution.
The CTDUFMDV utility continues processing. The duplicate record that was updated first is removed. The record that was updated later contains more current data, and remains in the data file.
Corrective Action: No action is required.

CTDMPHE MIGRATED USER FILE CANNOT BE SEPARATED REPEATEDLY
Explanation: The CTDUFMDV is submitted for Migrated User Report List which was already separated (CTDUFMDV was submitted with parameter PART for the same MUF).
The CTDUFMDV utility ends with an error.
Corrective Action: If you need to separate the original MUF again, first submit CTDUFMDV with the RESET parameter.

CTDMPII NUMBER OF PROCESSED RECORDS: XXXXXXXXXXX
Explanation: This information message displays the number of processed VSA records from Migrated User Report List.
Corrective Action: No action is required.

CTDMPJE SYSIN IS EMPTY
Explanation: This message indicates that no input statements were specified in the SYSIN stream for the CTDUFMDV utility submitted with MODE=PART or (COPYOLD,DATE) or (COPYNEW,DATE).
The CTDUFMDV utility ends with an error.
Corrective Action: Add the required input statements under DD card SYSIN and rerun the utility.

CTDMR0I CTDUFMPR UTILITY STARTED/RESTARTED WITH function FUNCTION IN mode MODE
Explanation: This information message indicates that the CTDUFMPR utility started or restarted with the function specified in the input parameters (COPY or DELETE) in the specified mode (PROD or TEST).
The first time the utility is submitted for a specified function, the term STARTED is displayed in the message.
If the utility did not end with RC=0 in the previous run and now is starting again with the same function, the term RESTARTED is displayed in the message.
An example where the utility does not end with RC=0 is where the utility does not process all the required records in the previous run because the time limit, specified by the TIMELIM parameter, was exceeded.
Corrective Action: No action is required.
CTDMR1E MIGRATED USER FILE IS NOT DIVIDED TO PARTITIONS

Explanation: This error message is issued when the CTDUFMPR utility did not find the MI PART record in the file pointed to by the DAMIG DD statement.
The utility stops with RC=8.
Corrective Action: Check whether the DAMIG DD statement points to the correct Migrated User File. Do not submit the CTDUFMPR utility if the Migrated User file is not divided into partitions.

CTDMR3E INVALID EXEC PARAMETER: parm

Explanation: The parm input parameter specified in the CTDUFMPR utility JCL EXEC statement is not valid.
The utility stops with RC=12.
Corrective Action: Correct the invalid input parameter (parm) in the JCL and resubmit the job.

CTDMR4E UTILITY WITH FUNCTION COPY IS COMPLETED. SUBMIT IT WITH FUNCTION DELETE.

Explanation: This error message is issued when the user submits the CTDUFMPR utility with the COPY function after the COPY stage has already ended with return code 0, but the DELETE stage has not yet been submitted yet.
The utility stops with return code 8.
Corrective Action: Submit the CTDUFMPR utility with the DELETE function to complete the repartition process.

CTDMR5I INPUT SYSIN PARAMETERS:

Explanation: This information message is issued as a header before printing the parameters specified in the SYSIN DD stream. The statements specified in the SYSIN DD stream are printed after this message.
Corrective Action: No action is required.

CTDMR6E INVALID INPUT PARAMETER: parm

Explanation: The parm input parameter, specified in the SYSIN DD stream for CTDUFMPR, is not valid.
The utility stops with RC=12.
Corrective Action: Correct the invalid input parameter (parm) in the JCL and resubmit the job.

CTDMR7E INVALID NUMBER OF INPUT PARTITION DATES

Explanation: The number of new partition last dates specified in the SYSIN DD stream for the CTDUFMPR utility is not equal to the number of existing partitions in the Migrated User file.
The utility stops with RC=12.
Corrective Action: Correct the invalid input parameters specified in the SYSIN DD stream and resubmit the job.
CTDMR8I THERE ARE *n* PARTITIONS IN THE MIGRATED USER FILE

**Explanation:** This information message indicates how many partitions exist in the Migrated User File.

**Corrective Action:** No action is required.

CTDMR9I --- COPY RECORDS TO APPROPRIATE PARTITIONS

**Explanation:** This information message indicates that the CTDUFMPR utility has started the stage of copying records to other Migrated User File partitions. Records located in partitions that do not match the date ranges of the new partitions will be copied to appropriate partitions.

**Corrective Action:** No action is required.

CTDMRAI *nnnnnnnn* RECORDS ARE READ FROM PARTITION *x*

**Explanation:** This information message indicates how many records have been read from partition *x* of the Migrated User File. Such a message is issued only for partitions which are candidates for moving records from them because their date ranges have been changed by the input parameters.

**Corrective Action:** No action is required.

CTDMRB1 *nnnnnnnn* RECORDS ARE COPIED FROM PARTITION *x* TO PARTITION *y*

**Explanation:** This information message indicates how many records have been copied from partition *x* to partition *y* by the CTDUFMPR utility.

**Corrective Action:** No action is required.

CTDMRC1 --- COPY NEW RECORDS ADDED OR UPDATED DURING UTILITY RUNNING

**Explanation:** This information message indicates that the stage of copying the records, which were added or updated while the CTDUFMPR utility was running, has started. The Migrated User File records added or updated in partitions that do not match the date ranges of the new partitions will be copied to appropriate partitions.

**Corrective Action:** No action is required.

CTDMRDE COPY FUNCTION NOT COMPLETED, MUST COMPLETE COPY BEFORE SUBMITTING WITH DELETE FUNCTION

**Explanation:** This error message is issued when the user submits the CTDUFMPR utility with the DELETE function, before the COPY function is submitted and completed.

The utility stops with RC=8.

**Corrective Action:** Ensure that the CTDUFMPR utility with the COPY function has been submitted and completed, before re-submitting the CTDUFMPR utility with the DELETE function.

No action is required.
CTDMREI  nnnnnnnn RECORDS ARE DELETED FROM PARTITION x

Explanation: This information message indicates how many records have been deleted from partition x by the CTDUFMPR utility.

Corrective Action: No action is required.

CTDMRFW UTILITY STOPPED BECAUSE THE TIME LIMIT hhmm WAS EXCEEDED

Explanation: This warning message indicates that the CTDUFMPR utility ended because the time limit, specified in the input parameter, was exceeded. Not all the records, which were specified to be copied or deleted, were processed.

The utility stops with RC=4.

Corrective Action: Re-submit the utility with the same FUNCTION parameter as before.

CTDMRGI PARTITION x LAST DATE: OLD – date1, NEW – date2

Explanation: This information message indicates the existing (OLD) last report date1 for partition x and the new last report date2 that will take its place for partition x after repartition process is completed. The dates are displayed in YYYYMMDD format. The CTDUFMPR utility issues this message for each existing partition of the Migrated User File.

Corrective Action: No action is required.

CTDMRHI CTDUFMPR UTILITY ENDED OK, RC=rc

Explanation: This information message indicates that the CTDUFMPR utility ended without errors. The return code, rc, can be 00 or 04. RC=00 indicates that all the required records of the Migrated User File have been processed and the submitted utility function is completed. RC=04 indicates that the utility stopped because the time limit was exceeded.

Corrective Action: If RC=00, no action is required. If RC=04, re-submit the utility with the same FUNCTION parameter as before.

CTDMRII CTDUFMPR UTILITY ENDED WITH ERRORS, RC=rc

Explanation: This information message indicates that the CTDUFMPR utility ended with errors. Additional error messages, describing the errors, precede this message.

Corrective Action: Perform the actions described in the additional error messages.

CTDMRJI --- DELETING RECORDS COPIED TO OTHER PARTITIONS

Explanation: This information message indicates that the CTDUFMPR utility started the step of deleting the records that were copied to the other Migrated User File partitions.

Corrective Action: No action is required.
CTDMRKE MIGRATED USER FILE IS HELD BY CREATE PARTITIONS OR REPARTITION PROCESS

**Explanation:** This error message is issued by a Control-D application (such as migration mission, CTDDELRP, or CTVCLMIG), which cannot work in parallel with the CTDUFMDV or CTDUFMP utilities when they are updating the Migrated User file partitions. For more information about synchronization of Control-D components with the CTDUFMDV and CTDUFMP utilities, see the INCONTROL for z/OS Administrator Guide.

The Control-D application stops after issuing this message.

**Corrective Action:** Re-submit the stopped Control-D application after CTDUFMDV, with function PART, or CTDUFMPR, with function COPY, is completed.

CTDMRLE CTDUFMPR WITH FUNCTION=DELETE IS NOT STARTED SINCE A RESTORE MISSION IS IN PROCESS

**Explanation:** The CTDUFMPR utility issues this error message, when it is started with the DELETE function while a restore operation from a migrated mission is in process. The DELETE function can only be started after the restore operation has been completed. For more information about synchronization of Control-D components with the CTDUFMPR utilities, see the INCONTROL for z/OS Administrator Guide.

The utility stops with RC=8.

**Corrective Action:** Re-submit the CTDUFMPR utility with the DELETE function after all restore missions are completed.

CTDMRMW PERFORM ACTIONS DESCRIBED IN ADMINISTRATOR GUIDE BEFORE STARTING CTDUFMPR WITH FUNCTION DELETE

**Explanation:** This warning message is issued at the completion of a run of CTDUFMPR utility with the COPY function. It is intended to remind the user that some additional actions must be performed before starting the CTDUFMPR utility with the DELETE function.

The utility ends with RC=0 after issuing this message.

**Corrective Action:** Perform the actions described in the INCONTROL for z/OS Administrator Guide and then submit the CTDUFMPR utility with the DELETE function.

CTDMS01 CTDUPMIS UTILITY STARTED

**Explanation:** This information message indicates that the CTDUPMIS utility started.

**Corrective Action:** No action is required.

CTDMS11 CTDUPMIS UTILITY COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTDUPMIS utility completed successfully.

**Corrective Action:** No action is required.

CTDMS2E CTDUPMIS UTILITY ENDED WITH ERRORS

**Explanation:** This error message indicates that the CTDUPMIS utility discovered problems during processing. Additional information on the problems is available in the job log.
The utility stops.

**Corrective Action:** Examine the job log for error messages describing the problems. Make any necessary corrections and rerun the utility.

**CTDMS3E UPDATE PARAMETER parm IS NOT AVAILABLE SINCE SIMILAR SELECTION PARAMETER IS NOT SPECIFIED**

**Explanation:** The parameter `parm` is specified in the CHANGE TO statement to be updated, but the similar parameter for selecting values to be updated is not specified.

The utility stops.

**Corrective Action:** Correct the input parameters in the JCL and rerun the job.

**CTDMS4E INVALID PARAMETER: parm**

**Explanation:** The `parm` input parameter specified in the JCL for the CTDUPMIS utility is not valid.

The utility stops.

**Corrective Action:** Correct the invalid `parm` input parameter in the JCL and rerun the job.

**CTDMS5E THE PARAMETER parm MUST BE SPECIFIED**

**Explanation:** The `parm` input parameter for the CTDUPMIS utility is required, but it is missing.

The utility stops.

**Corrective Action:** Add the missing parameter to the JCL and rerun the job.

**CTDMS6E REDUNDANT PARAMETER: parm**

**Explanation:** The `parm` input parameter for the CTDUPMIS utility has already been specified.

The utility stops.

**Corrective Action:** Remove the extra input parameter from the input parameter stream in the JCL and rerun the job.

**CTDMS7E NO SELECT STATEMENTS ARE SPECIFIED IN THE INPUT PARAMETER STREAM**

**Explanation:** At least one SELECT statement must be specified in the input parameters stream, but none are specified.

The utility stops.

**Corrective Action:** Correct the input parameters in the JCL and rerun the job.

**CTDMS8E PARAMETER parm LENGTH EXCEEDED**

**Explanation:** The `parm` input parameter for the CTDUPMIS utility exceeds the maximum allowable length.

The utility stops.
Corrective Action: Correct the invalid parm input parameter in the JCL and rerun the job.

CTDMS9E EMPTY SELECT/CHANGE PARAMETER GROUP

Explanation: There are no parameters specified in either the SELECT or the CHANGE TO statement. At least one parameter must be specified. The utility stops.

Corrective Action: Correct the input parameters in the JCL and rerun the job.

CTDMSAI NUMBER OF SELECTED MEMBERS nm, CATEGORIES nc

Explanation: This information message indicates the number of decollation mission definition members and categories selected during the CTDUPMIS utility run.

Corrective Action: No action is required.

CTDMSBI NUMBER OF UPDATED MEMBERS nm, CATEGORIES nc

Explanation: This information message indicates the number of decollation mission definition members and categories updated during the CTDUPMIS utility run.

Corrective Action: No action is required.

CTDMSCI parm IS CHANGED FROM old_value TO new_value

Explanation: This information message indicates that the value of the parm decollation mission parameter is changed from old_value to new_value.

Corrective Action: No action is required.

CTDMSDI parm old_value IS DELETED

Explanation: This information message indicates that the old_value of the parm decollation mission parameter is deleted.

Corrective Action: No action is required.

CTDMSDI parm new_value IS ADDED

Explanation: This information message indicates that the new_value of the parm decollation mission parameter is added.

Corrective Action: No action is required.

CTDMSGW parm new_value ALREADY EXISTS

Explanation: This warning message issued by the CTDUPMIS utility when the CHANGE TO statement includes instructions to add a new decollation parameter value to the decollation mission definition, but that parameter value already exists in the selected decollation block. The new value is not added and the decollation mission definition is not updated.

Corrective Action: Examine the input parameters. Change the parameters and rerun the utility if necessary.
CTDMSHW CLASS x IS NOT DELETED. AT LEAST ONE CLASS SHOULD REMAIN.

Explanation: This warning message issued by the CTDUPMIS utility when the CHANGE TO statement includes instructions to delete class x from the ON-CLASS or ON-TRNCLASS decollation mission definition, but x is the only class in this statement. It cannot be deleted because this statement must contain at least one class value.

The x class value is not deleted and the decollation mission definition is not updated.

Corrective Action: Examine the input parameters. Change the parameters and rerun the utility if necessary.

CTDMSII MEMBER member CATEGORY category

Explanation: This information message is issued before these messages: CTDMSGW, CTDMSHW, CTDMSOE, and CTDMSPE. It indicates which decollation member and category the following message is related to.

Corrective Action: No action is required.

CTDMSKE STORE=CAT CAN BE SPECIFIED ONLY IF OUTLIB DIFFERS FROM REPLIB

Explanation: The STORE=CAT input parameter is specified for the CTDUPMIS utility, but the OUTLIB parameter is not specified. The STORE=CAT parameter can only be specified when the OUTPUT parameter is specified.

The utility stops.

Corrective Action: Correct the input parameters in the JCL and rerun the job.

CTDMSLE MEMBER NAME CAN BE UPDATED ONLY IF OUTLIB DIFFERS FROM REPLIB

Explanation: The MEMBER parameter is specified in the CHANGE TO statement for the CTDUPMIS utility, but the OUTLIB parameter is not specified or the OUTLIB library is the same as the REPLIB library. The member name can only be changed when the OUTPUT parameter specifies a library different from the input REPLIB library.

The utility stops.

Corrective Action: Correct the input parameters in the JCL and rerun the job.

CTDMSME CTDUPMIS UTILITY TERMINATES DUE TO AN ERROR IN THE SORT

Explanation: The CTDUPMIS utility issues this message when the invoked SORT utility ended with errors.

The utility stops.

Corrective Action: To identify the problem, examine the messages issued by the SORT utility to SYSOUT. Make the appropriate changes in the JCL and rerun the job.
CTDMSNI MEMBER NAME IS CHANGED FROM old_member TO new_member

Explanation: This information message indicates that the decollation member is stored in the library specified in the OUTLIB parameter with the name: new_member.

Corrective Action: No action is required.

CTDMSOE CLASS x IS INVALID FOR GENERIC DECOLLATION MISSION

Explanation: The CTDUPMIS utility attempts to change the class value to x or add class x to a generic decollation mission definition, but the class x is not specified in the list of generic classes in the CTDPARM parameters member.

The decollation mission definition is not updated.

Corrective Action: Examine the input parameters. Change the parameters and rerun the utility if necessary.

CTDMSPE CLASS x IS DEDICATED FOR GENERIC DECOLLATION MISSIONS ONLY

Explanation: The CTDUPMIS utility attempts to change the class value to x or add class x to a non-generic decollation mission definition, but the class x is specified in the list of generic classes in the CTDPARM parameters member.

The decollation mission definition is not updated.

Corrective Action: Examine the input parameters. Change the parameters and rerun the utility if necessary.

CTDMSRW NO DECOLLATION MISSIONS ARE SELECTED

Explanation: There are no decollation mission definitions found in the REPLIB library satisfying the selection parameters specified for the CTDUPMIS utility.

The decollation mission definition is not updated.

Corrective Action: Examine the input parameters. Change the parameters and rerun the utility if necessary.

CTDMSSE PARAMETER parm IS NOT AVAILABLE IN ‘CHANGE TO’ STATEMENT

Explanation: The parm parameter is specified in the CHANGE TO statement to be updated, but this parameter is only available as a selection parameter in the SELECT statement.

The utility stops.

Corrective Action: Correct the input parameters in the JCL and rerun the job.
INCONTROL for z/OS Messages Manual

Messages CTDO00 through CTDOxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDO01E OBJECT RECORD recordKey HAS NOT BEEN FOUND IN THE REPOSITORY ON THE req REQUEST.

Explanation: In the course of the req request (issued either from Control-D program or from DO screen), the recordKey record was not found in the Control-D database and req was not successfully completed. Either recordKey does not exist or there is a consistency violation in the Control-D database.

Corrective Action: Search IOALOG for a message about recordKey deletion or for a message indicating an access error regarding recordKey.

Messages CTDP00 through CTDPxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDP01E INVALID DIRECTION PARAMETER SPECIFIED - VALUE SHOULD BE "T", "B", "D", OR "U"

Explanation: An internal error caused an invalid parameter to be sent to the host when the Get-Report-List API was issued.

No report entries are returned by the host.

Corrective Action: Check the IOA Log file and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP02E USER=$SYSDATA IS NOT SUPPORTED

Explanation: $SYSDATA was specified in the USER parameter of the Control-D/WebAccess Server Report List filter. The $SYSDATA user is not supported by Control-D/WebAccess Server in Page On Demand mode.

No reports are retrieved.

Corrective Action: Change the USER parameter in the Report List filter to a valid user name.

CTDP03E ODATE, DECOLLATION DATE, AND RUN DATE MUST ALL BE THE SAME

Explanation: The ODATE, DECOLLATION DATE, and RUN DATE Report List filter fields contain different values. When retrieving reports according to all three date types, the same value must be entered for all three dates in the Report List filter.

No reports are retrieved.

Corrective Action: Correct the date values in the Report List filter or specify only one date type.
CTDP04E DECOLLATION TIME AND RUN TIME MUST BE THE SAME

**Explanation:** The DECOLLATION TIME and RUN TIME fields of the Report List filter must have the same value. When using both time types to retrieve reports, the same value must be specified for each time field in the Report List filter.

No reports are retrieved.

**Corrective Action:** Correct the time values in the Report List filter or specify only one time type.

CTDP05E MISMATCH BETWEEN DATES AND TIMES SPECIFIED

**Explanation:** The DATE and TIME Report List filter fields are not the same type. When using DATE and TIME to retrieve reports, the DATE and TIME Report List filter fields must be the same type. For example, if retrieving according to Decollation date, only the DECOLLATION TIME field or no time field is valid.

No reports are retrieved.

**Corrective Action:** Specify a valid combination of DATE and TIME fields in the Report List filter.

CTDP06E INVALID VALUE - SPECIFY \( \text{val1}, \text{val2}, \text{OR} \ \text{val3} \)

**Explanation:** Due to an internal error, an invalid value was specified in one of the Report List filter fields. The invalid value was sent to the host in the Get-Report-List API.

No report entries are returned by the host.

**Corrective Action:** Check the IOA Log file and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP07E RECIPIENTS LIST IS OVERFILLED. PLEASE INCREASE ITS SIZE

**Explanation:** The number of recipients that were encountered during the report list requests processing exceeded the estimate given in optional wish WDN004.

The request terminates with an error message.

**Corrective Action:** Correct the value in the DATA parameter in optional wish WDN004, then stop and restart the IOAGATE monitor.

CTDP08E INVALID SORT FIELD OR DIRECTION SPECIFICATION

**Explanation:** There is an invalid value in at least one sort key field or direction specified either in optional Wish WD3368 or in the Control-D/Web Access Report List request.

The Control-D/Web Access Report List request is rejected.

**Corrective Action:** Examine the values entered in sort key fields and directions, either in optional Wish WD3368 or the Report List request, and correct any invalid values.

CTDP09E ALLOWED SIZE OF SORTED REPORT LIST IS EXCEEDED

**Explanation:** The number of reports selected on the Control-D/Web Access Report List request exceeds the limit specified in optional Wish WD3368.

The Control-D/Web Access Report List request is rejected.
**Corrective Action:** Do one of the following:
- Increase the limit specified in optional Wish WD3368.
- Narrow the scope of the Report List request.

CTDP0AE INTERNAL ERROR RC=rc IN pgmname

**Explanation:** An internal error occurred during the processing of a Control-D/Web Access Report List request.

In this message, rc is the internal error return code and pgmname is the program name, where the error occurred.

The Control-D/Web Access Report List request is rejected.

**Corrective Action:** Call your INCONTROL administrator.

CTDP10E INTERNAL ERROR - INVALID REQUEST SUB-TYPE RECEIVED

**Explanation:** An internal error occurred when the user attempted to view a report in Control-D/WebAccess Server Page On Demand mode.

The report is not made available for viewing.

**Corrective Action:** Check the IOA Log file and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP11E INTERNAL ERROR - STORAGE NOT AVAILABLE FOR element

**Explanation:** The host server has insufficient memory to perform the view report request.

The report is not made available for viewing.

**Corrective Action:** Increase the REGION size of the server task on the host and restart the server.

CTDP12E INTERNAL ERROR - ILLEGAL USER FILE TYPE SPECIFIED IN OPEN REQUEST - fileType

**Explanation:** An internal error occurred when the user attempted to view a report in Control-D/WebAccess Server Page On Demand mode.

The report is not available for viewing.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP13E Page page longer than maximum output message length

**Explanation:** Page page, which is requested to be viewed by an end user in Control-D/WebAccess, is longer than the LOGATE buffer size. This value is specified in the MAXMSGSZ parameter that is found in the corresponding application server definition in the ECAAPPL member of the IOAENV library.

The report is not made available for viewing.
Corrective Action: If the MAXMSGSZ parameter is set to the maximum allowed value (32723), review the text report page size and change the LINECT parameter so that the page size fits into the MAXMSGSZ specification.

Old reports with a big page size should be redecollated. Because page separators inside of CDAM cannot be changed, these reports should be issued to SPOOL using the CTDAMUT1 utility with the RECOVER function and redecollated from SPOOL.

The optional wish WD3595 allows the viewing of incomplete pages instead of receiving the CTDP13E message.

CTDP14E You are not allowed to access report reportName / jobName / username

Explanation: The CTDX004 Control-D user exit or the CTDSE04 security module on the host does not allow the current user to view this report entry. For more information, see the VIEWCONF function within the exit.

The report is not available for viewing.

Corrective Action: To authorize a user to view this report, notify your INCONTROL administrator.

CTDP16E INTERNAL ERROR IN CTDTFLL, RC= rc

Explanation: An internal error occurred in one of the following cases:

- during an attempt to view a report in Control-D/WebAccess Server Page On Demand mode
- during an attempt to print a Control-V index report by a PRINT mission from the Control-D PRINT monitor

The error occurred in the CTDTFLL program in the host server during processing of a view report request. The report is not made available for viewing. The following are possible CTDTFLL rc (return code) values:

- 4—one or more continuation User records not found.
- 8—user file access error.
- 12—cannot read SYSDATA record.
- 16—GETMAIN failed because of insufficient memory.
- 20—too many GETMAIN calls.
- 32—FREEMAIN request error.

Corrective Action: Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP17E INTERNAL ERROR IN IOABOX, FUNCTION - function, RC=rc, FEEDBACK=feedbackCode

Explanation: An internal error occurred during an attempt to view a report in Control-D/WebAccess Server Page On Demand mode in the IOABOX program in the host server. The report is not available for viewing. The following are possible IOABOX rc (return code) values:
- 8--block point error
- 12--block get error
- 20--CDAM file allocation error
- 28--CDAM subsystem not operational
- 32--encoding error
- 36--unrecognized cache routine name
- 56--invalid media specified for report

When $rc=8$ or $rc=12$, there is a feedbackCode from the CDAM system.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Customer Support.

**CTDP18E** INTERNAL ERROR - ILLEGAL REPORT HANDLE SUPPLIED IN REQUEST

**Explanation:** An internal error occurred during an attempt to view a report in Control-D/WebAccess Server Page On Demand mode.

The report is not available for viewing.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

**CTDP19E** INTERNAL ERROR - UNABLE TO FREE STORAGE OF $element$, $RC=rc$

**Explanation:** An internal error occurred when the user attempted to exit from viewing a report in Control-D/WebAccess Server Page On Demand mode.

The host server cannot close the viewed report. Other problems may occur due to this error.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem, the return code in this message, and any additional error messages to BMC Software Customer Support.

**CTDP1AE** INTERNAL ERROR - ILLEGAL PAGE NUMBER REQUESTED

**Explanation:** An internal error occurred when the user attempted to view a report in Control-D/WebAccess Server Page On Demand mode.

The report is not made available for viewing.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

**CTDP1BE** INTERNAL ERROR IN CTVINXR, FUNCTION = $func$, $RC=rc$

**Explanation:** An internal error occurred in the CTVINXR program during an attempt to view a report in Control-D/WebAccess Server Page On Demand mode. The Report List filter included index name or index value (or both) selection criteria to retrieve only report sections corresponding to the index criteria.
The report is not made available for viewing.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP1CE REPORT ENTRY DOES NOT EXIST

**Explanation:** The report entry requested for viewing does not exist in the host database. It was probably deleted from the host database after the report list was retrieved and before the report view request was issued.

The report is not made available for viewing.

**Corrective Action:** Use the Refresh option to produce an updated report list that does not contain deleted report entries.

CTDP1DE INDEX ENTRY DOES NOT EXIST

**Explanation:** An attempted to view a report based on an index value specified in the Hit List filter failed, because the specified value does not exist in the current index for the report.

The report is not viewed.

**Corrective Action:** In the Filter window, select reports without the Index Value parameter, and then use the Viewing With Indexes option to select the required index value in order to view the report.

CTDP1EE NON-UNIQUE INDEX OR VALUE

**Explanation:** An attempt to view a report based on an index value specified in the Hit List filter failed, because the specified index name and index value prefix are not unique for the report. More than one index satisfies the specified index mask, or more than one value satisfies the specified value prefix entered in the Hit List filter.

The report is not viewed.

**Corrective Action:** In the Filter window, select reports without the Index Value parameter, and then use the Viewing With Indexes option to select the required index value in order to view the report.

CTDP1FI REPORT reportName / jobName / JOBID / userName / VIEWED FROM ACTIVE | MIGRATED FILE

**Explanation:** This information message is generated when the specified report is viewed by means of Page On Demand from the active or migrated file. The text of the message specifies the report name, job name, JobID, user name, and file type.

**Corrective Action:** No action is required.

CTDP1GI INDEX NAME: index_name

**Explanation:** This information message provides the index name for the accompanying message.

**Corrective Action:** Examine the accompanying message and its user response, and take the appropriate corrective action.
CTDP1HI INDEX VALUE: index_value

Explanation: This information message provides the index value for the accompanying message.
Corrective Action: Examine the accompanying message and its user response, and take the appropriate corrective action.

CTDP20E You are not authorized to use this option

Explanation: There is no authorization to perform this action under Page On Demand. This message is generated by the CTDX04 Control-D user exit or the CTDSE24 security module.
The requested function is not performed.
Corrective Action: If the user should be authorized to perform this function, call your INCONTROL administrator.

CTDP21I Report reportName / jobName / username will be retrieved in batch

Explanation: Some or all of the CDAM files of the report to be viewed or printed have migrated, and are not immediately available. At sites using DF/HSM with Control-D option WD2889 applied, a request for online viewing or immediate printing of a report causes the CTDTUSR program to check if the CDAM files of the report were migrated.
A batch job is submitted to recall these migrated CDAM files for later access.
Corrective Action: Wait until this batch job completed successfully. Then, try again to view the report.

CTDP22E INTERNAL ERROR - ILLEGAL INDEX HANDLE SUPPLIED IN REQUEST

Explanation: An internal error occurred during an attempt to access an index in Control-D/WebAccess Server in Page On Demand mode. An invalid index token was received from the client.
The index is not accessed.
Corrective Action: Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP23E ERROR - SECTION NUMBER REQUESTED IS NOT IN SEQUENCE

Explanation: An internal error occurred in the Page On Demand facility.
The requested report is not displayed.
Corrective Action: Notify your INCONTROL administrator, and do the following:
1. Activate debug levels 10, 11, 17, 18 and 19 in the Control-D Application Server.
2. Duplicate the operation that caused the error to occur.
3. Print the output from the DADUMP and DATRACE debug data sets.
4. Send the printed output to BMC Software Customer Support.
CTDP24E ERROR ACCESSING CDAM FILE, CTDPRSC FUNCTION=func, RC=rc

Explanation: An internal error occurred while attempting to access a CDAM file. The CDAM file being accessed was created by a printing mission using the STORE parameter set to YES. The report is not displayed.

Corrective Action: Notify your INCONTROL administrator and do the following:
1. Activate debug levels 10, 11, 17, 18 and 19 in the Control-D Application Server.
2. Duplicate the operation that caused the error to occur.
3. Print the output from the DADUMP and DATRACE debug data sets.
4. Send the printed output along with the message text and return code to BMC Software Customer Support.
5. Look for additional error messages in the IOALOG and the job log.

CTDP25E DYNAMIC ALLOCATION OF fileName FILE FAILED, RC=rc, REASON CODE=rsn

Explanation: An internal error occurred during dynamic allocation of temporary file, while Control-D was retrieving a PDF or CCIF report using the Page On Demand interface. The report is not displayed.

Corrective Action: Notify your INCONTROL administrator. Look for additional error messages in the job log generated in response to the problem. If the problem cannot be resolved, send a copy of the CTDParm member and the error messages in the job log to BMC Software Customer Support.

CTDP26E You are not authorized to cancel restore request for report reportName / jobName / username

Explanation: The user is not authorized to cancel restore request for the selected report. The un-restore request is rejected by the security exit. The un-restore operation is not performed.

Corrective Action: To get access to this action, notify your INCONTROL administrator.

The variables in this message are:
- reportName - the name of the report
- jobName - the name of the job that created the report
- username - the user for whom the report was created

CTDP27E DYNAMIC DEALLOCATION OF fileName FILE FAILED, RC=rc, REASON CODE=rsn

Explanation: An internal error occurred during dynamic deallocation of temporary file, while Control-D was retrieving a PDF or CCIF report by means of the Page On Demand interface. The report is not displayed.
Corrective Action: Notify your INCONTROL administrator. Look for additional error messages in the job log generated in response to the problem. If the problem cannot be resolved, send a copy of the CTDPARM member and the error messages in the job log to BMC Software Customer Support.

CTDP28E ERROR CREATING fileName FILE FOR VIEWING, RC=rc
Explanation: Control-D detected an internal error when the indexed section of a PDF or CCIF report was requested for viewing.
The report is not displayed.
Corrective Action: Notify your INCONTROL administrator and do the following:
1. Activate debug levels, 11, 17, 18 and 19 in the Control-D Application Server.
2. Duplicate the operation that caused the error to occur.
3. Look for additional error messages in the IOALOG, job log and SYSOUT data sets.
4. View the complete PDF or CCIF without Control-V indexes, to bypass the cause of the problem.
If you cannot solve the problem, record this error message, all other associated error messages, the results of viewing the PDF or CCIF without indexes, and the output of the DADUMP and DATRACE debug data sets. Contact BMC Software Customer Support.

CTDP29E ERROR OPENING fileName FILE, RC=rc
Explanation: Control-D detected an internal error while preparing an indexed section of a subset PDF or CCIF file for viewing. Control-D generated the return code, which is reserved for internal use.
The report is not displayed.
Corrective Action: Notify your INCONTROL administrator and do the following:
1. Activate debug levels, 11, 17, 18 and 19 in the Control-D Application Server.
2. Duplicate the operation that caused the error.
3. Look for additional error messages in the IOALOG, job log, and SYSOUT data sets.
4. View the complete PDF or CCIF without Control-V indexes to bypass the cause of the problem.
If you cannot solve the problem, record all associated error messages, the results of viewing the PDF or CCIF without indexes, and the output of the DADUMP and DATRACE debug data sets. Contact BMC Software Customer Support.

CTDP2AE INTERNAL ERROR - REPORT TYPE REQUESTED IS NOT CORRECT
Explanation: An internal error occurred in the Page On Demand facility.
The requested report is not displayed.
Corrective Action: Notify your INCONTROL administrator and do the following:
1. Activate debug levels 10, 11, 17, 18 and 19 in the Control-D Application Server.
2. Duplicate the operation that caused the error to occur.
3. Print the output of the DADUMP and DATRACE debug data sets.
4. Send the printed output to BMC Software Customer Support.
CTDP2BE AN IMAGE CAN BE VIEWED ONLY VIA AN INDEX VALUE

Explanation: The user tried to view an image report without specifying an index value. In order to view an image report, an index value must be specified.
The report is not displayed.
Corrective Action: Specify an index and an index value for the report.

CTDP2CE You are not authorized to restore report reportName / jobName / username

Explanation: The user is not authorized to restore the selected report.
The restore request is rejected by the security exit. The report is not restored.
Corrective Action: To get access to this action, notify your INCONTROL administrator.

CTDP2DI Report reportName / jobName / username will be restored from long-term archive

Explanation: This information message indicates that the requested report is being restored from a long-term archive. The restoration process is underway. It may take some time.
The report will be restored.
Corrective Action: No action is required.

CTDP2EI Report reportName / jobName / username is already waiting for restore

Explanation: The report requested for restore is already waiting for restore based on a previous request. The previous restore request for the same report, perhaps from another user, is being processed. The current request is unnecessary.
The report will be restored.
Corrective Action: No action is required.

CTDP2FE INTERNAL ERROR. RC=rc REASON CODE=rsn

Explanation: The IOATAE program encountered an internal error during report translation from ASCII to EBCDIC.
The request could not be performed.
Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDP2GE Error during processing restore request for report reportName / jobName / username

Explanation: This error message indicates that an error occurred during report restore processing. Details of the error can be found in other messages that accompany this message.
The restore request is not performed.
Corrective Action: Check the log for additional messages concerning the restore failure.

CTDP2HE ERROR FROM CTDPRPS RC= rc

Explanation: An internal error occurred in the CTDPRPS program during a check on the requested report.
Possible error causes are:
rc Explanation
4 End of report is exceeded
8 Storage request failed
12 Invalid function accessing the CTDPRPSP program
16 Supplied buffer is too small to create line
20 Invalid report was processed
28 Error retrieving a resource for a normalized report
The request is not performed.
Corrective Action: Check the IOA Log file for additional messages associated with the error and try to correct the problem. If the error persists, collect all related information and contact BMC Software Customer Support.

CTDP2IE PROGRAM pgm FAILED. RC=rc

Explanation: An internal error occurred in the pgm program during report transformation.
The request is not performed
Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDP2JE ERROR OPENING fileName FILE

Explanation: An error occurred while opening a temporary file for the report transformation process.
In this message, fileName is the name of the file that could not be opened.
The request is not performed.
Corrective Action: Notify your INCONTROL administrator or responsible system programmer.

CTDP2KE PUT TO fileName FILE FAILED, RC=rc

Explanation: An internal I/O error occurred while attempting to write to file fileName during the transformation process of a report.
The request is not performed.
Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDP2LE ERROR IN ATTACH OF pgm, RC=rc

Explanation: An internal error was encountered while attempting to attach the pgm transformation program.
In this message, \texttt{rc} is a macro ATTACH return code. The request is not performed.

**Corrective Action:** Have your INCONTROL administrator notify BMC Software Customer Support.

**CTDP2ME Program pgm not found in load library, Rc=rc**

**Explanation:** The \texttt{pgm} transformation program was not found in the load library. \texttt{rc} is a macro BLDL return code, and is described in IBM documentation.

The request is not performed.

**Corrective Action:** Analyze the return code and correct the problem accordingly. If the problem persists or you cannot correct it, have your INCONTROL administrator notify BMC Software Customer Support.

**CTDP2NE Report reportName/jobName/username is too big, you are not allowed to view it**

**Explanation:** An attempt has been made to view a report which exceeds the limit defined in optional wish WD3353.

**Corrective Action:** If you think that you should be authorized to perform this action, contact your INCONTROL administrator.

**CTDP2OE DJ DEPARAM support is not available**

**Explanation:** APPLY was set in optional Wish WD3408 to YES, but the level of CTDDJE was less than that required for this setting to operate.

The requested function is not performed.

**Corrective Action:** Enter ICE and recompile the appropriate version of CTDDJE, which is in the SAMPEXIT library.

**CTDP2PI jobname/recipient/report ID=recordId SET TO RESTORE WITH MISSION misName**

**Explanation:** This information message indicates that the backed up (migrated) report is assigned to the \texttt{misName} mission for restoration.

The variables in this message are:

- \texttt{jobname} - the name of the job that created the report
- \texttt{recipient} - the user for whom the report was created
- \texttt{report} - the name of the report
- \texttt{recordId} - the internal database identifier of the report

**Corrective Action:** No action is required.
CTDP2RE Report *reportName / jobName / username* should be in "WAIT-RESTORE" state

**Explanation:** You cannot un-restore a record that is not scheduled to be restored. Only records in the WAIT-RESTORE state can be un-restored.

The un-restore operation is not performed.

The variables in this message are:
- *reportName* - the name of the report
- *jobName* - the name of the job that created the report
- *username* - the user for whom the report was created

**Corrective Action:** No action is required.

CTDP2SI Restore request canceled for report: *jobName / username / reportName* ID=recordId

**Explanation:** This information message indicates that the restore request to the backed up (migrated) report is canceled.

The variables in this message are:
- *reportName* - the name of the report
- *jobName* - the name of the job that created the report
- *username* - the user for whom the report was created
- *recordId* - the internal database identifier of the report

**Corrective Action:** No action is required.

CTDP2TI Restore request canceled for report: *reportName / jobName / username*

**Explanation:** This information message indicates that the restore request to the backed up (migrated) report is canceled.

The variables in this message are:
- *reportName* - the name of the report
- *jobName* - the name of the job that created the report
- *username* - the user for whom the report was created

**Corrective Action:** No action is required.

CTDP2UE Error during processing cancel restore request for report *reportName / jobName / username*

**Explanation:** An error occurred during cancellation of report-restore processing. The unrestore operation is not performed.
Corrective Action: For details of this error, check the log for related messages.

CTDP30E INTERNAL ERROR - ILLEGAL NOTES HANDLE SUPPLIED IN REQUEST
Explanation: An internal error occurred during an attempt to access notes in Control-D/WebAccess Server in Page On Demand mode. An invalid note token was received from the client.
The notes are not accessed.
Corrective Action: Check the IOA Log and the system log for additional error messages. Report the problem and additional error messages to BMC Software Customer Support.

CTDP31E INTERNAL ERROR - CONTINUATION REQUEST WITHOUT AN INITIAL REQUEST FOR INDEX OF NOTES
Explanation: An internal error occurred during an attempt to access notes in Control-D/WebAccess Server in Page On Demand mode. Only the continuation of a request was received. The initial request may have been lost due to a transmission error.
The notes are not accessed.
Corrective Action: Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP32W NOTES ARE NOT SUPPORTED FOR THIS REPORT IN PAGE ON DEMAND MODE
Explanation: Notes are accessible in Page On Demand mode only for reports decollated under IOA Release 5.0.4 and above. The notes of reports decollated by a previous version of Control-D are not accessible in Page On Demand mode.
The requested action is not performed.
Corrective Action: Create or access the note by means of the Control-D Notepad facility.

CTDP33E INTERNAL ERROR IN CTDNPS - FUNCTION "func " RC=rc
Explanation: The Control-D Application Server received a non-zero return code from the CTDNPS routine.
Notes cannot be accessed.
Corrective Action: Report this error message and any other relevant messages to BMC Software Customer Support.

CTDP34E INTERNAL ERROR - CANNOT TRANSLATE PAGE NUMBER OF NOTE
Explanation: An internal error occurred during an attempt to access a tag note for a report being viewed. A tag note cannot be accessed because the page number of the associated string is unknown.
The note is not accessed.
Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP35E NOTE DATA IS TOO LONG - LIMITED TO 560 PER VERSION

Explanation: The note being created contains too many characters. Each note version is limited to 560 characters.

The note version is not created.

Corrective Action: Make the note shorter.

CTDP36E INTERNAL ERROR - REPORT NOTE DOES NOT EXIST - CANNOT ADD NEW VERSION

Explanation: An internal error occurred when trying to create a tag note for a report being viewed. A tag note cannot be created because of an internal error.

The note is not created.

Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP37E CANNOT ADD VERSION - MAXIMUM NUMBER OF VERSIONS REACHED

Explanation: The user tried to add a new version of a note, but the maximum number of note versions already exists.

The new version is not added.

Corrective Action: Modify an existing note version or delete and replace the last version of the note.

CTDP38E INTERNAL ERROR - CANNOT CREATE REPORT NOTE - ALREADY EXISTS

Explanation: The attempt to create a General note for a report failed due to an internal error.

The note is not created.

Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP39E ERROR IN INPUT MESSAGE LENGTH - MESSAGE IS TOO SHORT - REQUEST TYPE = type

Explanation: An internal communication error occurred between Control-D/WebAccess Server and the Control-D Application Server.

The message is ignored.

Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.
CTDP3AE I NTERNAL ERROR - CANNOT DELETE REPORT NOTE - DOES NOT EXIST

**Explanation:** The user attempted to delete a note attached to a report, but the note does not exist.

The note is not deleted.

**Corrective Action:** Report the entry for which you received this message and any relevant messages in the IOA Log and Control-D Application Server to BMC Software Customer Support.

CTDP3BE I NTERNAL ERROR FREEING STORAGE - RC=rc

**Explanation:** An internal error occurred when the user attempted to exit from the Note window in Control-D/WebAccess Server in Page On Demand mode.

The server on the host cannot free the associated note structure of the notes accessed. Other problems may occur because of this error.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and additional error messages to BMC Software Customer Support.

CTDP3CE REPORT ENTRY DELETED - CANNOT ACCESS NOTES

**Explanation:** The report entry corresponding to the notes being processed does not exist. It was probably deleted by another user or by the CTDDLCP utility.

The note is not saved or updated.

**Corrective Action:** Refresh the User Report list to get a current list of existing report entries.

CTDP3DE I NTERNAL ERROR - INVALID REQUEST SUB-TYPE - MUST BE BETWEEN 1 AND n

**Explanation:** An internal error occurred during an attempt to access a note of a report in Control-D/WebAccess Server in Page On Demand mode. An invalid request type was received from the client.

The note is not accessed.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP3EE I NTERNAL ERROR - INVALID NOTE TOKEN SUPPLIED IN REQUEST

**Explanation:** An internal error occurred during an attempt to access a note of a report in Control-D/WebAccess Server in Page On Demand mode. An invalid note handle was received from the client.

The note cannot be accessed.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.
CTDP3FE ACTION NOT DONE - NOTE IS CURRENTLY IN USE - TRY AGAIN LATER

**Explanation:** There was an attempt to delete an existing note or create a new version of a note that is currently accessed by another user. A note that is currently in use by one user can only be browsed by other users.

The requested action is not performed.

**Corrective Action:** No action is required.

CTDP3GE INTERNAL ERROR - PAGE NOT FOUND IN PAGE TABLE - CANNOT CREATE NOTE

**Explanation:** An internal error occurred when trying to create a tag note for a report being viewed. A tag note cannot be created because the page number of the associated string is unknown.

The note is not created.

**Corrective Action:** Exit from Page On Demand mode and try to create the note again. If you do not succeed, report this problem and any relevant messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP3HS INSUFFICIENT STORAGE - INCREASE REGION SIZE

**Explanation:** There is insufficient memory in the host server to perform the notes access request.

The notes are not accessed.

**Corrective Action:** Increase the REGION size of the server task on the host, and restart the server.

CTDP3IE CANNOT CREATE NOTE - THIS NOTE ALREADY EXISTS

**Explanation:** You cannot create a tag note for a string that is already associated with a tag note.

The note is not created.

**Corrective Action:** Tag the note to a different string or create a new version of the existing note.

CTDP3JE YOU ARE NOT AUTHORIZED TO USE THIS OPTION

**Explanation:** You are not authorized to view, create or delete a note under Page On Demand. This message is generated by the CTDX024 Control-D user exit or the CTDSE24 security module for the ‘shownote,’ ‘delnote,’ or ‘addnote’ function.

The requested function is not performed.

**Corrective Action:** If the user should be authorized to perform this function, contact your INCONTROL administrator.

CTDP3KE YOU ARE NOT AUTHORIZED TO ACCESS NOTES

**Explanation:** You are not authorized to access notes under Page On Demand. This message is generated by the CTDX024 Control-D user exit or the CTDSE24 security module for the ‘viewnote’ function.
The notes are not retrieved.

**Corrective Action:** If the user should be authorized to perform this function, contact your INCONTROL administrator.

**CTDP3LE** YOU ARE NOT AUTHORIZED TO CREATE/EDIT/DELETE NOTES

**Explanation:** You are not authorized to write or delete notes under Page On Demand. This message is generated by the CTDX024 Control-D user exit or the CTDSE24 security module for the ‘editnote’ function. The note is not created or deleted.

**Corrective Action:** If the user should be authorized to perform this function, contact your INCONTROL administrator.

**CTDP40E** UNABLE TO ACCESS INDEXES - RC = rc

**Explanation:** An internal error occurred when accessing the Index facility of Control-D/WebAccess Server Page On Demand or Control-D PRINT monitor.

The requested action is not performed.

**Corrective Action:** Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

**CTDP41E** NOT ENOUGH SPACE FOR INDEXES - SOME INDEXES ARE MISSING

**Explanation:** There are too many index paths for this report. Some index paths cannot be accessed by means of Page On Demand.

Only the displayed index paths are accessible by means of Page On Demand.

**Corrective Action:** You can access the rest of the index paths by means of the Control-D Index facility.

**CTDP42E** INTERNAL ERROR - INVALID REQUEST SUB-TYPE - MUST BE BETWEEN 1 AND n

**Explanation:** An internal error occurred when the user attempted to access an Index facility of Control-D/WebAccess Server Page On Demand.

The function is not performed.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

**CTDP43E** INTERNAL ERROR FREEING STORAGE - RC = rc

**Explanation:** An internal error occurred when the user attempted to exit from the Index facility of Control-D/WebAccess Server Page On Demand.

The server on the host cannot close the index used. Other problems may occur because of this error.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.
CTDP44S INSUFFICIENT STORAGE - INCREASE REGION SIZE

Explanation: Insufficient memory in the host server to perform the index request. The indexes cannot be accessed.
Corrective Action: Increase the REGION size of the server task on the host, and restart the server.

CTDP45E REPORT ENTRY DELETED - CANNOT ACCESS INDEXES

Explanation: The report entry corresponding to the index being processed does not exist. The report entry was probably deleted by another user or by the CTDDELRP utility. The report is not displayed.
Corrective Action: Refresh the User Report list to get a current list of existing report entries.

CTDP46S ERROR IN INPUT MESSAGE LENGTH - MESSAGE IS TOO SHORT

Explanation: An internal communication error occurred between Control-D/WebAccess Server and the Control-D Application Server. The requested action is not performed.
Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP47S ERROR IN INPUT MESSAGE - INDEX PATH IS INCORRECT

Explanation: Internal error in communication between Control-D/WebAccess Server and the Control-D Application Server. The report section is not retrieved.
Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP48S INTERNAL ERROR - LOAD OF MODULE modName FAILED

Explanation: The Control-D Application Server failed to load the modName module. The requested function is not performed. Other problems may follow.
Corrective Action: Consult your INCONTROL administrator. If necessary, report this problem to BMC Software Customer Support.

CTDP49S INTERNAL ERROR - MISMATCH BETWEEN INDEX RECORD AND USER RECORD

Explanation: Internal error in the Control-D Application Server or Control-D PRINT monitor. The requested action is not performed.
Corrective Action: Report this problem, the report entry for which it occurred, and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.
CTDP4AS INTERNAL ERROR IN INPUT PARAMETERS

Explanation: An internal error occurred when accessing the Index facility of Control-D/WebAccess Server Page On Demand.
The requested action is not performed.

Corrective Action: Record this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP4BS INTERNAL ERROR - CANNOT LOCATE THE PREVIOUS VALUE FROM WHICH TO START

Explanation: An internal error occurred when accessing the Index facility of Control-D/WebAccess Server Page On Demand.
The requested action is not performed.

Corrective Action: Record this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTDP4CE CANNOT VIEW REPORT SECTION - INDEX PATH VALUES ARE NOT UNIQUE

Explanation: The index values in the selected path are not unique. The report cannot be viewed.
The report section is not viewed.

Corrective Action: Choose index values from the List of Index Values, and then attempt to View the report.

CTDP50I REPORT PRINTED FROM fileName FILE: jobName / userName / reportName

Explanation: This information message indicates that the immediate printing of the report was successful.
The specified report is printed.

Corrective Action: No action is required.

CTDP51E CTDDPR/CTDCNV/CTDUF MODULE NOT LOADED, RC=rc

Explanation: The CTDDPR, CTDCNV, or CTDUF module cannot be loaded.
In this message, \( rc \) is a macro LOAD return code, and is described in IBM documentation.
The request is not performed.

Corrective Action: Analyze the return code and fix the problem.

CTDP52E ERROR IN CTDDPR: INVALID DESTINATION

Explanation: An invalid destination was detected in the CTDDPR program for the report that was requested for printing. The sysout can not be allocated with this destination.
INCONTROL for z/OS Messages Manual

The print request is not performed.

Corrective Action: Correct the destination, and perform the print request again.

CTDP53E SYSOUT ALLOCATION FAILED, RC=rc, ERROR=rsn

Explanation: An error was encountered when the CTDDPR program tried to allocate a sysout.

In this message, \texttt{rc} and \texttt{rsn} are dynamic allocation return and reason codes, respectively. They are described in IBM documentation.

The request is not performed.

Corrective Action: Analyze the reason code, fix the problem, and issue the request again.

CTDP54E INCORRECT CONTINUATION RECORD

Explanation: An incorrect continuation record was encountered when opening a requested report. This indicates that the Control-D database contains corrupted records, because of an internal error. The request is not performed.

Corrective Action: Check the IOA Log file and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTDP55E ERROR IN CTDDPR: USER FILE ACCESS ERROR

Explanation: An internal error was encountered during access of a User Active Report file.

The request fails.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.

CTDP56E ERROR IN CTDDPR: CDAM ERROR

Explanation: An I/O error was encountered during processing of an Immediate Print request from Control-D/Web Access. If the report is a migrated report, a more detailed message can be produced by viewing the report.

One of the following errors was encountered by the CTDTUSR program during processing of an Immediate Print request:

- A CDAM file or extent associated with the report being printed does not exist or is not cataloged.
- A CDAM file was restored to a DASD device with a different track size than the DASD device on which the CDAM file was created.

The request fails.

Corrective Action: Use the following suggestions to resolve the issue:

- Be sure all CDAM files exist on the appropriate DASD devices.
- Retry the Immediate Print request.
- View the report to see if an error is also encountered during viewing.

CTDP57E ERROR IN CTDDPR: INSUFFICIENT STORAGE

Explanation: There was insufficient storage to handle an immediate printing request
The print request fails.

**Corrective Action:** Increase the REGION parameter value for the Application Server.

**CTDP58E** **INTERNAL ERROR - IN CTDDPR - RC=rc**

**Explanation:** An internal error occurred during processing of the immediate print request from Control-D/Web Access.

The following table lists and explains the possible values for the return code (rc):

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>An internal error occurred while processing an Immediate Print request.</td>
</tr>
<tr>
<td>52</td>
<td>The error occurred during the GETINX function of the CTVDPC program.</td>
</tr>
<tr>
<td>56</td>
<td>The error occurred during the WRTINX function of the CTVDPC program.</td>
</tr>
<tr>
<td>60</td>
<td>The error occurred during the GETINX function of the CTVDPC program when data sets are uncataloged.</td>
</tr>
<tr>
<td>64</td>
<td>An allocation error of the index file occurred during the GETINX function of the CTVDPC program.</td>
</tr>
</tbody>
</table>

The print request is not performed.

**Corrective Action:** Use the following procedure to correct the error.

1. Check the IOA Log file and job log for additional messages associated with the error.
2. Correct the problem based on information found in the messages.
3. Re-submit the print request.
4. If the error persists, contact BMC Software Customer Support.

**CTDP59E** **MISSING OUTPUT STATEMENT stmt**

**Explanation:** The stmt required OUTPUT statement is missing from the Application Server procedure.

The request fails.

**Corrective Action:** Add the missing OUTPUT statement to the Application Server procedure.

**CTDP5AE** **ERROR IN READING PAGEDEF/FORMDEF MEMBER**

**Explanation:** The report requires a PAGEDEF/FORMDEF definition, but the corresponding member containing the definition was not found in the PAGEDEF/FORMDEF library.

The request is not performed.

**Corrective Action:** Notify your INCONTROL administrator.
**CTDP5BE ABEND IN IMMEDIATE PRINT \( \{ \text{scode} | \text{ucode} \} \)**

**Explanation:** An abend occurred during an immediate printing.

The variables in this message are:
- \( \text{scode} \) - a system ABEND code
- \( \text{ucode} \) - an user ABEND code

The report is not printed.

**Corrective Action:** Notify your responsible system programmer.

**CTDP5CE INTERNAL ERROR - INVALID HANDLE TYPE IN INPUT**

**Explanation:** An internal error occurred during processing of an Immediate Print request from Control-D/WebAccess. An invalid type of handle was received. The request is not performed.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

**CTDP5DE INTERNAL ERROR - ILLEGAL INDEX HANDLE SUPPLIED IN REQUEST**

**Explanation:** An internal error occurred during an attempt to access an index in Control-D/WebAccess. An invalid index token was received from the client. The index was not accessed.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

**CTDP5EI REPORT REQUESTED FOR PRINT FROM fileName FILE: jobName / userName / reportName**

**Explanation:** This information message indicates that following a request by a Control-D/WebAccess user, the identified report was successfully submitted in a host for deferred printing.

The variables in this message are:
- \( \text{reportName} \) - the name of the report that is to be printed
- \( \text{jobName} \) - the name of the job that created the report
- \( \text{userName} \) - the name of the recipient to whom the report belongs
- \( \text{fileName} \) - the name of the file from which the \( \text{reportName} \) report is to be printed

The \( \text{reportName} \) report will be printed at the host machine with the corresponding Print Mission.

**Corrective Action:** No action is required.

**CTDP5FE ERROR IN DEFERRED PRINT REQUEST RC=rc**

**Explanation:** An error was encountered during the deferred printing of a report.
Valid values for \textit{rc}, and their explanations, are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Insufficient memory</td>
</tr>
<tr>
<td>12</td>
<td>Invalid request</td>
</tr>
<tr>
<td>16</td>
<td>Error during the opening of a Control-D database file</td>
</tr>
<tr>
<td>36</td>
<td>USER record not found in the Control-D database</td>
</tr>
<tr>
<td>48</td>
<td>Invalid sub-request type.</td>
</tr>
</tbody>
</table>

The report is not printed.

\textbf{Corrective Action:} If the return code is 8, increase the amount of memory that is allowed for Control-D monitors. Otherwise, have your INCONTROL administrator notify BMC Software Customer Support.

\textbf{CTDP5GE AT LEAST ONE PRINT MISSION NAME SHOULD BE ENTERED}

\textbf{Explanation:} A print mission name was not specified in the deferred print request. A print mission name is mandatory.

The print request is not performed.

\textbf{Corrective Action:} Specify a print mission name, and enter the request again.

\textbf{CTDP5HE REQUESTED NUMBER OF PRINT COPIES EXCEEDS THE MAXIMUM ALLOWED}

\textbf{Explanation:} The requested number of report copies for printing exceeds the allowable maximum. The allowable maximum is defined in the MAXCOPIES field in the report decollating mission definition.

The print request is not performed.

\textbf{Corrective Action:} Correct the number of copies, and perform the print request again.

\textbf{CTDP5IW Action} \textit{action} denied for object keyed by \textit{objkey}

\textbf{Explanation:} A Control-D/WebAccess user issued a request for the identified action to the Control-D/WebAccess ruler (Logical View) with a specific key in the Control-D Repository, but the 024 Control-D User Exit or Security Exit denied the request.

The variables in this message are:

- \textit{action} - the action requested by the user
- \textit{objkey} - the key of the Control-D/WebAccess ruler in the Control-D Repository

The request is rejected.

\textbf{Corrective Action:} Call your INCONTROL administrator.
CTDP5J1 RULER *action: rulerName KEYYED BY <rulerKey> FOR REPORT <reportName>*

**Explanation:** A Control-D/WebAccess user requested an action on a Control-D/WebAccess ruler (Logical View) with a specific key in the Control-D Repository, and the request was fulfilled.

The variables in this message are:

- **rulerName** - the name of the Control-D/WebAccess ruler
- **rulerKey** - the key of the Control-D/WebAccess ruler in the Control-D Repository
- **reportName** - the name of the report
- **action** - the requested action

**Corrective Action:** No action is required.

CTDP62E CTDPCIN: CTDPRSC FUNCTION = func, RC = rc.

**Explanation:** An internal error occurred in the CTDPRSC internal module.

The error occurred during either of the following:

- preparation of a CCIF file for viewing
- creation of a Control-V index during printing mission processing

The report is not displayed or the index is not created.

**Corrective Action:** Notify your INCONTROL administrator and do the following:

1. Look for additional error messages in the IOA Log file, job log and SYSOUT data sets.
2. If the error occurred in Page-On-Demand, activate debug levels 10, 11, 17, 18 and 19 in the Control-D Application Server.
3. Duplicate the operation that caused the error to occur.
4. Send the DADUMP and DATRACE output debug data sets to BMC Software Customer Support.

CTDPD1E INVALID USER FILE - SPECIFY A, M, OR H

**Explanation:** The CTD/WA user’s request to copy, move, or delete the report was rejected. This is an internal error message that normally does not appear.

**Corrective Action:** Call your INCONTROL administrator.

CTDPD2W THE *req REQUEST FROM USER *userId IS REJECTED FOR REPORT <reportName>

**Explanation:** The CTD/WA user’s request to copy, move, or delete the report was rejected by the installation Exit program.

**Corrective Action:** Call your INCONTROL administrator.
CTDPD3I REPORT WITH KEY <reportID> IS act FROM USER user1 TO USER user2

**Explanation:** This information message indicates that the reportID report has been successfully copied or moved from user user1 to user user2, in accordance with the CTD/WA user's request.

In this message, reportID is the identity of the report.

The information about the report name is provided in message CTDI0CI, which follows this message.

**Corrective Action:** No action is required.

CTDPD4I REPORT WITH KEY <reportID> IS DELETED

**Explanation:** This informational message indicates that the reportID report has been successfully deleted from the repository, in accordance with the CTD/WA user's request.

In this message, reportID is the identity of the report.

The information about the report name is provided in message CTDI0CI, which follows this message.

**Corrective Action:** No action is required.

CTDPT1E RECIPIENT LIST IS EMPTY.

**Explanation:** The Recipient Tree, or the requested subtree, is empty.

**Corrective Action:** Correct the request and retry.

CTDPT2E INSUFFICIENT MEMORY TO PERFORM THE RECIPIENT TREE REQUEST.

**Explanation:** A shortage of storage occurred while processing the Recipient Tree.

The user's request that led to the processing of the Recipient Tree is rejected.

**Corrective Action:** Wait for a time, then retry the request. If the problem persists, call your INCONTROL administrator.

CTDPT3E INTERNAL ERROR IN RECIPIENT TREE REQUEST.

**Explanation:** An internal error occurred while processing a user's request.

The request is rejected.

**Corrective Action:** Call your INCONTROL administrator.

CTDPU1E RECORD TO BE UPDATED NOT FOUND

**Explanation:** The record to be updated in the Control-D database was not found. The record was deleted, perhaps by another user, before it could be updated.

The record is not updated.

**Corrective Action:** Refresh the received data.
CTDPU2E RECORD IS CHANGED, UPDATE FAILED

**Explanation:** A record in the Control-D database was changed after the user has received it, that is, after it was read and before it was updated.

The request fails.

**Corrective Action:** Refresh received data, and issue the update request again.

CTDPU3E ERROR OPENING THE IOA AM FILE

**Explanation:** An internal error occurred during the opening of the IOA AM file.

The IOA AM file is not opened.

**Corrective Action:** Have your INCONTROL administrator notify BMC Software Customer Support.

CTDPU5W Request rejected because of report status change.

**Explanation:** A record in the Control-D database was changed after the user has received it, that is, after it was read and before it was updated.

The request fails.

**Corrective Action:** Refresh received data, and issue the update request again.

Messages CTDQ00 through CTDQxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDQ01E SYNTAX ERROR $err_num$ IN LINE $lineNum$ OF MEMBER $$$CLIQUE$

**Explanation:** When entering parameters in the Control-D Objects Entry Panel (Screen DO), the parsing of the $$$CLIQUE Report Cliques description member failed.

**Corrective Action:** Fix the $$$CLIQUE member in the IOA MSG library.

CTDQ02E INVALID CLIQUE FORMAT

**Explanation:** While attempting to create a new Report Clique definition in the Control-D Report Cliques Entry Panel (Screen DO.1), the command NEW was typed with an invalid format.

The SELECT FORMAT window is displayed.

**Corrective Action:** No action is required.

CTDQ03E SYNTAX ERROR IN REPORT CLIQUE TEXT; KEYWORD=$keywd$

**Explanation:** The requested entry contains invalid data in the $keywd$ keyword.

**Corrective Action:** Correct the non-valid value using DO screen.
CTDQ04E MISSING VALUE FOR MANDATORY KEYWORD

Explanation: No value was inserted in a mandatory keyword.
Corrective Action: Insert a value for the keyword.

CTDQ05E VALUE LENGTH IS NOT IN RIGHT BOUNDS

Explanation: The value that has been inserted in a keyword is either too long or too short.
Corrective Action: Correct the keyword value.

CTDQ06E INVALID NUMBER

Explanation: The value that has been inserted in a keyword that requires a numeric value is not a valid number.
Corrective Action: Correct the keyword value.

CTDQ07E NUMBER IS NOT IN RIGHT BOUNDS

Explanation: The value that has been inserted in a keyword that requires a numeric value is either too small or too large.
Corrective Action: Correct the keyword value.

CTDQ08E COMBO VALUE DOES NOT MATCH ANY OPTION

Explanation: The value that has been inserted in a keyword does not correspond to one of the options on the screen.
Corrective Action: Correct the keyword value.

CTDQ09E REPORT CLIQUE cliqName ALREADY EXISTS

Explanation: An attempt has been made to save a new Report Clique definition using a name that has already been used for an existing Report Clique definition.
Corrective Action: Save the new Report Clique definition under a different name.

CTDQ0AE OBJECT NOT FOUND

Explanation: A file entry has been selected for editing, deleting, or browsing, but the file entry does not exist. Perhaps the object was deleted by another user or CTD/WA working simultaneously.
Corrective Action: Check the parallel processing in LOG using the Log screen, which you access through the IOA Primary Option menu. Use the CTDDIG utility to check the integrity of the Permanent User file (for object types 1-4) or the Active User file (for object type 5).

CTDQ0CE THIS COMMAND IS ALLOWED IN EDIT MODE ONLY

Explanation: The command "SAVE" was entered, but the user entered the Report Clique screen (Screen DO.Z) in Browse mode.
The SAVE command is rejected.
Corrective Action: No action is required.

CTDQ0DE TO BROWSE RESOURCES OF TYPE 'CLIQUE' USE OPTION 4 ON OBJECTS ENTRY PANEL

Explanation: Having opened the Control-D Resources Entry Panel (Screen DO.3) by entering "3" in the COMMAND field of the Control-D Objects Entry Panel (Screen DO), the user entered "CLQ" in the RESOURCE TYPE field.

The Control-D Resources Entry Panel (Screen DO.3) is designed to list resources of all types other than Clique Resources.

The selection of the CLQ option is rejected.

Corrective Action: Exit the Control-D Resources Entry Panel (Screen DO.3) and open the Control-D Clique Resources Entry Panel (Screen DO.4).

CTDQ0EW THE UNKNOWN KEYWORD(S) WILL BE DELETED FROM THE CLIQUE DURING SAVE

Explanation: A Control-D Report Clique contains keywords that are not defined in the Report Clique description member, because the member has been changed since the Report Clique was last saved. The user has edited and then tried to save the Report Clique. This message warns that the undefined keywords will be deleted when the Report Clique is saved.

Corrective Action: No action is required.

CTDQ0GE THE OPTION IS NOT ALLOWED ON THIS LINE

Explanation: In one of the following Control-D screens
- the Resources List screen (Screen DO.R)
- the Reports Cliques List screen (Screen DO.C)
- the Resource Sets List screen (Screen DO.T)

The user typed D (delete) beside a line, but the line had already been deleted.

Corrective Action: No action is required.

CTDQ0HW ONLY THE FIRST 200000 BYTES OF THE HUGE RESOURCE CAN BE BROWSED

Explanation: An attempt has been made to browse a very large resource from the Control-D Resources List screen (Screen DO.R), but no more than 200,000 bytes of data can be browsed from this screen.

Only the first 200,000 bytes of data are displayed.

Corrective Action: No action is required.

Messages CTDR00 through CTDRxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
CTDR01E INVALID PARAMETER, VALID PARAMETER: MODE=TEST OR MODE=PROD

**Explanation:** A MODE parameter error was detected in the CTDRS utility.
The CTDRS utility terminates with a condition code of 8.

**Corrective Action:** Correct the JCL and rerun the job. The MODE parameter in the CTDRS utility must be set to one of the following values:
- **TEST** - The utility runs in simulation mode and performs an analysis. It issues error messages that indicate when there are orphan RESSET records and RESOURCES.
- **PROD** - The utility runs in production mode and deletes orphan RESSET, RESOURCE records from the permanent user file, and members from the Control-D RESLIB library.

CTDR02I UTILITY CTDRS STARTED IN mode MODE

**Explanation:** This information message indicates that the CTDRS -- Delete orphan resource records utility started in TEST or PROD mode.

**Corrective Action:** No action is required.

CTDR03E ORPHAN RESOURCE SET jobName/counter IS DETECTED

**Explanation:** The CTDRS utility detected an orphan RESSET record. The variables in this message are:
- **jobName** - The name of the job to which the orphan RESSET record belongs.
- **counter** - The counter part of the orphan RESSET record key.
If the CTDRS utility is running in PROD mode, the orphaned RESSET record will be removed.

**Corrective Action:** No action is required.

CTDR04E RESOURCE SET IS MISSING FOR SYSDATA jobName/counter FILE {ACT | HST | MIG}

**Explanation:** This message indicates that the CTDRS utility cannot find the RESSET record that was referred by the SYSDATA record jobName/counter. The variables in this message are:
- **jobName** - The name of the job to which the SYSDATA record belongs.
- **counter** - The counter part of the SYSDATA record key.
The CTDRS utility continues processing.

**Corrective Action:** An end-user might experience problems when viewing a corresponding report. Investigate why the RESSET record was removed and try to restore the missing RESSET record to its original state.

CTDR05I SYSDATA RECORDS WITH RESOURCE SET IN THE {ACT | HST | MIG} FILE num

**Explanation:** This information message indicates the number of found SYSDATA records which contain references to RESSET records in the specified user file.
Corrective Action: No action is required.

CTDR06I ORPHAN RESOURCE SET jobName/counter IS DELETED
Explanation: This information message is issued by the CTDRSD utility and indicates that the utility has deleted the orphaned RESSET record. The variables in this message are:
- jobName - The name of the job to which the orphan RESSET record belongs.
- counter - The counter part of the orphan RESSET record key.
Corrective Action: No action is required.

CTDR07I UTILITY CTDRSD ENDED.
Explanation: This information message indicates that the CTDRSD -- Delete orphan resource records utility ended.
Corrective Action: No action is required.

CTDR08I NO ERRORS DETECTED.
Explanation: This information message indicates that the CTDRSD utility ended with no errors detected.
Corrective Action: No action is required.

CTDR09I ORPHAN RESOURCE SET RECORDS num
Explanation: This information message displays the number of found orphan RESSET records.
Corrective Action: No action is required.

CTDR0AE ERROR WHILE LOADING CTDAOBJ IS ENCOUNTERED
Explanation: An error occurred during an attempt to load the CTDAOBJ module. Possible causes are:
- The IOA Load library is not in the load modules search list.
- There is not enough memory to load the module.
- The CTDAOBJ module does not exist in the Load library.
- The IOA Load library is in the Linklist, and someone has updated the library without performing a refresh for the LLA.
- There is some other system-oriented reason which may be found in the syslog.
The CTDRSD utility ends with a condition code of 16.
Corrective Action: Try the following options to resolve the error:
Look on the system log for additional messages related to the problem. Then try one of the following:

- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed because of lack of memory, increase the region size.
- If the Load library has been modified and the IOA Load library is in the Linklist, refresh LLA.
- Rerun the CTDRSD utility.

**CTDR0BE OPEN FAILED FOR OBJECT FILE RC = rc**

**Explanation:** The CTDRSD utility failed to open the OBJECT database. In this message, `rc` is the return code generated by the error.

The CTDRSD utility ends with a condition code of 16.

**Corrective Action:** Check the IOALOG and the system log for messages which indicate the reason that the open failed. If you are unable to solve the problem, report the contents of the messages to BMC Software Customer Support.

**CTDR0CI RESOURSE SET RECORDS IN THE PERMANENT USER FILE num**

**Explanation:** This information message displays the number of RESSET records found in the User file.

**Corrective Action:** No action is required.

**CTDR0DE GET RESOURCE SET LIST ERROR**

**Explanation:** An error occurred while accessing a RESSET record list. This message accompanies additional messages, which provide detailed information.

The CTDRSD utility ends with a condition code of 16.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. If you are unable to solve the problem, report the contents of the messages and any additional error messages to BMC Software Customer Support.

**CTDR0EE SORT FAILED WITH RC = rc**

**Explanation:** The site SORT utility, which was invoked by the CTDRSD, has ended with errors. In this message, `rc` is the return code generated by the SORT utility.

The CTDRSD utility ends with a condition code of 16.

**Corrective Action:** Refer to the SORT messages of the job and to the user guide for the SORT facility used at your site. If necessary, call your system programmer for assistance.

**CTDR0FE OPEN OF SORT FILE FAILED. DDNAME ddname**

**Explanation:** An OPEN failure for the `ddname` DD statement was detected for the CTDRSD utility. The main program of the CTDRSD utility could not open the `ddname` DD statement. The specified DD statement is missing from the JCL for the CTDRSD utility.

The CTDRSD utility ends with a condition code of 16.

**Corrective Action:** Add the missing DD statement and rerun the CTDRSD utility.
CTDR0GE GET RESOURCE LIST ERROR

**Explanation:** An error occurred while accessing a RESOURCE list. This message accompanies additional messages, which provide detailed information.

The CTDRSU utility ends with a condition code of 16.

**Corrective Action:** Check the IOA Log and the system log for additional error messages. If you are unable to solve the problem, report the contents of the messages and any additional error messages to BMC Software Customer Support.

CTDR0HI RESOURCES IN THE PERMANENT USER FILE num

**Explanation:** This information message displays the number of RESOURCE records found in the permanent user file.

**Corrective Action:** No action is required.

CTDR0IE RESOURCE res_name/res_typ/rep_format/res_sum IS MISSING FOR RESOURCE SET jobName/counter

**Explanation:** This message indicates that the CTDRSU utility cannot find the RESOURCE record or the member of the Control-D RESLIB library that has been referred by the RESSET record jobName/counter. The variables in this message are:

- res_name - The name of the requested resource.
- res_typ - The code of the type of the requested resource.
- rep_format - The code of the format of the decollated report.
- res_sum - The checksum of the requested resource.
- jobName - The name of the job to which the orphan RESSET record belongs.
- counter - The counter part of the orphan RESSET record key.

The CTDRSU utility continues processing.

**Corrective Action:** An end-user might have problems with viewing the corresponding report. Investigate why the RESOURCE was removed and try to restore the missing resource to its original state.

CTDR0JE ORPHAN RESOURCE res_name/res_typ/rep_format/res_sum IS DETECTED

**Explanation:** The CTDRSU utility detected an orphan RESOURCE. The variables in this message are:

- res_name - The name of the requested resource.
- res_typ - The code of the type of requested resource.
- rep_format - The code of the format of the decollated report.
- res_sum - The checksum of the requested resource.

If the CTDRSU utility is running in PROD mode, the orphaned RESSET record will be removed.

**Corrective Action:** No action is required.
CTDR0KE ORPHAN CLIQUE RESOURCE Rep_Clique_name/res_sum IS DETECTED

**Explanation:** The CTDRSD utility detected an orphan CLIQUE RESOURCE. The variables in this message are:

- *Rep_Clique_name* - The Report Clique Definition name.
- *res_sum* - The checksum of the requested Report Clique resource.

If the CTDRSD utility is running in PROD mode, the orphaned CLIQUE RESOURCE will be removed.

**Corrective Action:** No action is required.

CTDR0LI ORPHAN RESOURCE res_name/res_typ/rep_format/res_sum IS DELETED

**Explanation:** This information message is issued by the CTDRSD utility and indicates that the utility has deleted the orphaned RESOURCE. The variables in this message are:

- *res_name* - The name of the requested resource.
- *res_typ* - The code of the type of the requested resource.
- *rep_format* - The code of the format of the decollated report.
- *res_sum* - The checksum of the requested resource.

**Corrective Action:** No action is required.

CTDR0MI ORPHAN CLIQUE RESOURCE Rep_Clique_name/res_sum IS DELETED

**Explanation:** This information message is issued by the CTDRSD utility and indicates that the utility has deleted the orphaned CLIQUE RESOURCE. The variables in this message are:

- *Rep_Clique_name* - The Report Clique Definition name.
- *res_sum* - The checksum of the requested Report Clique resource.

**Corrective Action:** No action is required.

CTDR0NI ORPHAN RESOURCES num

**Explanation:** This information message displays the number of found orphan RESOURCE records from the permanent user file and/or members of the Control-D RESLIB library.

**Corrective Action:** No action is required.

CTDR0OE CLIQUE RESOURCE Rep_Clique_name/res_sum IS MISSING FOR RESOURCE SET jobName/counter

**Explanation:** This message indicates that the CTDRSD utility cannot find the CLIQUE RESOURCE referred by the RESSET record *jobName/counter*. The variables in this message are:
- **res_sum** - The checksum of the requested Report Clique resource.
- **jobName** - The name of the job to which the RESSET record belongs.
- **counter** - The counter part of the RESSET record key

The CTDRSD utility continues processing.

**Corrective Action:** An end-user might experience problems when attempting to view the corresponding report. Investigate why the CLIQUE RESOURCE was removed and try to restore the missing CLIQUE RESOURCE to its original state.

**CTDROPE ORPHAN RESOURCE res_name/res_typ/rep_format/res_sum IS NOT DELETED**

**Explanation:** Either the orphaned RESOURCE record from the permanent user file or a member of the Control-D RESLIB library was not deleted by the CTDRSD utility. This message follows other messages that explain the nature of the error. The variables in this message are:
- **res_name** - The name of the requested resource.
- **res_typ** - The code of the type of the requested resource.
- **rep_format** - The code of the format of the decollated report.
- **res_sum** - The checksum of the requested resource.

The CTDRSD utility continues processing.

**Corrective Action:** Review the messages that precede this message for reasons for the deletion failure.

**CTDROQE ORPHAN CLIQUE RESOURCE Rep_Clique_name/res_sum IS NOT DELETED**

**Explanation:** The orphaned CLIQUE RESOURCE was not deleted by the CTDRSD utility. This message follows other messages that explain the nature of the error. The variables in this message are:
- **res_sum** - The checksum of the requested Report Clique resource.

The CTDRSD utility continues processing.

**Corrective Action:** Review the messages that precede this message for reasons for the deletion failure.

**CTDRORE RESOURCE SET jobName/counter IS NOT DELETED**

**Explanation:** The orphaned RESSET record was not deleted by the CTDRSD utility. This message follows other messages that explain the nature of the error. The variables in this message are:
- **jobName** - The name of the job to which the orphan RESSET record belongs.
- **counter** - The counter part of the orphan RESSET record key.

The CTDRSD utility continues processing.
Corrective Action: Review the messages that precede this message for reasons for the deletion failure.

CTDR0SI  DELETED RESOURCE SET RECORDS num
Explanation: This information message displays the number of deleted RESSET records.
Corrective Action: No action is required.

CTDR0TI  DELETED RESOURCES num
Explanation: This information message displays the number of deleted RESOURCE records from the permanent user file and/or members of the Control-D RESLIB library.
Corrective Action: No action is required.

CTDRS0I  CTDUFPRRT STARTED
Explanation: This information message indicates that CTDRSTMS, the massive restore request utility, has started.
Corrective Action: No action is required.

CTDRS1E INVALID PARAMETER: parm
Explanation: The parm input parameter specified for the CTDRSTMS utility is not valid.
The utility stops.
Corrective Action: Correct the invalid input parameter and rerun the job.

CTDRS2E REDUNDANT PARAMETER: parm
Explanation: The parm input parameter for the CTDRSTMS utility has already been specified.
The utility stops.
Corrective Action: Delete the extra input parameter from the JCL and rerun the job.

CTDRS3E THE PARAMETER parm MUST BE SPECIFIED
Explanation: The required parm input parameter for the CTDRSTMS utility is missing.
The utility stops.
Corrective Action: Insert the missing parameter into the JCL and rerun the job.

CTDRS6I NUMBER OF SELECTED RECORDS: number
Explanation: This information message issue displays the total number of records selected by the CTDRSTMS utility.
Corrective Action: No action is required.

CTDRSEI  CTDUFRST ENDED WITH ERRORS
Explanation: This information message indicates that the CTDRSTMS utility finished with errors.
Corrective Action: Examine other messages relating to the CTDRSTMS utility to identify and fix the problem, and then rerun the utility.

CTDRSF1 CTDRSTMS ENDED OK
Explanation: This information message indicates that the CTDRSTMS utility finished successfully.
Corrective Action: No action is required.

CTDRSGI KEY='reportKey', ODATE=date
Explanation: This information message identifies a report that was selected by the CTDRSTMS utility.
The variables in the message are:
- reportKey - VSA key of the selected report.
- date - decollation mission order date of the report. The date format is one of the following, depending on the site standard defined in the IOAPARM installation member.
  - dd/mm/yy
  - mm/dd/yy
  - yy/mm/dd
Corrective Action: No action is required.

CTDRSHI LIST OF SELECTED REPORTS:
Explanation: This information message is the title for the list of selected reports (CTDRSGI messages) that are issued by the CTDRSTMS utility.
Corrective Action: No action is required.

Messages CTDS00 through CTDSxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDS20E ACCESS DENIED FOR USER userName: rsn
Explanation: The IOASE16 security module or the IOAZ016 user exit rejected the request to log on to the Control-D Application Server. The message displays the reason provided by the security package for rejecting the user.
For an explanation of the reason code (rsn), see your security software documentation.
The variables in this message are:
- userName - the name of the user
- rsn - the reason for denying access
The login request is rejected.
Corrective Action: Check that the user name and password are spelled correctly and retry. If necessary, contact your security administrator.

CTDS21W fileName user file unlocked. Lock was done by progName rc=rc.

Explanation: A post processing request routine revealed that one of the user files was held and not released during request processing. The routine releases the file.

The variables in this message are:
- fileName - the name of the user file. Valid values are:
  - ACT
  - MIG
  - HST
- progName - the name of the program that held and did not release the file
- rc - the return code of the release command. A return code of 04 means that the file was successfully released. A return code greater than 04 means that there was an error in the release command.

Corrective Action: No action is required.

Messages CTDT00 through CTDTxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDT01I TRANSFER START GROUP groupId REPORT repId

Explanation: This information message indicates that the transfer of the repId report in the groupId group from the Control-D Session Agent started.

Corrective Action: No action is required.

CTDT02I TRANSFER ENDED OK GROUP groupId, BYTES numBytes (trfr_rate BYTES/SEC), REPORT repId

Explanation: This information message indicates that the transfer of the repId report in the groupId group from the Control-D Session Agent ended successfully.

The variables in this message are:
- groupId - the identity of the group that contains repId
- repId - the identity of the report that was transferred
- numBytes - the number of bytes transferred
- trfr_rate - the transfer rate, in bytes per second

Corrective Action: No action is required.
CTDT04E FUNCTION func WAS SUPRESSED BY CTDSE27/CTDX027 EXIT GROUP groupId REPORT repId

Explanation: A File Transfer option function has been suppressed, either by Control-D Security Exit 27, or by Control-D User Exit 27.

The variables in this message are:
- func - the File Transfer option function that was suppressed
- groupId - the identity of the group that contains repId
- repId - the identity of the report that was to be transferred

The repId report is not transferred.

Corrective Action: If you use Control-D Security Exit 27 to perform some special function instead of or in addition to the standard function, no intervention is required.
Otherwise, correct Control-D Security Exit 27 or Control-D User Exit 27.

CTDT05E UNEXPECTED RETURN CODE rc FOR FUNCTION func FROM CTDSE27/CTDX027 EXIT GROUP groupId REPORT repId

Explanation: An unexpected return code was returned by either Control-D User Exit 27 or Control-D Security Exit 27.

The variables in this message are:
- rc - the return code
- func - the function that was being performed when rc was returned
- groupId - the identity of the group that contains repId
- repId - the identity of the report on which func was being performed

The transfer of repId from the Control-D Session Agent is terminated.

Corrective Action: Correct Control-D Security Exit 27 or Control-D User Exit 27.

CTDT06E ERROR IN FTOPARM errorText

Explanation: An error was found in the text of a member in the Control-D FTOPARM library.
The transfer of the current message from the Control-D Session Agent is terminated.

Corrective Action: Correct the problematic text in the Control-D FTOPARM library.

CTDT07E TRANSFER HAS BEEN TERMINATED GROUP groupId, BYTES numBytes (trfr_rate BYTES/SEC), REPORT repId

Explanation: The transfer of a report has been terminated.
The variables in this message are:
The transfer of repId is terminated.

**Corrective Action:** Examine accompanying messages that explain the reason for the termination of this transfer.

CTDT08E TRANSFER ENDED NOT OK GROUP groupId, BYTES numBytes (trfr_rate BYTES/SEC), REPORT repId

**Explanation:** The transfer of a report ended unsuccessfully (NOT OK).

The variables in this message are:

- **groupId** - the identity of the group that contains repId
- **numBytes** - the number of bytes transferred
- **trfr_rate** - the transfer rate, in bytes per second
- **repId** - the identity of the report that was being transferred

**Corrective Action:** Examine accompanying messages that explain the reason for the transfer ending NOT OK.

CTDTR0I CTDUPTR UTILITY STARTED

**Explanation:** This information message indicates that CTDUPTR, the utility that updates the Control-D recipient tree, has begun.

**Corrective Action:** No action is required.

CTDTR1I CTDUPTR UTILITY COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTDUPTR utility finished without errors.

**Corrective Action:** No action is required.

CTDTR2E CTDUPTR UTILITY ENDED WITH ERRORS

**Explanation:** This information message indicates that the CTDUPTR utility discovered problems during processing. Additional information on the problems discovered is available in the job log.

The utility stops.

**Corrective Action:** Examine the job log for error messages describing the problem. Make any necessary corrections and rerun the utility.
CTDTR3I CONTROL-D RECIPIENT TREE MEMBER \textit{memname} SAVED

\textbf{Explanation:} This information message indicates that the Control-D recipient tree member (\textit{memname}) has been updated by the CTDUPTR utility and saved in the library.

\textbf{Corrective Action:} No action is required.

CTDTR4E INVALID PARAMETER: \textit{parm}

\textbf{Explanation:} The \textit{parm} input parameter specified in the JCL for the CTDUPTR utility is not valid. The utility stops.

\textbf{Corrective Action:} Correct the invalid input parameter (\textit{parm}) in the JCL and rerun the utility.

CTDTR5E THE PARAMETER \textit{parm} MUST BE SPECIFIED

\textbf{Explanation:} The \textit{parm} input parameter for the CTDUPTR utility is missing. The CTDUPTR utility requires the \textit{parm} parameter.

The utility stops.

\textbf{Corrective Action:} Add the missing parameter to the JCL and rerun the utility.

CTDTR6E REDUNDANT PARAMETER: \textit{parm}

\textbf{Explanation:} The \textit{parm} input parameter for the CTDUPTR utility has already been specified. The same parameter is specified twice.

The utility stops.

\textbf{Corrective Action:} Remove the extra input parameter from the JCL and rerun the utility.

CTDTR7E NO OPERATIONS SPECIFIED IN THE INPUT PARAMETERS

\textbf{Explanation:} No operations have been found in the input parameters for the CTDUPTR utility. The input parameters should contain at least one of the following operations:

- SELECT
- DELETE
- INSERT
- COPY

The utility stops.

\textbf{Corrective Action:} Correct the input parameters and rerun the job.

CTDTR8E RECIPIENT LEVEL \textit{lv} IS NOT DEFINED IN CTDParm

\textbf{Explanation:} The recipient level \textit{lv} specified in the input parameter for the CTDUPTR utility is not found in the available levels list in CTDParm.

The utility stops.

\textbf{Corrective Action:} Use the following procedure:
1. Examine the input parameters in the JCL.
2. Do one of the following actions:
   3. Correct the value for the recipient level
   4. Add the new level to CTDParm
   5. Rerun the utility.

**CTDTR9I  CTDUPTR UTILITY IS RUNNING IN SIMULATION MODE**

**Explanation:** This information message indicates that the CTDUPTR utility is running in simulation mode because the MODE=TEST parameter has been specified.

The utility issues the updating report but does not save the updated Recipient tree member in the library.

**Corrective Action:** If all update actions in the issued report are correct, set the MODE parameter to PROD (MODE=PROD) and run the utility to update the Recipient Tree.

**CTDTRAW  RECIPIENT  *recipient name* IS NOT DELETED BECAUSE IT HAS CHILD ELEMENTS**

**Explanation:** This warning message is issued when a DELETE operation is specified, without the WITHCHILD parameter, for a recipient that has child elements.

The utility skips the DELETE operation and continues processing.

**Corrective Action:** Use the following procedure:

1. Verify the specified recipient and all its child elements should be deleted.
2. If the recipient should be deleted, add the WITHCHILD parameter to the DELETE operation.
3. Rerun the utility.

**CTDTRBI  NUMBER OF RECIPIENTS IN THE TREE IS  *nnnnnnn*.

**Explanation:** This information message indicates that the Control-D Recipient tree contains *nnnnnn* recipient entries after updating by the CTDUPTR utility.

**Corrective Action:** No action is required.

**CTDTRCI  THE RECIPIENT TREE MEMBER  *memname* IS NOT SAVED**

**Explanation:** This information message indicates that the CTDUPTR utility did not save the updated Recipient tree member *memname* in the library.

The utility issues the updating report but the updated Recipient tree member is not saved in the library.

**Corrective Action:** This message is issued in the following cases:
The utility ran in TEST mode. For more information, see the explanation of message CTDTR9I.

The utility discovered problems during processing. Examine the job log for error messages describing the problem, correct the problem and rerun the utility.

CTDTRDE RECIPIENT=recipient name, STATEMENT=statement

**Explanation**: This message follows the error message CTD003E and gives information on the Recipient tree member statement causing the error.

The utility stops.

**Corrective Action**: Use the following procedure to correct this problem:

1. Verify that the Recipient tree member name (*recipient name*) specified is correct.
2. If the member name is incorrect, set the MEMBER parameter to the correct value.
3. If the member name is correct, check the specified statement in this member and make the appropriate changes to fix the problem.
4. Rerun the utility.

CTDTREW RECIPIENT recipient name IS NOT FOUND TO BE COPIED

**Explanation**: This warning message is issued when the recipient entry, specified as the source for a COPY operation, is not found in the recipient tree.

The utility skips the COPY operation and continues processing.

**Corrective Action**: Correct the *recipient name* specified as the source to be copied and rerun the utility.

CTDTRFW NO RECIPIENTS SATISFY TO operation PARAMETERS

**Explanation**: This warning message indicates that no recipient entries satisfied the selection parameters specified for the SELECT or DELETE operation.

The operation is skipped and the utility continues processing.

**Corrective Action**: Adjust the selection parameters and rerun the utility.

CTDTRGW CTDUPTR UTILITY COMPLETED WITH WARNINGS

**Explanation**: This warning message indicates that the CTDUPTR utility finished processing and wrote warning messages to the job log.

The utility ends with the return code 4. If PROD mode has been specified, the updated Recipient tree member is saved in the library.

**Corrective Action**: Make the appropriate changes to the JCL based on the information contained in the warning messages in the job log and rerun the utility.

CTDTRHW RECIPIENT=recipient name, PARAMETER=parameter

**Explanation**: This message indicates the parameter line that caused the warning message (either CTDTRIW or CTDTRJW) that follows this line.
The problematic parameter line is skipped and the utility continues processing.  

**Corrective Action:** For information on how to correct the parameter line, see the User actions for the CTDTRIW or CTDTRJW message.

**CTDTRIW ENTRY SPECIFIED FOR DELETION IS NOT FOUND**

**Explanation:** This warning message indicates that a description line, address line, synonym or authorized TSO user specified to be deleted from a recipient entry is not found. The preceding CTDTRHW message indicates the parameter line that caused the warning.

The parameter line, indicated by the CTDTRHW message, is skipped and the utility continues processing.  

**Corrective Action:** Correct the parameter line indicated by the CTDTRHW message and rerun the utility.

**CTDTRJW DUPLICATE ENTRY IS NOT ADDED**

**Explanation:** This warning message indicates that a description line, address line, synonym or authorized TSO user specified to be added to a recipient entry already exists. The preceding CTDTRHW message indicates the parameter line that caused the warning.

The parameter line, indicated by the CTDTRHW message, is skipped and the utility continues processing.  

**Corrective Action:** Correct the parameter line indicated by the CTDTRHW message and rerun the utility.

**CTDTRLI nnnnnnn NEW RECIPIENTS WERE ADDED**

**Explanation:** This information message indicates the number of recipients (nnnnnnn) added to the Control-D recipient tree during the CTDUPTR utility run.

**Corrective Action:** No action is required.

**CTDTRMI nnnnnnn RECIPIENTS WERE DELETED**

**Explanation:** This information message indicates the number of recipients (nnnnnnn) deleted from the Control-D recipient tree during the CTDUPTR utility run.

**Corrective Action:** No action is required.

**CTDTRNI nnnnnnn RECIPIENTS WERE UPDATED**

**Explanation:** This information message indicates the number of recipients (nnnnnnn) updated in the Control-D recipient tree during the CTDUPTR utility run.

**Corrective Action:** No action is required.

**CTDTROI nnnnnnn RECIPIENTS WERE COPIED**

**Explanation:** This information message indicates the number of recipients (nnnnnnn) copied to another recipient in the Control-D recipient tree during the CTDUPTR utility run.

**Corrective Action:** No action is required.

**CTDTRPE PARAMETER LENGTH EXCEEDED: parm**

**Explanation:** The parm input parameter exceeds the maximum allowable length.
The utility stops.

**Corrective Action:** No action is required.

**Messages CTDU00 through CTDUxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**CTDU10E fileType USER FILE ERROR error**

**Explanation:** An error occurred while accessing a User Reports List file. This message is written to the IOA Log file by the user file interface routine.

The variables in this message are:

- **fileType** - the type of User Reports List file component. Valid values for the data component are:
  - ACT
  - PRM
  - HST
  - MG
  - MG \( n \), where \( n \) is the migrated partition number

Valid values for the index component are composed of the index component letter, followed the data component values.

- **error** - the error description

Control returns to the calling routine which usually issues the CTD908S message.

**Corrective Action:** Do one of the following, depending on the value of **error**:

- If the value of **error** is INCORRECT FORMAT OF DATA / INDEX FILE, use the IOADBF utility to reformat the problematic file.
- If the value of **error** is RECORD NOT FOUND IN THE DATA FILE or INDEX RECORD DOES NOT MATCH DATA RECORD, use the CTDDIB utility to rebuild the index file.
- If the value of **error** is FILE IS NOT CONVERTED ACCORDING TO WD1164, use the CTDDIB utility to rebuild the index file.
- If the value of **error** is DATA FILE OVERFLOW or INDEX FILE OVERFLOW, enlarge the problematic file by running the IOADBF utility with the EXTEND function.

**Note:**

You can prevent this problem in the future by defining a secondary space allocation and automatic extension in the corresponding Space Calculation Step. You can find this using ICE:

1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 5, Customize Control-D User Files.
   - If the value of error is ALTERNATIVE INDEX DEFINITION MISMATCHES LRECL, check and correct
     the alternative index definition in the DEF xxxi or DEFALTI members or both, and rerun the
     CTDUFDBF, CTDUFANX, and CTDDIB utilities to recreate the alternative index component.

**CTDU11I** *opn* OPERATION FOR *fileName* FILE FROM *pgm* PROGRAM IN
*modeType* MODE

**Explanation:** This information message indicates that accesses to user files were traced as requested by
optional wish WD2370.

**Corrective Action:** No action is required.

**CTDU99E** *fileType* FILE RC=rc FUNC *func* PGM *pgmCsect* ID=xx /yyy LAST
KEY=lastKey

**Explanation:** An error occurred while accessing a User Report List file.

This message accompanies the CTD908S message, and provides additional information.

The variables in this message are:

- *fileType* - the type of User Report List file component. Valid values for the data component are:
  - ACT
  - PRM
  - HST
  - MIG
  - MG n, where n is the migrated partition number

Valid values for the index component are composed of the index component letter, followed by the data
component values.

- rc - return code
- func - the operation that caused the error
- pgmCsect - the program CSECT that received the error
- xx/yyy - an identifier for localizing the erroneous call
- lastKey - the key in the data or index file

Return codes may range from 004 through 399. The return codes from 300 through 399 relate to index
components. Their explanations are the same as the corresponding return codes in the range from 100
through 199, which relate to data components.
The following table lists and explains the possible values for the return code (`rc`):

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
</table>
| 004 | - Read operation: EOF.  
- Add index operation: Duplicate Key.  
- Update operation: Record was changed. 0i |
<p>| 008 | Duplicate key.                                                             |
| 012 | Incorrect record for update.                                               |
| 016 | The record was not found (probably deleted), or an invalid record was read, or the function is not correct. |
| 020 | Insufficient memory to open an IOA Access Method file.                     |
| 024 | Not enough space in data file.                                             |
| 028 | Not enough space in index file.                                            |
| 032 | The current call terminates because the previous open failed.             |
| 036 | Incorrect record length.                                                   |
| 040 | Internal error.                                                            |
| 044 | Internal error.                                                            |
| 052 | Invalid key fields.                                                        |
| 056 | Key is too long.                                                           |
| 058 | For future use.                                                            |
| 060 | Index record does not match data record.                                   |
| 064 | Wish WD1164 setting does not match file contents.                          |
| 068 | Incorrect parameter for Interface routine.                                 |
| 072 | Incorrect file type.                                                       |
| 106 | Record not found.                                                          |
| 108 | Record not found. Invalid extent number.                                   |</p>
<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>109</td>
<td>Record not found. Invalid block number.</td>
</tr>
<tr>
<td>110</td>
<td>Internal error. Record not found. Invalid extent number.</td>
</tr>
<tr>
<td>111</td>
<td>Internal error. Record not found. Invalid block number.</td>
</tr>
<tr>
<td>112</td>
<td>Insufficient memory for internal buffers.</td>
</tr>
<tr>
<td>113</td>
<td>Open failed for database file.</td>
</tr>
<tr>
<td>114</td>
<td>RDJ FCB failed for database file.</td>
</tr>
<tr>
<td>116</td>
<td>Corrupted free list.</td>
</tr>
<tr>
<td>118</td>
<td>Corrupted record.</td>
</tr>
<tr>
<td>119</td>
<td>Record not found.</td>
</tr>
<tr>
<td>120</td>
<td>Invalid QNAME.</td>
</tr>
<tr>
<td>121</td>
<td>Bad record in free list.</td>
</tr>
<tr>
<td>122</td>
<td>Invalid data set name in control record.</td>
</tr>
<tr>
<td>124</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>128</td>
<td>IOAPARM load failed.</td>
</tr>
<tr>
<td>132</td>
<td>Add failed. Record too long.</td>
</tr>
<tr>
<td>136</td>
<td>I/O error.</td>
</tr>
<tr>
<td>144</td>
<td>EXCP init error.</td>
</tr>
<tr>
<td>146</td>
<td>For future use.</td>
</tr>
<tr>
<td>148</td>
<td>Invalid data set name or DD name is too long.</td>
</tr>
<tr>
<td>150</td>
<td>Locate failed.</td>
</tr>
<tr>
<td>152</td>
<td>SVC 99 allocate failed.</td>
</tr>
<tr>
<td>154</td>
<td>SVC 99 unallocate failed.</td>
</tr>
<tr>
<td>156</td>
<td>Dual database not up to date - aborting.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>158</td>
<td>For future use.</td>
</tr>
<tr>
<td>160</td>
<td>Link of IOADBF failed.</td>
</tr>
<tr>
<td>164</td>
<td>A dynamic allocation error occurred (for example, out of space condition, security problems). See dynamic allocation error messages in job log.</td>
</tr>
<tr>
<td>166</td>
<td>Control record cannot be updated because it is not enqueued.</td>
</tr>
<tr>
<td>168</td>
<td>Update failed. Record too long. No room in block.</td>
</tr>
<tr>
<td>170</td>
<td>IOADBSB# load failed.</td>
</tr>
<tr>
<td>172</td>
<td>READQ failed. Another block is already enqueued.</td>
</tr>
<tr>
<td>174</td>
<td>Function OPEN0 (exclusively) failed.</td>
</tr>
<tr>
<td>176</td>
<td>Function UPDATE0 failed. Data corrupted.</td>
</tr>
<tr>
<td>178</td>
<td>Function UPDATE0 failed. No appropriate enq.</td>
</tr>
<tr>
<td>180</td>
<td>Buffering not initialized. Internal error.</td>
</tr>
<tr>
<td>182</td>
<td>ENQ error.</td>
</tr>
<tr>
<td>184</td>
<td>Error during record compression / decompression.</td>
</tr>
<tr>
<td>186</td>
<td>Attempted to write the wrong extent of a multi-extent data set.</td>
</tr>
<tr>
<td>204</td>
<td>Record not found.</td>
</tr>
<tr>
<td>208</td>
<td>Error accessing the file.</td>
</tr>
<tr>
<td>212</td>
<td>Insufficient memory for internal buffers.</td>
</tr>
<tr>
<td>216</td>
<td>Internal error.</td>
</tr>
<tr>
<td>218</td>
<td>The structure of the index tree is corrupted. A key on a higher level of the tree does not match the last key on a lower level.</td>
</tr>
<tr>
<td>219</td>
<td>The structure of the index tree is corrupted. The indicated key value, or a higher value, was not found in the block.</td>
</tr>
<tr>
<td>220</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>224</td>
<td>Invalid timestamp</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>284</td>
<td>Invalid chain of index elements - rebuild index and rerun process.</td>
</tr>
</tbody>
</table>

The system action depends on which component was accessing the user file. Usually, the current routine terminates. Additional messages clarifying the source of the error are written to the IOA Log file before this message.

**Corrective Action:** Do the following:

1. For return codes 200 and higher,
   - rebuild the index component
   - rerun the process
2. For all other return codes,
   - search the IOA Log file and the relevant job log for messages clarifying the source of the error
   - correct the error
   - rerun the job
3. If the error persists, contact BMC Software Customer Support.

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**CTDUF01 CTDUFPR T STARTED**

**Explanation:** This information message indicates that CTDUFPR T, the user records printing utility, started.

**Corrective Action:** No action is required.

---

**CTDUF1E INVALID PARAMETER: parm**

**Explanation:** The `parm` input parameter specified for the CTDUFPR T utility is not valid. The utility stops.

**Corrective Action:** Correct the invalid input parameter and rerun the job.

---

**CTDUF2E REDUNDANT PARAMETER: parm**

**Explanation:** The `parm` input parameter for the CTDUFPR T utility has already been specified. The same parameter is specified twice. The utility stops.

**Corrective Action:** Delete the extra JCL input parameter and rerun the job.

---

**CTDUF3E THE PARAMETER parm MUST BE SPECIFIED**

**Explanation:** The `parm` input parameter for the CTDUFPR T utility is missing. The CTVUFPR T utility requires the `parm` parameter.

The CTDUFPR T utility stops.

**Corrective Action:** Insert the missing JCL parameter and rerun the job.
CTDUF4E THE PARAMETER parm CANNOT BE SPECIFIED FOR RECORD TYPE x

Explanation: The parm input parameter for the CTDUFPRTR utility cannot be specified for record type x which is specified in the RECORD parameter.

The CTDUFPRTR utility stops.

Corrective Action: Delete the problematic JCL input parameter and rerun the job.

CTDUF5I INPUT PARAMETER: parm

Explanation: This information message identifies that the parm input parameter for the CTDUFPRTR utility is specified.

Corrective Action: No action is required.

CTDUF6I NUMBER OF SELECTED RECORDS: num

Explanation: This information message issues total number of records selected by the CTDUFPRTR utility.

Corrective Action: No action is required.

CTDUF9I recordType RECORDS: num

Explanation: This information message follows the CTDUF6I message if the RECORD parameter is not specified for the CTDUFPRTR utility.

Each such message issues the number of selected records of the specified record type.

Corrective Action: No action is required.

CTDUFERI CTDUFPRTR ENDED WITH ERRORS

Explanation: This information message indicates that the CTDUFPRTR utility finished with errors.

Corrective Action: Examine other messages relating to the CTDUFPRTR utility to identify and fix the problem, then rerun the utility.

CTDUFFRI CTDUFPRTR ENDED OK

Explanation: This information message indicates that the CTDUFPRTR utility finished successfully.

Corrective Action: No action is required.

CTDUGFI CONTROL-V UTILITY CTVSCTT STARTED

Explanation: This information message indicates that the CTVSCTT utility was started.

Corrective Action: No action is required.

CTDUFHFI CONTROL-V UTILITY CTVSCTT STOPPED BECAUSE OF ERRORS

Explanation: This information message indicates that the CTVSCTT utility stopped working because of severe errors detected during the utility run.
The CTVSCTT utility ends with a return code of 08.

**Corrective Action:** Examine the accompanying messages for the cause of the problem and take action accordingly.

**CTDUFI1 CONTROL-V UTILITY CTVSCTT ENDED**

**Explanation:** This information message indicates that the CTVSCTT utility ended and the output file was created that contains information about the data sets that were migrated to tape.

**Corrective Action:** No action is required.

**CTDUFKE MEDIA NAME *media* NOT FOUND IN IOASPRM**

**Explanation:** The CTVSCTT utility read a SYSDATA or Index record from the Migrated User file with a media name that does not exist in the IOASPRM parameters member.

The problematic record is skipped and the CTVSCTT utility continues processing.

**Corrective Action:** Check the media name issued in the message. If there were reports that were migrated to this media, add this media to the IOASPRM member and rerun the utility.

**CTDUFLE THE PARAMETER 'FIELD' CAN BE SPECIFIED AFTER PRINTFORM=REPORT ONLY**

**Explanation:** This error message is issued when the FIELD parameter was encountered, in the input stream for the CTDUFPRRT utility, before the PRINTFORM=REPORT parameter was specified.

The utility stops.

**Corrective Action:** Correct the input parameters and rerun the job.

**CTDUFME FIELD= fieldName CANNOT BE SPECIFIED FOR RECORD TYPE type**

**Explanation:** This error message is issued when the CTDUFPRRT utility has been submitted and the following conditions are true:

- PRINTFORM parameter is set to REPORT (PRINTFORM=REPORT)
- FIELD parameter set to a field name that is not permitted for the record type (type) specified

The utility stops.

**Corrective Action:** Use the following procedure to correct this issue:

1. Check the list of field names allowed for the printed records type. For more information, see the INCONTROL for z/OS Utilities Guide.
2. Correct the input parameters
3. Rerun the job
Messages CTDV00 through CTDVxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDV00I  CTVUPI NV UTILITY STARTED

**Explanation:** This information message indicates that the CTVUPI NV utility started.

**Corrective Action:** No action is required.

CTDV01I  CTVUPI NV UTILITY COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTVUPI NV utility completed successfully.

**Corrective Action:** No action is required.

CTDV02E  CTVUPI NV UTILITY ENDED WITH ERRORS

**Explanation:** This error message indicates that the CTVUPI NV utility processing was interrupted because of problems. Additional information about the problems is available in the job log.

The utility stops.

**Corrective Action:** Examine the job log for error messages describing the problem. Make any necessary corrections and rerun the utility.

CTDV03I  CTVUPI NV UTILITY IS RUNNING IN SIMULATION MODE

**Explanation:** This information message indicates that the CTVUPI NV utility is running in the simulation (TEST) mode. No data will be changed in the Permanent User File. Only an output report will be issued.

**Corrective Action:** No action is required.

CTDV04E  INVALID PARAMETER: **parm**

**Explanation:** The **parm** input parameter specified in the JCL for the CTVUPI NV utility is not valid.

The utility stops.

**Corrective Action:** Correct the invalid **parm** input parameter in the JCL and rerun the job.

CTDV05E  INVALID PARAMETER IN CTDSPARM: **parm**

**Explanation:** The **parm** input parameter in the CTDSPARM member that specifies a default destination value for printing subscribed reports is not valid.

The utility stops.

**Corrective Action:** Correct the invalid **parm** input parameter in the CTDSPARM member and rerun the job.

CTDV06E  REDUNDANT PARAMETER: **parm**

**Explanation:** The **parm** input parameter of the CTVUPI NV utility has already been specified. The parameter can validly be specified only once in the current statement.
The utility stops.

**Corrective Action:** Remove the extra input parameter from the input parameter stream in JCL and rerun the job.

**CTDV07E parm PARAMETER LENGTH EXCEEDED**

**Explanation:** The `parm` input parameter of the CTVUPINV utility exceeds the maximum allowable length.

The utility stops.

**Corrective Action:** Correct the invalid `parm` input parameter in the JCL and rerun the job.

**CTDV08E EMPTY stat STATEMENT**

**Explanation:** The action `stat` statement is specified of the CTVUPINV utility without any parameters.

The utility stops.

**Corrective Action:** Add required parameters to the statement in the JCL and rerun the job.

**CTDV09E OBLIGATORY PARAMETER parm FOR RECORD TYPE=x IS MISSING**

**Explanation:** The `parm` parameter, which is obligatory for the record type `x`, is missing after the record is inserted or updated by the CTVUPINV utility. The utility does not process the input statement causing this error, but continues to process other input statements.

**Corrective Action:** Check the input parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.

**CTDV0AE PARAMETER parm IS NOT AVAILABLE FOR RECORD TYPE=x**

**Explanation:** The record type `x`, created by the CTVUPINV utility according to the specified input parameters, is missing the `parm` parameter, which is obligatory for this record type. The utility does not process the input statement causing this error, but continues to process other input statements.

**Corrective Action:** Check the input parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.

**CTDV0BE EMPTY INDEX NAME OF INDEX LEVEL x**

**Explanation:** The CTVUPINV utility issues this error message in the following cases:

- The name of the Index level `x` is not specified in the created subscription record, but the name of the next Index level is specified.
- The name of the Index level `x` is not specified in the created subscription record, but the Index value of the corresponding Index level is specified.

The utility does not process the input statement causing this error, but continues to process other input statements.

**Corrective Action:** Check the input parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.
CTDV0CE EMPTY INDEX VALUE OF INDEX LEVEL x

Explanation: The CTVUPINV utility issues this error message in the following cases:

- The value of the Index level x is not specified in the created subscription record, but the value of the next Index level is specified.
- The value of the Index level x is not specified in the created subscription record, but the Index name of the corresponding Index level is specified.

The utility does not process the input statement causing this error, but continues to process other input statements.

Corrective Action: Check the input parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.

CTDV0DE REPORT NAME SHOULD NOT HAVE MASK CHARACTERS FOR RECORD TYPE=G/R

Explanation: The CTVUPINV utility issues this error message when the created subscription record of type G or R has mask characters in the first 12 bytes of the report name. It is not valid because the first 12 characters of the report name are included with the record ID.

The utility does not process the input statement causing this error, but continues to process other input statements.

Corrective Action: Check the input parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.

CTDV0EE LAST LEVEL INDEX VALUE SHOULD NOT HAVE MASK CHARACTERS FOR RECORD TYPE=I/S

Explanation: The CTVUPINV utility issues this error message when the created subscription record of type I or S has mask characters in the first 12 bytes of the last level index value. It is not valid because the first 12 characters of the last level index value are included with the record ID.

The utility does not process the input statement causing this error, but continues to process other input statements.

Corrective Action: Check the input parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.

CTDV0GE THE SECOND DESTINATION SHOULD NOT BE SPECIFIED WHEN THE FIRST IS EMPTY

Explanation: The CTVUPINV utility issues this error message when the created subscription record has the second specification for the printing destination, while the first specification is empty.

The utility does not process the input statement causing this error, but continues to process other input statements.

Corrective Action: Check the input parameters and the CTDSPARM default destination parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.
CTDV0HE DUPLICATE RECORD, OLD RECORD ID: record_id

Explanation: The CTVUPINV utility issues this error message when the created subscription record has the same record key of an existing subscription record. For more information about the record key, see the description of the utility in the INCONTROL for z/OS Utilities Guide.

The utility does not process the input statement causing this error, but continues to process other input statements.

Corrective Action: Check the input parameters causing this error, specify valid parameters in JCL, and run the new job, if necessary.

CTDV0II OPERATION: operation, RECORD ID: record_id

Explanation: The information message precedes the error messages CTDV09E, CTDV0AE, CTDV0BE, CTDV0CE, CTDV0DE, CTDV0EE, CTDV0FE, CTDV0GE, and CTDV0HE. It is issued when the error described in the following message is recognized in the subscription record updated by the CHANGE TO or REPLICATE operations. It indicates the performed operation and the created subscription record. You can see the contents of the updated INV record in the output report file referred to in the DAREPORT DD statement.

Corrective Action: No action is required.

CTDV0JE CTVUPINV UTILITY TERMINATES DUE TO AN ERROR IN THE SORT

Explanation: The CTVUPINV utility issues this error message when the invoked SORT utility ended with errors.

The utility stops.

Corrective Action: Examine the messages issued by the SORT utility to SYSOUT to identify the problem. Make appropriate changes to the JCL and rerun the job.

CTDV0KI nnnnnnn NEW SUBSCRIPTION RECORDS WERE ADDED

Explanation: This information message indicates the number of subscription records added to the Permanent User File during the CTVUPINV utility run.

Corrective Action: No action is required.

CTDV0LI nnnnnnn SUBSCRIPTION RECORDS WERE READ FROM THE PERMANENT FILE

Explanation: This information message indicates the number of subscription records read from the Permanent User File during the CTVUPINV utility run.

Corrective Action: No action is required.

CTDV0MI nnnnnnn SUBSCRIPTION RECORDS WERE SELECTED

Explanation: This information message indicates the number of subscription records selected from the Permanent User File during the CTVUPINV utility run.

Corrective Action: No action is required.
CTDV0NI  ***nnnnnn** Subscription Records were Deleted

**Explanation:** This information message indicates the number of subscription records deleted from the Permanent User File during the CTVUPINV utility run.

**Corrective Action:** No action is required.

CTDV001I  ***nnnnnn** Subscription Records were Updated

**Explanation:** This information message indicates the number of subscription records updated in the Permanent User File during the CTVUPINV utility run.

**Corrective Action:** No action is required.

CTDV0PW  **No Records were Processed by the Utility**

**Explanation:** This warning message indicates that no records were found that satisfy the selection parameters specified in the input statements. In this situation the CTVUPINV utility ends with return code 4.

**Corrective Action:** No action is required.

CTDV0QI  ***nnnnnn** Subscription Records were Replicated

**Explanation:** This information message indicates the number of subscription records replicated in the Permanent User File during the CTVUPINV utility run.

**Corrective Action:** No action is required.

CTDV0RE  **Subscribe=**X** is Not Available for Record Type=**Y

**Explanation:** The record type **X**, created by the CTVUPINV utility according to the specified input parameters, has the SUBSCRIBE type **Y**, which is not available this record type. The utility does not process the input statement causing this error, but continues to process other input statements.

**Corrective Action:** Check the input parameters causing this error, specify valid parameters in JCL and run the new job if necessary.

CTDV0SE  **Invalid Destination for Subscribe=**X

**Explanation:** This error message can be issued by either the CTVUPINV utility or when an end-user tries to subscribe to a report using Control-D/WebAccess.

The message is issued by the CTVUPINV utility in the following cases:

- for a record with SUBSCRIBE=I/E the first destination was not CTDS. Where SUBSCRIBE=I/E, only CTDS is valid.
- for a record with the first printing destination is CTDS, but the second destination is empty
- the DEST1 and DEST2 input parameters are not specified and the NOTIFICATION and/or E-MAIL parameters in the CTDSPARM member are incorrect or omitted.

The message is issued by the Application Server if the NOTIFICATION and/or E-MAIL parameters in the CTDSPARM member are incorrect or omitted.
Corrective Action: If the error message is issued under CTVUPINV, check the input parameters and the CTDSPARM default destination parameters. Specify valid parameters and run the new job if necessary. If the error message is issued by Application Server, define correct values in the CTDSPARM member and run the new job if necessary.

CTDV0TE YOU ARE NOT AUTHORIZED TO SUBSCRIBE FOR REPORT jobName/username/reportName
Explanation: Either the CTDX024 Control-D user exit or the CTDSE24 security module on the host does not allow the current user to subscribe for report entry.
Corrective Action: Ask your INCONTROL administrator for authorization to subscribe for the report.

CTDVOUE SUBSCRIPTION TO THIS E-MAIL ADDRESS ALREADY EXISTS FOR REPORT jobName/username/reportName
Explanation: The end-user tried to subscribe a report to an e-mail address, where the subscription to the address already exists.
Corrective Action: Subscribe the report with the correct e-mail address.

CTDVOVE SUBSCRIPTION CANNOT BE PERFORMED. DEFAULT SUBSCRIPTION PARAMETERS ARE NOT SET.
Explanation: The end-user wants to receive notification or report by e-mail, but the default destination is not set in the CTDSPARM member. Subscription is not performed.
Corrective Action: Notify your INCONTROL administrator.

CTDWOWI SUBSCRIPTION PERFORMED FOR REPORT jobName/username/reportName
Explanation: This information message indicates that the subscription for the report was successful.
Corrective Action: No action is required.

Messages CTDW00 through CTDWxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDWL0I APPLICATION SERVER CONNECTED TO WLM SUCCESSFULLY
Explanation: This information message indicates that the Application server successfully connected to the WLM (Work Load Manager).
Corrective Action: No action is required.
CTDWL1I  APPLICATION SERVER DISCONNECTED FROM WLM SUCCESSFULLY

**Explanation:** This information message indicates that the Application server successfully disconnected from the WLM (Work Load Manager).

**Corrective Action:** No action is required.

CTDWL2E MEMBER CTDASWLM IN CTD PARM LIBRARY HAS INVALID STRUCTURE

**Explanation:** The structure of the CTDASWLM member in the CTD PARM library is invalid. Message CTDWL3I or CTDWL5I follows message CTDWL2E, displaying a text description of the error encountered. The Control-D Application server continues normal processing, but does not involve the WLM to manage the response time.

**Corrective Action:** Fix the problem, and reload the CTDASWLM member.

CTDWL3E  *inputControlStatement*

**Explanation:** This message follows message CTDWL2E, and displays the control statement of the error encountered.

**Corrective Action:** No action is required.

CTDWL4E  CONNECTION TO WLM SERVICE *service* FAILED, RC=*rc*, REASON CODE= *rsn*

**Explanation:** Connection to the WLM service for the current request failed with return code of *rc* and a reason code of *rsn*.

The variables in this message are:

- **service** - one of the following WLM services:
  - IWMCONN- IWMDISC- IWMCLSFY- IWMRPT
- **rc** - WLM return code
- **rsn** - WLM reason code

The Control-D Application server continues normal processing, but does not involve the WLM to manage the response time for the current request.

**Corrective Action:** Do the following:
For an explanation of the return and reason codes, refer to IBM documentation about WLM for a description of the received return and reason codes.

Fix the problem, and reload the CTDASWLM member.

CTDWL5E GENERIC SUBSYSTEM TYPE OR SUBSYSTEM NAME IS NOT DEFINED

**Explanation:** The CTDASWLM member in the CTD PARM library does not contain the correct Generic Subsystem Type (parameter SYSNAME) or Subsystem Name (parameter SUBSYSNAME) as defined in WLM for the Application server. This message follows message CTDWL2E.

The Control-D Application server continues normal processing, but does not involve the WLM to manage the response time.

**Corrective Action:** Fix the problem, and reload the CTDASWLM member.

Messages CTDX00 through CTDXxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTDX00I CTDUFEXP UTILITY STARTED

**Explanation:** This information message indicates that the CTDUFEXP utility started.

**Corrective Action:** No action is required.

CTDX01E CTDX005 IS CALLED FOR AN INVALID FUNCTION function REQUEST REJECTED.

**Explanation:** Sample Exit Program CTDX005 was called for the function unintended function. The request is ignored.

**Corrective Action:** Notify your INCONTROL administrator.

CTDX02E CONTROL CHARACTER TRANSLATION ERROR

**Explanation:** An error occurred when sample Exit Program CTDX005 attempted to transfer ASA control characters to machine control characters, or vice versa.

Translation of the current record is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

CTDX03E ABEND abCode OCCURRED IN CONTROL-D EXIT 005

**Explanation:** Abend abCode occurred during the execution of sample Exit Program CTDX005.

The current request is terminated. The Exit program returns with a return code of 12.

**Corrective Action:** Notify your INCONTROL administrator.
CTDX04E ABEND abCode OCCURRED IN CONTROL-D EXIT 003

Explanation: Abend abCode occurred during the execution of sample Exit Program CTDX003.
The current request is terminated. The Exit program returns with a return code of 12.
Corrective Action: Notify your INCONTROL administrator.

CTDX05E PRINT FILE ddName CANNOT BE OPENED. REPORTS WILL BE SENT TO A SPOOL.

Explanation: Sample Exit Program CTDX005 was unable to open the ddName print file.
The print mission’s output is rerouted to a spool instead of a dataset.
Corrective Action: Notify your INCONTROL administrator.

CTDX06E FAILED TO ALLOCATE EXISTING PRINT FILE dsName RC= rc RSN= rsn

Explanation: Sample Exit Program CTDX005 failed to use the existing dsName dataset for its print file.
The variables in this message are:
- dsName - the dataset to be used for the print file
- rc - the return code from the failed dynamic allocation request
- rsn - the reason code from the failed dynamic allocation request
The Exit program tries to create a new dataset for its print file.
Corrective Action: Notify your INCONTROL administrator.

CTDX07E PRINT FILE ALLOCATION ERROR: DSNAME= dsName RC= rc RSN= rsn

Explanation: Sample Exit Program CTDX005 failed to allocate the new dsName dataset for its print file.
The variables in this message are:
- dsName - the dataset to be used for the print file
- rc - the return code from the failed dynamic allocation request
- rsn - the reason code from the failed dynamic allocation request
The print mission’s output is rerouted to a spool instead of a dataset, as described in message UXDX05E.
Corrective Action: Notify your INCONTROL administrator.

CTDX08I PRINT FILE ddName dsName ASSIGNED TO MISSION misName

Explanation: This information message indicates that the dsName dataset was allocated for the print mission’s misName print file with ddName.
Corrective Action: Notify your INCONTROL administrator.
CTDX09W FAILED TO UNALLOCATE PRINT FILE ddName RC=rc RSN=rsn

**Explanation:** Sample Exit Program CTDX005 failed to unallocate the ddName print file.

The variables in this message are:

- **ddName** - the DD name to be used for the print file
- **rc** - the return code from the failed dynamic allocation request
- **rsn** - the reason code from the failed dynamic allocation request

The program continues with a new print file.

**Corrective Action:** Notify your INCONTROL administrator.

CTDX0AE CTDUFEXP UTILITY TERMINATES DUE TO AN ERROR IN THE SORT

**Explanation:** The CTDUFEXP utility issues this error message when the invoked SORT utility ended with errors. The utility stops.

**Corrective Action:** Examine the messages issued by the SORT utility to SYSOUT to identify the problem. Make appropriate changes to the JCL and rerun the job.

CTDX0BE EXPORT RULERS IS NOT AVAILABLE FOR file FILE

**Explanation:** The CTDUFEXP utility issues this error message when the object RULERS is specified for a file type, which is not an ACT file type. Export RULERS can be performed only from Active User file. The utility stops.

**Corrective Action:** Correct the input parameters according to the utility parameters description in the **INCONTROL for z/OS Utilities Guide**. Rerun the utility.

CTDX0CW LOCATE ERROR FOR dsn, RC = rc

**Explanation:** This warning message notifies that the CTDUFEXP utility cannot locate the dsn dataset name in the MVS catalog. The utility continues to work, but the VOLSER of the volume where the problematic dataset resides is not included to the output report.

**Corrective Action:** Analyze the rc return code of the LOCATE macro. It is described in the IBM document: z/OS DFSMSdfp Advanced Services. Determine why the data set could not be located. Correct the problem, if possible, and rerun the CTDUFEXP utility, if necessary.

CTDX0DE PARAMETER parm IS NOT AVAILABLE FOR THE REPORTS/RULERS SELECTION

**Explanation:** The CTDUFEXP utility issues this error message when the specified parm selection parameter is not available for the REPORTS or RULERS objects. The utility stops.

**Corrective Action:** Correct the input parameters according to the utility parameters description in the **INCONTROL for z/OS Utilities Guide**. Rerun the utility.
CTDX0EW LIST= outrep NOT AVAILABLE FOR file FILE

**Explanation:** The CTDUFEXP utility issues this warning message when the output report specified in the LIST parameter is not available for the processed User file type. The utility continues to work, but the specified output report is not issued.

**Corrective Action:** No action is required.

CTDX0FW LIST= outrep NOT AVAILABLE FOR action ACTION

**Explanation:** The CTDUFEXP utility issues this warning message when the output report specified in the LIST parameter is not available for the action performed by the utility. The utility continues to work, but the specified output report is not issued.

**Corrective Action:** No action is required.

CTDX0GI number RECORDS READ FROM file FILE

**Explanation:** This information message indicates total number of records that the CTDUFEXP utility has read from the file User file.

**Corrective Action:** No action is required.

CTDX0HI number record-type RECORDS SELECTED FOR action

**Explanation:** This information message indicates the number of records of the record-type type that the CTDUFEXP utility has selected for the EXPORT or CLEANUP action.

**Corrective Action:** No action is required.

CTDX0II number REPORTS SELECTED FOR action

**Explanation:** This information message indicates the number of Control-D reports that the CTDUFEXP utility has selected for the EXPORT or CLEANUP action.

**Corrective Action:** No action is required.

CTDX0JW THERE ARE NO REPORTS/RULERS SELECTED FOR action

**Explanation:** This warning message indicates that the CTDUFEXP utility has selected neither reports nor rulers for the EXPORT or CLEANUP action.

**Corrective Action:** Examine the input selection parameters. Change them and rerun the utility if necessary.

CTDX0KE dsn ALREADY EXISTS. DELETE THE OLD DATASET OR CHANGE THE PACKAGE NAME

**Explanation:** The CTDUFEXP utility issues this error message when it detects an output dataset in the MVS catalog with the same package name and file type as specified by the input parameters. The utility stops.

**Corrective Action:** Delete the old dataset outside of Control-D or change the package name in the input parameter if you want to keep the old dataset name. Rerun the utility.
CTDX0LI  number DATASETS SELECTED FOR EXPORT

Explanation: This information message indicates the number of datasets that the CTDUFEXP utility has selected for export.

Corrective Action: No action is required.

CTDX0MI  number VOLUMES SELECTED FOR EXPORT

Explanation: This information message indicates the number of volumes that the CTDUFEXP utility has selected for export.

Corrective Action: No action is required.

CTDX0NW report-key -REPORT IS NOT DELETED BECAUSE IT HAS NOT BEEN UNLOADED FOR EXPORT.

Explanation: The CTDUFEXP utility performing the CLEANUP action issues this warning message if the specified report is selected for delete but it has not been previously unloaded by the utility in the EXPORT action. The utility continues to work, but the specified report is not deleted.

Corrective Action: Examine the input parameters for the utility. If it is necessary, run the utility with the EXPORT action and only then with the CLEANUP action.

CTDX0PE CLEANUP RULERS ACTION IS NOT AVAILABLE FOR THE UTILITY.

Explanation: The CTDUFEXP utility issues this error message when the CLEANUP RULERS action has been specified in the input parameters. This action is not available for the utility. Only reports can be cleaned-up. The utility stops.

Corrective Action: Correct the input parameters according the utility parameters description in the INCONTROL for z/OS Utilities Guide. If necessary, rerun the utility.

CTDX0QE INPUT PARAMETERS ERROR

Explanation: This error message indicates that the CTDUFEXP utility discovered errors in the input parameters. Additional information about the errors is available in the job log. The utility stops.

Corrective Action: Examine job log for error messages describing the problem. Make any necessary corrections in the input parameters and rerun the utility.

CTDX0RE EMPTY group-name PARAMETERS GROUP

Explanation: The CTDUFEXP utility issues this error message when the group-name (INCLUDE or EXCLUDE) statement is not followed with selection parameters. The utility stops.

Corrective Action: Correct the input parameters according to the utility parameters description in the INCONTROL for z/OS Utilities Guide. Rerun the utility.

CTDX0SE MEDIA NAME mediaName NOT FOUND IN IOASPRM

Explanation: This message is issued by the CTDUFEXP utility when printing the ‘List of exported datasets’ report, if a media name is not found in the IOASPRM member.

The variable in this message, mediaName, contains the media name of the migrated report.
The corresponding entry in the ‘List of exported datasets’ report has an empty SIZE value. The utility continues to work.

**Corrective Action:** Add the media name, `mediaName`, as specified in the message, to the IOASPRM member and rerun the CTDUFEXP utility.

**CTDX0TE CENTERA INIT ERROR:** RC= `rc`, REASON CODE= `rsn`

**Explanation:** Connection to EMC Centera cannot be established. This message is followed by message MIG5E9I, which issues the Centera pool value used for connection.

The variables in this message are:

- `rc` - return code from the EMC Centera API.
- `rsn` - reason code from the EMC Centera API.

The ‘List of exported datasets’ report issued by the CTDUFEXP utility has empty SIZE column for all entries related to the CENTERA media.

The utility continues to work.

**Corrective Action:** Refer to EMC Centera documentation for a description of the received reason code. Check the pool value printed in the accompanying MIG5E9I message. If the IP addresses are not correct, update them in parameters POOL1-POOL4 in the IOASPRM member. Then rerun the CTDUFEXP utility.

**CTDX0UI CLIP_ID= `clipId`

**Explanation:** This information message follows message CTDX0VE. The clip ID related to the message CTDX0VE is issued, where `clipId` is the CENTERA clip ID.

**Corrective Action:** No action is required.

**CTDX0VE CENTERA READ ERROR RC= `rc`, REASON CODE= `rsc`, BLN= `blk`, L= `len`

**Explanation:** The CTDUFEXP utility issues this message when an error is detected while reading a block from the EMC Centera clip. This message is followed by message CTDX0UI, which issues the problematic Centera clip name.

The variables in this message are:

- `rc` - return code from the EMC Centera API
- `rsn` - reason code from the EMC Centera API
- `blk` - error block number
- `len` - returned block length

**Corrective Action:** Refer to the EMC Centera documentation for a description of the received reason code. Rerun the CTDUFEXP utility, if necessary.

**CTDX10I CTDRETC UTILITY STARTED**

**Explanation:** This information message indicates that the CTDRETC utility started.

**Corrective Action:** No action is required.
CTDX11I  CTDRETC UTILITY COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTDRETC utility completed successfully.

**Corrective Action:** No action is required.

CTDX12E  CTDRETC UTILITY ENDED WITH ERRORS

**Explanation:** This error message indicates that the CTDRETC utility discovered problems during processing. Additional information about the problems is available in the job log. The utility stops.

**Corrective Action:** Examine the job log for error messages describing the problem. Make any necessary corrections and rerun the utility.

CTDX13E  THE ACTION STATEMENT PRESERVE/FREE/CHANGE/DLEREP/PRINT IS MISSING

**Explanation:** This error message indicates that the statement that defines the action of the CTDRETC utility is missing in the input parameters. The utility stops.

**Corrective Action:** Specify the one of following actions: PRESERVE, FREE, CHANGE, DLEREP, or PRINT as the first statement in the SYSIN DD input parameters stream in JCL. Rerun the utility.

CTDX14E  INVALID PARAMETER: parm

**Explanation:** The `parm` input parameter specified in the JCL for the CTDRETC utility is not valid. The utility stops.

**Corrective Action:** Correct the invalid input parameter (`parm`) in the JCL and rerun the job.

CTDX15E  THE PARAMETER parm MUST BE SPECIFIED

**Explanation:** The mandatory `parm` input parameter for the CTDRETC utility is missing. The utility stops.

**Corrective Action:** Add the missing parameter to the JCL and rerun the job.

CTDX16E  REDUNDANT PARAMETER: parm

**Explanation:** The `parm` input parameter for the CTDRETC utility has already been specified. The utility stops.

**Corrective Action:** Remove the extra input parameter from the input parameter stream in JCL and rerun the job.

CTDX17E  SELECTION PARAMETER parm IS NOT AVAILABLE FOR action ACTION

**Explanation:** The `parm` input selection parameter is not available for the `action` action specified as the first statement in the input stream for the CTDRETC utility. The utility stops.

**Corrective Action:** Remove the `parm` selection parameter from the input parameter stream in JCL and rerun the job.
CTDX18E PARAMETER parm LENGTH EXCEEDED

**Explanation:** The length of the parm input parameter exceeds the maximum available for this parameter length. The utility stops.

**Corrective Action:** Correct the invalid parm input parameter in the JCL and rerun the job.

CTDX19E SELECTION PARAMETER parm IS NOT AVAILABLE FOR file FILE

**Explanation:** The input parm selection parameter is not available for the file file type specified in the DBFILE input parameter for the CTDRETC utility. The utility stops.

**Corrective Action:** Remove the parm selection parameter from the input parameters stream in JCL and rerun the job.

CTDX1AE CTDRETC UTILITY TERMINATES DUE TO AN ERROR IN THE SORT

**Explanation:** The CTDRETC utility issues this error message when the invoked SORT utility ended with errors. The utility stops.

**Corrective Action:** Examine the messages issued by the SORT utility to SYSOUT to identify the problem. Make appropriate changes to the JCL and rerun the job.

CTDX1CW LOCATE ERROR FOR dsn, RC = rc

**Explanation:** This warning message notifies that the CTDRETC utility cannot locate the dsn dataset name in the MVS catalog. The utility continues to work, but the VOLSER of the volume where the problematic dataset resides is not included to the output report.

**Corrective Action:** Analyze the rc return code of the LOCATE macro. It is described in the IBM document: z/OS DFSMSdfp Advanced Services. Determine why the data set could not be located. Correct the problem, if possible, and rerun the CTDRETC utility, if necessary.

CTDX1FW LIST= outrep NOT AVAILABLE FOR action ACTION

**Explanation:** The CTDRETC utility issues this warning message when the output report specified in the LIST parameter is not available for the action performed by the utility. The utility continues to work, but the specified output report is not issued.

**Corrective Action:** No action is required.

CTDX1GI number RECORDS READ FROM file FILE

**Explanation:** This information message indicates total number of records that the CTDRETC utility has read from the file User file.

**Corrective Action:** No action is required.

CTDX1HI number record-type RECORDS SELECTED FOR action

**Explanation:** This information message indicates the number of records of the record-type type that the CTDRETC utility has selected for the performed action.
Corrective Action: No action is required.

CTDX1II  number REPORTS SELECTED FOR action
Explanation: This information message indicates the number of Control-D reports that the CTDRETC utility has selected for the performed action.
Corrective Action: No action is required.

CTDX1J W THERE ARE NO REPORTS SELECTED FOR action
Explanation: This warning message indicates that the CTDRETC utility has selected no reports for the performed action.
Corrective Action: Examine the input selection parameters. If necessary, change them and rerun the utility.

CTDX1LI  number DATASETS SELECTED FOR action
Explanation: This information message indicates the number of datasets that the CTDRETC utility has selected for the performed action.
Corrective Action: No action is required.

CTDX1MI  number VOLUMES SELECTED FOR EXPORT
Explanation: This information message indicates the number of volumes that the CTDRETC utility has selected for the performed action.
Corrective Action: No action is required.

CTDX1PE SELECTION PARAMETER parm IS NOT AVAILABLE IN EXCLUDE STATEMENT
Explanation: The parm input selection parameter is not available in the EXCLUDE statement of the input stream for the CTDRETC utility. This parameter is only available in the INCLUDE statement. The utility stops.
Corrective Action: Remove the parm selection parameter, which is unavailable, from the JCL input parameter stream and rerun the job.

CTDX1QE INPUT PARAMETERS ERROR
Explanation: This error message indicates that the CTDRETC utility discovered errors in the input parameters. Additional information about the errors is available in the job log. The utility stops.
Corrective Action: Examine the job log for error messages describing the problem. Make any necessary corrections in the input parameters and rerun the utility.

CTDX1RE EMPTY group-name PARAMETERS GROUP
Explanation: The CTDRETC utility issues this error message when the group-name (INCLUDE or EXCLUDE) statement is not followed with selection parameters. The utility stops.
**Corrective Action:** Correct the input parameters according to the utility parameters description in the *INCONTROL for z/OS Utilities Guide*. Rerun the utility.

**CTDX21I CTDUFEXP UTILITY COMPLETED SUCCESSFULLY**

**Explanation:** This information message indicates that the CTDUFEXP utility completed successfully.

**Corrective Action:** No action is required.

**CTDX22E CTDUFEXP UTILITY ENDED WITH ERRORS**

**Explanation:** This error message indicates that the CTDUFEXP utility discovered problems during processing. Additional information on the problems is available in the job log. The utility stops.

**Corrective Action:** Examine job log for error messages describing the problem. Make any necessary corrections and rerun the utility.

**CTDX23E THE ACTION STATEMENT EXPORT OR CLEANUP IS MISSING**

**Explanation:** This error message indicates that the statement that defines the action of the CTDUFEXP utility is missing in the input parameters. The utility stops.

**Corrective Action:** Specify the requested action (EXPORT or CLEANUP) as first statement in the SYSIN DD input parameters stream in JCL. Rerun the utility.

**CTDX24E INVALID PARAMETER: parm**

**Explanation:** The parm input parameter specified in the JCL for the CTDUFEXP utility is not valid. The utility stops.

**Corrective Action:** Correct the invalid *parm* input parameter in the JCL and rerun the job.

**CTDX25E THE PARAMETER parm MUST BE SPECIFIED**

**Explanation:** The mandatory *parm* input parameter for the CTDUFEXP utility is missing. The utility stops.

**Corrective Action:** Add the missing parameter to the JCL and rerun the job.

**CTDX26E REDUNDANT PARAMETER: parm**

**Explanation:** The *parm* input parameter for the CTDUFEXP utility has already been specified. The utility stops.

**Corrective Action:** Remove the extra input parameter from the input parameters stream in JCL and rerun the job.

**CTDX27E NEITHER REPORTS NOR RULERS ARE SPECIFIED BY INPUT PARAMETERS**

**Explanation:** The statement defining the objects to be processed by the CTDUFEXP utility (REPORTS or/and RULERS) is missing in the input parameters. The input parameters stream must contain at least one of these statements. The utility stops.
Corrective Action: Add the REPORTS or RULERS statement to the input parameters stream in JCL and rerun the job.

CTDX28E PARAMETER parm LENGTH EXCEEDED
Explanation: The length of the parm input parameter exceeds the maximum available length for this parameter. The utility stops.
Corrective Action: Correct the invalid parm input parameter in the JCL and rerun the job.

CTDX29E SELECTION PARAMETER parm IS NOT AVAILABLE FOR file FILE
Explanation: The input parm selection parameter is not available for the file file type specified by the DBFILE input parameter for the CTDUFEXP utility. The utility stops.
Corrective Action: Remove the selection parameter from the input parameter stream in JCL and rerun the job.

CTDX30I CTDREPUS UTILITY STARTED
Explanation: This information message indicates that the CTDREPUS utility started.
Corrective Action: No action is required.

CTDX31I CTDREPUS UTILITY COMPLETED SUCCESSFULLY
Explanation: This information message indicates that the CTDREPUS utility completed successfully.
Corrective Action: No action is required.

CTDX32E CTDREPUS UTILITY ENDED WITH ERRORS
Explanation: This error message indicates that the CTDREPUS utility discovered problems during processing. Additional information on the problems discovered is available in the job log. The utility stops.
Corrective Action: Examine the job log for error messages describing the problem. Make any necessary corrections and rerun the utility.

CTDX34E INVALID PARAMETER: parm
Explanation: The parm parameter specified in the JCL for the CTDREPUS utility is not valid. The utility stops.
Corrective Action: Correct the invalid parm input parameter in the JCL and rerun the job.

CTDX36E INVALID PARAMETER: parm
Explanation: The parm parameter for the CTDREPUS utility has already been specified. The parameter must only be specified once. The utility stops.
Corrective Action: Remove the extra input parameter from the input parameters stream in the JCL and rerun the job.
CTDX38E PARAMETER parm LENGTH EXCEEDED

**Explanation:** The length of the `parm` input parameter exceeds the maximum allowable length for this parameter. The utility stops.

**Corrective Action:** Correct the invalid `parm` input parameter in the JCL and rerun the job.

CTDX3AE CTDREPUS UTILITY TERMINATES DUE TO AN ERROR IN THE SORT

**Explanation:** The CTDREPUS utility issues this error message when the invoked SORT utility ended with errors. The utility stops.

**Corrective Action:** Examine the messages issued by the SORT utility to SYSOUT to identify the problem. Make appropriate changes to the JCL and rerun the job.

CTDX3CW LOCATE ERROR FOR dsn, RC = rc

**Explanation:** This warning message notifies that the CTDREPUS utility cannot locate the dataset name `dsn` in the MVS catalog. The utility continues to work, but the VOLSER of the volume where the problematic dataset resides is not included to the output report.

**Corrective Action:** Analyze `rc` return code of the LOCATE macro. It is described in the IBM document: z/OS DFSMSdfp Advanced Services. Determine why the dataset could not be located. If possible, correct the problem and rerun the CTDREPUS utility if necessary.

CTDX3HI number REPORT ENTRIES SELECTED FOR PROCESSING

**Explanation:** This information message indicates the number of report entries that the CTDREPUS utility has selected for processing.

**Corrective Action:** No action is required.

CTDX3II number REPORTS HAVE BEEN PROCESSED

**Explanation:** This information message indicates the number of Control-D reports that have been processed.

**Corrective Action:** No action is required.

CTDX3JW NO REPORT ENTRIES HAVE BEEN SELECTED

**Explanation:** This warning message indicates that the CTDREPUS utility has not selected any reports that satisfy the specified criteria.

**Corrective Action:** Examine the input criteria. If necessary, change them and rerun the utility.

CTDX3QE INPUT PARAMETERS ERROR

**Explanation:** This error message indicates that the CTDREPUS utility discovered errors in the input parameters. Additional information about the errors is available in the job log. The utility stops.

**Corrective Action:** Examine the job log for error messages describing the problem. Make any necessary corrections and rerun the utility.
CTDX40I CTDNREOR UTILITY STARTED

**Explanation:** This information message indicates that the CTDNREOR utility started.

**Corrective Action:** No action is required.

CTDX41I CTDNREOR UTILITY COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTDNREOR utility completed successfully.

**Corrective Action:** No action is required.

CTDX42E CTDNREOR UTILITY ENDED WITH ERRORS

**Explanation:** This error message indicates that the CTDNREOR utility discovered problems during processing. Additional information on the problems discovered is available in the job log.

**Corrective Action:** Examine the job log for error messages describing the problem. If necessary, make any necessary corrections and rerun the utility.

CTDX44E INVALID PARAMETER: parm

**Explanation:** The `parm` input parameter specified in the JCL for the CTDNREOR utility is not valid. The utility stops.

**Corrective Action:** Correct the invalid `parm` input parameter in the JCL and rerun the job.

CTDX45E THE PARAMETER parm MUST BE SPECIFIED

**Explanation:** The mandatory `parm` input parameter for the CTDNREOR utility is missing. The utility stops.

**Corrective Action:** Add the missing parameter to the JCL and rerun the job.

CTDX46E REDUNDANT PARAMETER: parm

**Explanation:** The `parm` input parameter for the CTDNREOR utility has already been specified. The utility stops.

**Corrective Action:** Remove the extra input parameter from the input parameter stream in the JCL and rerun the job.

CTDX48E PARAMETER parm LENGTH EXCEEDED

**Explanation:** The length of the `parm` input parameter exceeds the maximum allowable length for this parameter. The utility stops.

**Corrective Action:** Correct the invalid `parm` input parameter in the JCL and rerun the job.

CTDX4AE CTDNREOR UTILITY TERMINATES DUE TO AN ERROR IN THE SORT

**Explanation:** The CTDNREOR utility issues this error message when the invoked SORT utility ended with errors. The utility stops.
**Corrective Action:** Examine the messages issued by the SORT utility to SYSOUT to identify the problem. Make appropriate changes to the JCL and rerun the job.

**CTDX4BI number REPORTS HAVE BEEN PROCESSED**

**Explanation:** This information message indicates the number of Control-D report entries containing Notepad records with the old format that have been processed by the CTDNREOR utility.

**Corrective Action:** No action is required.

**CTDX4CI number OLD NOTEPAD RECORDS HAVE BEEN PROCESSED**

**Explanation:** This information message indicates the number of Notepad records with the old format that have been processed by the CTDNREOR utility.

**Corrective Action:** No action is required.

**CTDX4DI number NEW NOTEPAD RECORDS HAVE BEEN CREATED**

**Explanation:** This information message indicates the number of Notepad records with the new format that have been created by the CTDNREOR utility.

**Corrective Action:** No action is required.

**CTDX4JW NO REPORTS WITH OLD NOTEPAD RECORDS HAVE BEEN FOUND**

**Explanation:** This warning message indicates that the CTDNREOR utility has found no reports containing Notepad records with the old format requiring reorganization.

**Corrective Action:** Examine the input selection parameters. If necessary, change them and rerun the utility.

**CTDX4LE CONTROL-D IS ACTIVE IN COMPATIBILITY MODE, UTILITY RUNNING IS NOT ALLOWED**

**Explanation:** This error message indicates that the CTDNREOR utility has been submitted when Control-D is running in compatibility mode with a version less than 8.0.00. The utility is not allowed to run in this mode, since the Notes created by the utility are not accessible if the customer falls back to the old version.

The utility stops with return code 8.

**Corrective Action:** Submit the utility after Control-D is running in full (incompatibility) mode.
CTI - CTM

This group includes messages for the Control-O, Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart on Demand products.

CTI messages

This group includes messages for Control-O products.

Messages CTI600 through CTI6xx

This group includes messages for the Control-O product.

CTI650E STORAGE OBTAIN FAILED WITH RETURN CODE \textit{rc}

\textbf{Explanation:} An attempt to acquire storage for an internal table failed with return code \textit{rc}. The CTOCTI utility requested working storage for an internal table.

The CTOCTI utility terminates.

\textbf{Corrective Action:} Increase the region size specified in the JOB or EXEC JCL statement and rerun the job.

CTI651E OPEN FAILED FOR DDNAME OBJFILE

\textbf{Explanation:} The CTOCTI utility attempted to open the data set referenced by the DD statement \textit{OBJFILE} but failed.

Possible causes are:

- the \textit{OBJFILE} DD statement is misspelled.
- the data set (member) referenced by the \textit{OBJFILE} DD statement does not exist.

The CTOCTI utility terminates.

\textbf{Corrective Action:} Verify that the data set exists and is spelled correctly. Rerun the job.

CTI652S INTERNAL OBJECT TABLE MUST BE ENLARGED

\textbf{Explanation:} The amount of storage allocated for an internal table is insufficient. The system has more started tasks than the CTOCTI utility anticipated. The storage allocated for one of the internal tables is insufficient.

The CTOCTI utility terminates.

\textbf{Corrective Action:} Contact your INCONTROL administrator.
CTI653E ALESERV ADD FAILED FOR addr-spc WITH RETURN CODE rc

**Explanation:** The ALESERV function was invoked to analyze address space addr-spc, but failed with return code rc.

Control-O continues its analysis with the next address space.

**Corrective Action:** No action is required.

CTI654I ADDRESS SPACE addr-spc IS SWAPPED OUT AND WILL BE SKIPPED

**Explanation:** This information message indicates that Control-O failed to get information from the address space addr-spc. The ALESERV function was invoked to analyze the address space but failed because the specified address space is swapped out.

Control-O continues its analysis with the next address space.

**Corrective Action:** No action is required.

CTI655E ALESERV DELETE FAILED FOR addr-spc WITH RETURN CODE rc

**Explanation:** Control-O acquired information from the address space addr-spc but the attempt to disconnect from the address space failed.

After analyzing the address space, the ALESERV function DELETE tried to disconnect from the address space but failed with return code rc.

Control-O continues its analysis with the next address space.

**Corrective Action:** No action is required.

CTI656I STARTED TASK taskName WILL BE ADDED TO THE DATABASE

**Explanation:** This information message indicates that started task taskName was not specified in the Object file but was active in the system.

The started task is added to the COSMOS database.

**Corrective Action:** No action is required.

CTI657I OBJECT_NAME/DESC CLASS_NAME/DESCR ADDRSPAC STATUS _J

**Explanation:** This information message is the header for data displayed by the CTO659I message. It is generated when invoking the CTOCTI utility.

The J field at the end of this message is usually blank. When J is displayed, it means JOINed, and indicates that the address space is part of a composite address space. For example, CICS monitors use three address spaces: AOR, TOR and FOR.

**Corrective Action:** No action is required.
CTI658I  text

**Explanation:** This information message is an internal message issued by the CTOCTI utility. When running the CTOCTI utility to define started tasks for the Control-O/COSMOS database, a Control-O rule traps these internal messages and creates the required definitions for Control-O/COSMOS.

**Corrective Action:** No action is required.

CTI659I  objectName className addrSpace status j

**Explanation:** This information message displays the object name (16 characters), class name (16 characters), address space name (8 characters), status (ACTIVE, INACTIVE, EXCLUDED) and j (1 character)

The J field at the end of this message is usually blank. When J is displayed, it means JOINed and indicates that the address space is part of a composite address space. For example, CICS monitors are use three address spaces: AOR, TOR, and FOR.

**Corrective Action:** No action is required.

CTM messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CTM0 through CTM0xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTM001I  CTMSLC STARTED

**Explanation:** This information message indicates that the CTMSLC utility, which enables you to remove old job scheduling definitions from the schedule library, has started.

**Corrective Action:** No action is required.

CTM005S  OPEN OF DDNAME ddName FAILED

**Explanation:** The automatic zap application program failed to open the specified DD name. Possible causes are:

- The *ddName* DD statement is missing.
- The data set described by the *ddName* DD statement does not exist.

The program stops execution with a condition code of 08.

**Corrective Action:** The JCL was probably modified incorrectly. Restore the original JCL job stream, as follows:

1. Using the documentation provided as part of the IOA Monthly Maintenance Upgrade system, transfer the JCL job stream from the diskette to the mainframe.
2. Modify the JCL as specified in the documentation.
3. Submit the job.

Note: You may run the JCL job stream as often as necessary. If a zap is already applied, it is bypassed.

**CTM008S SORT FAILED RC = rc**

**Explanation:** Internal sort failed in the CTMRFLW or CTMRAFL utility. The CTMRFLW or CTMRAFL utility activates the regular sort program of the installation.

In this message, `rc` is a return code specific to the sort program.

The program stops executing with a condition code of 08.

**Corrective Action:** Check the sort program literature for the meaning of the sort return code (`rc`), and correct the JCL for the job accordingly.

**CTM00AI NO JOBS WERE DELETED BY LIBRARY CLEANUP PROCESS**

**Explanation:** The CTMSLC utility completed successfully without deleting any job scheduling definitions from the scheduling library.

The utility terminates with a return code of 4.

**Corrective Action:** No action is necessary.

**CTM011E ONLINE MONITOR NOT ACTIVE, IOA SESSION NOT ESTABLISHED RC= rc**

**Explanation:** An error was detected while attempting to start an IOA session. The IOA Online interface uses the services of an online monitor that supplies all IOA online services. If no IOA Online monitor is active, the session cannot be established.

**Corrective Action:** The user response depends on the value of the return code (`rc`). The following table displays possible values for `rc`, together with their explanations and the appropriate user action.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
<th>User Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A valid subsystem name (the SSNAME parameter) was not specified in the IOAXPRM member.</td>
<td>Either correct the value specified for the SSNAME parameter in the IOAXPRM member, or define an entry in the IEASSN00 member of the SYS1.PARMLIB library that corresponds to the SSNAME parameter.</td>
</tr>
<tr>
<td>2</td>
<td>No IOA Online monitor was started since the last IPL.</td>
<td>Activate an IOA Online monitor.</td>
</tr>
<tr>
<td>3</td>
<td>No IOA Online monitor was started since the last IPL.</td>
<td>Activate an IOA Online monitor.</td>
</tr>
</tbody>
</table>
**CTM012E MAXIMUM IOA SESSIONS EXCEEDED, PLEASE TRY AGAIN LATER**

**Explanation:** The number of active online sessions permitted reached the maximum. The MAXSESS parameter in IOAXPRM defines the maximum number of sessions that can be active at a certain moment. The CICS interface determined that this maximum was reached for all the active Online monitors.

The session is not established.

**Corrective Action:** Do one of the following:
- Wait until other users terminate their sessions.
- Open one more Online monitor and enter the transaction name again.
- Increase the value of the MAXSESS parameter in IOAXPRM, and increase the region size of the Online monitor correspondingly.

**CTM013I IOA SESSION ENDED RC=rc**

**Explanation:** This information message indicates that the IOA Online monitor ended the session normally due to a user request, or abnormally due to a problem in the IOA Online monitor. The session is terminated.

**Corrective Action:** The user response depends on the value of the return code (`rc`). The following table displays possible values for `rc`, together with their explanations and the appropriate user action.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
<th>User Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>The session was terminated in response to a user request.</td>
<td>No action is required.</td>
</tr>
<tr>
<td>1</td>
<td>The IOA Online monitor serving the current transaction was terminated.</td>
<td>Reactivate the IOA Online monitor if required.</td>
</tr>
</tbody>
</table>
CTM014E IOA SESSION INITIALIZATION FAILED RC= rc

Explanation: Initialization of an IOA online session failed. The reason for session termination is indicated by the return code included in the message.

Possible return code values, with their explanations, are displayed in the following table.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Internal process communication failed.</td>
</tr>
<tr>
<td>02</td>
<td>An internal error occurred.</td>
</tr>
<tr>
<td>04</td>
<td>Load of the CTMSUSIE module failed.</td>
</tr>
<tr>
<td>05</td>
<td>An IPL occurred since initialization.</td>
</tr>
</tbody>
</table>

The connection between the TP monitor and IOAOMON is terminated.

Corrective Action: If the problem persists, or the return code is 02, contact BMC Customer Support.

CTM015E INTERNAL ERROR, IOA SESSION TERMINATED, RC= abCode

Explanation: The IOA CICS interface transaction abended due to either an internal error or storage violations caused by other transactions.

In this message, abCode is the CICS abend code.

The session is terminated.

Corrective Action: Use standard CICS problem determination techniques to determine the cause of the abend. If no storage violations produced by other transactions are found, contact BMC Customer Support.
CTM016E ONLINE MONITOR NOT ACTIVE, IOA SESSION TERMINATED.
RC= rc

Explanation: The user sent a command to the IOA online monitor when the monitor was not active. The connection between the TP monitor and IOAOMON is terminated.

Corrective Action: The user response depends on the value of the return code (rc). The following table displays possible values for rc, together with their explanations and the appropriate user action.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
<th>User Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>The IOA Online Monitor terminated during user action.</td>
<td>Restart the IOA Online Monitor, and log on again.</td>
</tr>
<tr>
<td>02</td>
<td>The IOA Online Monitor bounced: was terminated and restarted.</td>
<td>Log on again, if required.</td>
</tr>
<tr>
<td>03</td>
<td>The IOA Online Monitor terminated</td>
<td>Restart the IOA Online Monitor, and log on again.</td>
</tr>
<tr>
<td>04</td>
<td>The IOA Online Monitor terminated</td>
<td>Restart the IOA Online Monitor, and log on again.</td>
</tr>
<tr>
<td>05</td>
<td>The IOA Online Monitor terminated</td>
<td>Restart the IOA Online Monitor, and log on again.</td>
</tr>
</tbody>
</table>

CTM017E LOAD OF IOAX037 FAILED. IOA SESSION TERMINATED

Explanation: Loading of IOA User Exit 37 failed.

Possible causes are:

- The IOA Load library is not in the load modules search list.
- There is insufficient memory to load the exit.
- The IOAX037 module does not exist in the Load library.
- The IOA Load library has been updated while you were working and the position of the IOAX037 module has changed.

The function requested is terminated.

Corrective Action: Check the system log for additional messages that clarify the situation. Try one of the following:
- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed because of lack of memory: for batch jobs, increase the REGION size; for TSO, try to logon again using a larger SIZE parameter. If you are using many IOA screens concurrently, try to exit a few using the END command. This can release memory which is used by the screens.
- Add the IOAX037 module to the Load library.
- If the Load library has been modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again.

**CTM018E INSTALLATION ERROR. DFSLI000 IS NOT LINKED TO IOAIMS. IOA SESSION TERMINATED.**

**Explanation:** The IMS routine is not linked to the IOAIMS program of the IOA-IMS online interface. IOA session terminates.

**Corrective Action:** For more information, see the description of the Link IMS routine in the IOA chapter of the INCONTROL for z/OS Installation Guide.

**CTM01AE PROBLEM WITH USER userId IN ASID asId, ALESERV R.C. IS rc**

**Explanation:** The Online monitor failed to invoke the ALESERV MVS service, and returned a return code of `rc`. The specified user in the `asId` address space may not be responding.

**Corrective Action:** Use the DUMP command to cancel the Online monitor, and send the dump to BMC Customer Support for investigation.

**CTM01BE PROBLEM WITH USER userId IN ASID asId, ECB IS NOT MODIFIABLE**

**Explanation:** The Online monitor failed to post the ECB in the CICS address space for the specified user in the `asId` address space, because the ECB resides in a non-modifiable area.

**Corrective Action:** Use the DUMP command to cancel the Online monitor, and send the dump to BMC Customer Support for investigation.

**CTM01CE PROBLEM WITH USER userId IN ASID asId, A.S. SWAPPED OUT MORE THAN 1 MIN**

**Explanation:** The Online monitor failed to post the ECB in the CICS address space for the specified user in the `asId` address space, because the CICS address space was swapped out for more than 1 minute.

**Corrective Action:** Check why the CICS address space was swapped out. BMC highly recommends defining the CICS address space as non-swappable.

**CTM01DE PROBLEM WITH USER userId IN ASID asId, ASCB DO NOT MATCH**

**Explanation:** The Online monitor failed to post the ECB in the CICS address space for the specified user in the `asId` address space, because the CICS address space was brought down.

**Corrective Action:** No action is necessary.
CTM025I CTMSLC ENDED

**Explanation:** This information message indicates that the CTMSLC utility ended normally. The CTMSLC utility enables you to remove old job scheduling definitions from the schedule library.

**Corrective Action:** No action is required.

CTM027S UNABLE TO LOAD MODULE *modName*

**Explanation:** Loading of the *modName* module failed.

Possible causes are:

- The IOA Load library is not in the load modules search list.
- There is not enough memory to load the module.
- The *modName* module does not exist in the Load library.
- The IOA Load library has been updated while you were working and the position of the *modName* module has changed.

The function requested is terminated.

**Corrective Action:** Look on the system log for additional messages related to the problem.

Try one of the following:

- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed because of lack of memory do one of the following:
  - For batch jobs, increase the REGION size.
  - For TSO, try to logon again using a larger SIZE parameter.
  - If you are using many IOA screens concurrently, try to exit a few using the END command. This can release memory which is used by the screens.
- If the Load library has been modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again. If the IOA Load library is in the Linklist, a refresh to the LLA is needed.

CTM030I TAPE PULL UTILITY IS SUBMITTING JOBS WITH TYPRUN=SCAN

**Explanation:** Highlighted, unrollable message.

The Tape Pull List is currently submitting jobs with TYPRUN set to SCAN. To perform JCL checking, the Tape Pull utility submits jobs through the internal reader with the TYPRUN parameter set to SCAN. It then reads the sysout of the jobs that are submitted, and deletes the sysout from the spool.

**Corrective Action:** No action is required.

CTM038I TAPE PULL LIST UTILITY STARTED

**Explanation:** The Tape Pull List utility has started.

**Corrective Action:** No action is required.
CTM039I TAPE PULL LIST UTILITY ENDED

**Explanation:** The Tape Pull List utility has ended.

**Corrective Action:** No action is required.

CTM041I NEW ACTIVE JOBS FILE SUCCESSFULLY CREATED

**Explanation:** This information message indicates that the CTMCAJF utility has successfully copied the Active Jobs file.

**Corrective Action:** No action is required.

CTM041S SMFWTM RETURNED RC= 4 - SMF RECORD TOO LONG

**Explanation:** Highlighted, unrollable message.
Control-D attempted to write an SMF record, but the record could not fit completely in an SMF data set.
The CTDX006 Control-D Exit has been modified, but an incorrect value was moved to the SMFLEN field (DSECT CTDUSMF). This field contains the length of the SMF record.
The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Correct the problem in CTDX006, assemble and link-edit this exit, and bring down Control-D. When Control-D is brought up again, SMF recording will resume.

CTM042S SMFWTM RETURNED RC= 8 - SMF RECORD TOO SHORT

**Explanation:** Highlighted, unrollable message.
Control-D attempted to write an SMF record which is less than 18 characters long.
The CTDX006 Control-D Exit has been modified, but an incorrect value has been moved to the SMFLEN field (DSECT CTDUSMF). This field contains the length of the SMF record.
The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the Control-D log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Correct the problem in CTDX006, assemble and link-edit this exit, and bring down Control-D. When Control-D is brought up again, SMF recording will resume.

CTM043S REQUIRED OPERATION CANNOT BE PERFORMED BECAUSE THE Control-M MONITOR IS ACTIVE

**Explanation:** An attempt has been made to run the CTMCAJF utility while the Control-M monitor is active. Maintenance of the Control-M Active Jobs file can be performed only when the Control-M monitor is not active.
The CTMCAJF utility determines whether a Control-M monitor is active by using the enqueue management mechanism to enquire whether the QNAME of the monitor is in use. If the QNAME is not in use, the monitor is down.
The utility terminates with a condition code of 08.

**Corrective Action:** Shut down the Control-M monitor. If you are using the COPY function, read the instructions for the utility in the *Control-M for z/OS User Guide.*

**CTM044S SMFWTM RETURNED RC= 20 - SMF EXIT IEFU83 SUPPRESSED THE RECORD**

**Explanation:** Highlighted, unrollable message.

Control-D attempted to write an SMF record, but the IEFU83 SMF exit suppressed the record.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Correct the IEFU83 SMF exit to allow Control-D to write SMF records. When Control-D is brought up again, SMF records will resume.

**CTM045S SMFWTM RETURNED RC= 24 - THE SMF FILES ARE FULL**

**Explanation:** Highlighted, unrollable message.

Control-D attempted to write an SMF record, but the SMF files are full.

The SMF record is not written, but Control-D continues processing. Control-D will write the SMF049I message to the IOA Log file. This log message is a replacement for SMF recording, and can be entered into SMF later.

Control-D will keep attempting to write to the SMF file. If the SMF file is still full, the SMF049I message will be written to the log.

Please note that Control-D does not have to be taken down. As soon as room is found on an SMF file, SMF recording will take place automatically.

**Corrective Action:** The operator should clear SMF files according to the conventions of the site. As soon as this is done, Control-D will automatically continue with SMF recording.

**CTM046S BLDL/LOAD FAILED FOR THE MODULE " modName "**

**Explanation:** This is one of two messages with the same ID, but different text.

Loading of the modName module failed.

Possible causes are:

- The IOA Load library is not in the load modules search list (STEPLIB + Linklist).
- There is insufficient memory.
- There is some other system-oriented reason which may be found in the syslog.

Execution might stop.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.
CTM046S INTERNAL PROBLEM IN MVS. SMF RECORD NOT WRITTEN

**Explanation:** This is one of two messages with the same ID, but different text.

Highlighted, unrollable message.

Control-D attempted to write an SMF record, but there is an internal problem in MVS.

This is due to one of the following return codes from MVS:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>Record is not currently being recorded.</td>
</tr>
<tr>
<td>40</td>
<td>Buffer storage caused data to be lost.</td>
</tr>
<tr>
<td>44</td>
<td>SVC 83 unable to establish recovery.</td>
</tr>
</tbody>
</table>

For information about the return code, see message SMF047S.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording.

From this point on, instead of writing to SMF, the SMF049I message is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Call the system programmer. After the problem is fixed by the system programmer, bring down Control-D. When Control-D is brought up again, SMF recording will resume.

CTM047S RC= rc RECEIVED FROM MACRO SMFWTM

**Explanation:** Highlighted, unrollable message.

Control-D is unable to write SMF records.

Possible causes are:

- The SMF046S message was issued. This message specifies the RC returned by SMF.
- An unknown return code was issued by SMF. This message specifies the RC returned by SMF.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording.

From this point on, instead of writing to SMF, the SMF049I message is written to the Control-D log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Call your INCONTROL administrator.

CTM049I NEW HISTORY JOBS FILE SUCCESSFULLY CREATED

**Explanation:** This information message indicates that the CTMHCOPI utility successfully created a new History Jobs file from the old one.

**Corrective Action:** No action is required.
CTM050I NEW TIME ZONE DEFINITIONS SUCCESSFULY LOADED

Explanation: This information message indicates that when the Control-M monitor was started, newly specified Time Zone definitions were successfully loaded.

Corrective Action: No action is required.

CTM053S OPEN OF MANUAL CONDS SYNC FILE FAILED. DDNAME "DANSINC"

Explanation: An attempt to open the Manual Conditions Synchronization file failed (the DANSINC DD statement).

Possible causes are:

- The DANSINC DD statement is missing.
- The file allocated to the DANSINC DD statement is not the IOA Manual Conditions Synchronization file.
- The file allocated to the DANSINC DD statement is the IOA Manual Conditions Synchronization file, but it is a different version or for a different IOA installation.

Corrective Action: Correct the JCL for the job or the allocations for the CLIST.

CTM054I LOADING OF IOA MANUAL CONDITIONS FILE STARTED

Explanation: This information message indicates that loading of the IOA Manual Conditions file has started.

The IOALDNRS utility will start collecting the Manual Conditions from the job orders on the Active Jobs file. These are all the prerequisite conditions which are suspected of requiring manual confirmation.

Corrective Action: No action is required.

CTM055I LOADING OF IOA MANUAL CONDITIONS FILE ENDED

Explanation: This information message indicates that the IOA Manual Conditions file has finished loading.

The Manual Conditions file currently contains all the missing conditions for the job orders on the Active Jobs file.

Corrective Action: No action is required.

CTM056S IOA MANUAL CONDITIONS FILE WAS NOT LOADED

Explanation: The IOA Manual Conditions file was not loaded (the IOALDNRS utility). The utility output should contain a prior message that describes the cause of the problem, or whether the AJF (if Control-M is in use) and the AMF (if Control-D is in use) files are empty.

Corrective Action: Correct the problem and rerun the utility.
CTM057S OPEN OF CONTROL-M ACTIVE JOBS FILE FAILED - DDNAME "DACKPT"

**Explanation:** Open of Control-M Active Jobs file failed (the DACKPT DD statement).

The error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List and is due to one of the following:

- The DACKPT DD statement is missing.
- The data set described by the DACKPT DD statement is not the Control-M Active Jobs file.
- The data set described by the DACKPT DD statement is the Control-M Active Jobs file, but of another Control-M monitor, or of a different version of Control-M.

The IOALDNRS utility will terminate with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.

CTM058E FILE ALLOCATED TO DDNAME "DACKPT" IS NOT CONTROL-M ACTIVE JOBS FILE

**Explanation:** The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.

This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List.

Possible causes include:

- The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.
- The file allocated to the DACKPT DD statement is the Control-M Active Jobs file, but it is of a different version or of a different Control-M monitor.

The IOALDNRS utility will terminate with a condition code of 08. The IOA Manual Conditions file will not be loaded.

**Corrective Action:** Correct the JCL for the job.

CTM059E ACTIVE JOBS FILE IS BEING FORMATTED. PLEASE TRY AGAIN LATER

**Explanation:** The Active Jobs file is currently being formatted, which indicates that the New Day procedure is running.

This error message is issued by the IOALDNRS utility (used to load or create the Manual Conditions List), which terminates with a condition code of 08. The IOA Manual Conditions file is not be loaded.

**Corrective Action:** Try again later.

If the Control-D and Control-M New Day procedures start at the same time, you need to ensure that both procedures finish before running the IOALDNRS utility or the CTDLDNRS step. Use one of the following options:
- Set Control-D New Day time (DAYTIMED) long enough after Control-M New Day time (DAYTIME) to ensure that Control-M New Day is ended.
- Remove the CTDLDNRS step from the CTDNDAY procedure. Run the IOALDNRS utility after both Control-M and Control-D New Day procedures have finished.

**CTM060W ACTIVE JOBS FILE IS EMPTY**

**Explanation:** The IOA Manual Conditions file is not built. The Active Jobs file is empty.

This error message is issued by the IOALDNRS utility, which loads or creates the Manual Conditions List. No manual conditions are found because there are no job orders.

The IOA Manual Conditions file will not be loaded.

**Corrective Action:** No action is required.

**CTM061E FILE ALLOCATED TO DDNAME "DASINC" IS NOT THE IOA SYNCHRONIZATION FILE**

**Explanation:** The data set described by the DASINC DD statement is not the IOA Conditions Synchronization file.

This error message is issued by the IOALDNRS utility, which loads or creates the Manual Conditions List. Possible causes are:

- The file allocated to the DASINC DD statement is not the IOA Conditions Synchronization file.
- The file allocated to the DASINC DD statement is the IOA Conditions Synchronization file, but it is of a different version or of a different IOA monitor.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.

**CTM062E FILE ALLOCATED TO DDNAME "DANSINC" IS NOT THE IOA MANUAL CONDS SYNC FILE**

**Explanation:** The data set described by the DANSINC DD statement is not the IOA Manual Conditions Synchronization file.

This error message is issued by the IOALDNRS utility, which loads or creates the Manual Conditions List. Possible causes are:

- The file allocated to the DANSINC DD statement is not the IOA Manual Conditions Synchronization file.
- The file allocated to the DANSINC DD statement is the IOA Manual Conditions Synchronization file, but it is of a different version or of a different IOA monitor.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.
CTM064E INVALID PARAMETER:- parm

Explanation: Invalid parameter for the IOALDNRS utility.

This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List. For more details, please see the IOALNDRS utility in the INCONTROL for z/OS Utilities Guide.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

Corrective Action: Correct the parameter syntax (the IOALDNRS utility).

CTM065E MISSING PARAMETER AFTER:- parm

Explanation: Missing subparameter after the parm parameter.

This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List. For more details, please see the IOALDNRS utility in the INCONTROL for z/OS Utilities Guide.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

Corrective Action: Correct the parameter syntax (the IOALDNRS utility).

CTM066E REDUNDANT PARAMETER: - parm

Explanation: Redundant parameter for the IOALDNRS utility.

This error message is issued by the IOALDNRS utility, which loads or creates the Manual Conditions List. For more details, please see the IOALDNRS utility in the INCONTROL for z/OS Utilities Guide.

The IOALDNRS utility will terminate with a condition code of 08. The IOA Manual Conditions file is not loaded.

Corrective Action: Correct the parameter syntax (the IOALDNRS utility).

CTM069E OPEN OF ACTIVE MISSIONS FILE FAILED - DDNAME "DAAMF"

Explanation: Open of Control-D Active Missions file failed (the DAAMF DD statement).

This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List, and is due to one of the following:

- The DAAMF DD statement is missing.
- The data set described by the DAAMF DD statement is not the Control-D Active Missions file.
- The data set described by the DAAMF DD statement is the Control-D Active Missions file, but of another Control-D monitor, or of a different version of Control-D.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

Corrective Action: Correct the JCL for the job.
CTM070E FILE ALLOCATED TO DDNAME "DAAMF" IS NOT THE EXPECTED ACTIVE MISSIONS FILE

**Explanation:** The file allocated to the DAAMF DD statement is not the Control-D Active Missions file.

This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List, and may be due to one of the following:

- The file allocated to the DAAMF DD statement is not the Control-D Active Missions file.
- The file allocated to the DAAMF DD statement is the Control-D Active Missions file, but of another Control-D monitor, or of a different version of Control-D.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.

CTM071E ACTIVE MISSIONS FILE IS FORMATTING NOW

**Explanation:** The Control-M Active Missions file is currently formatting, meaning, the Control-D New Day procedure is running.

This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file will not be loaded.

**Corrective Action:** Try again later.

CTM072E ACTIVE MISSIONS FILE IS DAMAGED - NOTIFY THE IOA ADMINISTRATOR

**Explanation:** The Active Missions file is probably damaged.

The program stops executing with a condition code of 08.

**Corrective Action:** Check whether the file allocated to the DAAMF DD statement is the Control-D Active Missions file. If it is, it has been damaged; in that event, consult your INCONTROL administrator or BMC Customer Support.

CTM075S OPEN OF DDNAME "DASIMOUT" FAILED. SIMULATION STOPPED

**Explanation:** Open of simulation printout file failed (the DASI MOUT DD statement - the CTMSIM utility).

This is due to one of the following:

- The DASIMOUT DD statement is missing.
- The data set described by the DASIMOUT DD statement cannot be opened for sequential write.

The simulation stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL for the job.
CTM076I  SIMULATION STARTED

Explanation: This information message indicates that simulation started (the CTMSIM Control-M utility). This message is issued by the CTMSIM Control-M utility, which activates the Simulation and Forecasting Facility.

Corrective Action: No action is required.

CTM077S  OPEN OF DDNAME "DASIMPRM" FAILED. SIMULATION STOPPED

Explanation: Open of simulation parameters file failed (the DASIMPRM DD statement - the CTMSIM utility)

This could be due to one of the following:
- The DASIMPRM DD statement is missing.
- The data set described by the DASIMPRM DD statement cannot be opened for sequential read.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the JCL for the job.

CTM078I  SIMULATION ENDED

Explanation: This information message indicates that simulation has ended (the CTMSIM Control-M utility).

Corrective Action: No action is required.

CTM085S  LOADING OF SIMULATION CONTROL TABLE FAILED. SIMULATION STOPPED

Explanation: Loading of simulation control table failed. The CTMSMT module is not in the IOA SIML library, or there is insufficient memory.

Simulation stops.

Corrective Action: Check the IOA SIML library or increase the REGION size.

CTM090E  INSUFFICIENT MEMORY. UNABLE TO CONVERT TABLE

Explanation: There is not enough memory available for the CTMBGRP utility.

The utility ends with a return code of 20 without converting any jobs.

Corrective Action: Increase the REGION size and resubmit the utility.

CTM091E  TABLE tableName IS IN USE. TRY AGAIN LATER.

Explanation: The tableName table is being used by another user or by the Control-M monitor.

The table is not converted. The utility continues processing with the next table, and ends with a return code of 8.

Corrective Action: Try to convert the table later.
CTM092E TABLE `tableName` IS NOT A VALID SCHEDULING TABLE

**Explanation:** The `tableName` table specified by the user is not a valid scheduling table. As a result, the table cannot be converted into a group format.

The table is not converted. The utility continues with the next table, and ends with a return code of 8.

**Corrective Action:** No action is required.

CTM093E CTMMEM FAILED. TABLE= `tableName`, FUNCTION= `func`, RC= `rc`

**Explanation:** The CTMGRB utility issued function `func` for table `tableName`. The function failed. The CTMMEM service routine ended with a return code of `rc`.

The table is not converted. The utility continues with the next table, and ends with a return code of 8.

**Corrective Action:** Check the function and return code of CTMMEM and correct the problem. For details about CTMMEM functions and return codes, see DOCIMEM in the IOA DOC library.

CTM094S CTMGRB INITIALIZATION FAILED: `shortDesc`

**Explanation:** The initialization phase of the CTMGRB utility failed. A short description (`shortDesc`) at the end of the message specifies the cause of the failure. For example:

- LOAD FAILED FOR MODULE `modName`
- OPEN `fileName` FAILED
- DD `ddName` MISSING

The utility terminates with a return code of 16, and no jobs are converted.

**Corrective Action:** Check the short description specified in the message, and proceed accordingly.

CTM095I CTMGRB ENDED. MAX RC: `rc`

**Explanation:** This information message indicates that the CTMGRB utility has finished running

- displays the highest return code (`rc`) from the utility conversions

**Corrective Action:** No action is required.

CTM096I CTMGRB `msg` - TABLE `tableName` FROM `dsn`, GROUP `grpname`

**Explanation:** This information message is issued at the beginning and end of each table conversion. The variables in this message are:

- `msg` - information about the table conversionValid values are:
  - CONVERT STARTED - The conversion has begun.
  - ENDED “OK” - The conversion ended and was successful,
  - ENDED “NOT OK” - The conversion ended and was unsuccessful.
**TableName** - the name of the table

**Groupname** - the group name that was added to the new table by the conversion process

**Corrective Action:** If the value of `msg` was ENDED "NOT OK", check for a previous error message specifying the cause of the error and proceed accordingly.

---

**CTM097I JOB jobName CONVERTED USING RBC rbcName**

**Explanation:** This information message is issued for each job converted.

As part of the conversion process, basic scheduling criteria for each job are replaced by a schedule RBC. The message indicates the job name and the new schedule RBC that was added to it.

**Corrective Action:** No action is required.

---

**CTM098W TABLE TableName CONTAINS ONLY COMPRESS JOBS. NOT CONVERTED TO GROUP FORMAT**

**Explanation:** The `TableName` table that was selected for conversion contains only COMPRESS jobs. COMPRESS jobs are job scheduling definitions utilizing MINIMUM and PDS. If an entire table contains only COMPRESS jobs, the entire table is not converted and this message is issued.

The utility continues with the next table and ends with a return code of 4.

**Corrective Action:** No action is required.

---

**CTM099E TABLE TableName IS ALREADY A GROUP TABLE**

**Explanation:** The `TableName` table, which was selected for conversion, is already in group format. The table is not converted. The utility continues with the next table and ends with a return code of 8.

**Corrective Action:** No action is required.

---

**CTM09AE INVALID SYSIN CARD ENCOUNTERED: text**

**Explanation:** For one table, an invalid keyword was specified, or a valid keyword was omitted from the file referenced to by the SYSIN DD statement.

The variable `text` specifies the SYSIN statement and the error. Examples are:

- **MISSING KEYWORD** `keyword`
- **MISSING CARD** `ddstmt`

The utility continues with the next table and ends with a return code of 8.

**Corrective Action:** Proceed according to the variable text specified in the message.

---

**CTM09BW TABLE XXXXXXXX, JOB YYYYYYYY CONTAINS AN RBC - NOT CONVERTED TO SMART TABLE FORMAT**

**Explanation:** During the execution of the CTMBTBL utility, an attempt was made to convert a regular scheduling table to a SMART table format. However, the utility encountered a job in the table which contains a CTM-Level RBC. The utility does not support such tables and the table is not converted.
The utility bypasses the affected table and continues processing other table conversion request. The utility ends with a return code of 4.

**Corrective Action:** No action is required.

**Messages CTM100 through CTM1xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTM100I CONTROL-M MONITOR STARTED**

**Explanation:** This information message is a general message issued when the Control-M monitor is started.

**Corrective Action:** No action is required.

**CTM101I NEWCONLIST COMMAND ACCEPTED. SUB SYSTEM(S) WILL BE NOTIFIED**

**Explanation:** This information message appears after the operator issued a NEWCONLIST modify command to Control-M.

The Control-M monitor will notify all the console subsystems on all the computers of the required change.

**Corrective Action:** No action is required.

**CTM101S LCT EXCEEDED MAXIMUM NUMBER OF ENTRIES (10000)**

**Explanation:** An attempt was made to add an entry to the Local Command Table (LCT), an internal program table, but it already contains the maximum number of allowable entries.

Control-M Extended MCS tracking is stopped.

**Corrective Action:** Check the SPY289E message, which always accompanies this message, and proceed accordingly.

**CTM102E CONTROL-M MONITOR NOT APF-AUTHORIZED**

**Explanation:** The Control-M monitor is not APF-authorized. The CTMRUN module is not in an APF-authorized library, or does not have the AC attribute set to 1.

The Control-M monitor terminates with a return code of 8.

**Corrective Action:** Add the library name in which CTMRUN resides to the IEAAPF00 member in SYS1.PARMLIB.

**CTM102S JNF EXCEEDED MAXIMUM NUMBER OF ENTRIES (10000)**

**Explanation:** An attempt was made to add an entry to the Job Not Found Table (JNF), an internal program table, but it already contains the maximum number of allowable entries.

Control-M Extended MCS tracking is stopped.

**Corrective Action:** Check the SPY289E message, which always accompanies this message, and proceed accordingly.
CTM103E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

**Explanation:** An erroneous parameter was passed to the Control-M monitor by an operator modify command (F). A list of valid modify parameters is displayed on the console after this message. The modify command is rejected.

**Corrective Action:** Enter a correct modify parameter.

CTM104S BDL/ATTACH CTMMRUN FAILED FOR TASK *taskName*

**Explanation:** Initialization of the *taskName* Control-M monitor internal task failed.

Possible causes are:
- The task was not found in the IOA Load library.
- There is insufficient memory for the Control-M monitor.

The exact reason (system code) can be found on the computer log.

Control-M monitor shuts down.

**Corrective Action:** Call your system programmer for assistance. If necessary, increase the Control-M monitor REGION size.

CTM105S UNRECOVERABLE ERROR ENCOUNTERED

**Explanation:** An unrecoverable error occurred in the operation of the Control-M monitor. The IOA Log contains a previous message concerning the error.

The Control-M monitor may:
- abend on U0006
- terminate with a non-zero return code
- hang. See the IOA Administrators Guide, Chapter 3, section 'Shutting Down the Control-M Monitor' to perform a manual shutdown.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, prepare the Control-M monitor full output and contact BMC Customer Support.

CTM106S SUBTASK *subtaskName* HAS ABENDED

**Explanation:** The *subtaskName* Control-M monitor internal subtask has abended.

Control-M monitor shuts down with the 0006 user abend. A dump of the abending task will be included in the output.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, prepare the Control-M monitor full output and contact BMC Customer Support.

CTM107I SHUT DOWN UPON REQUEST FROM OPERATOR

**Explanation:** This information message is issued when the Control-M monitor is shut down upon request from the operator.

Control-M monitor shuts down.
Corrective Action: No action is required.

CTM108S INITIALIZATION ROUTINE FAILED. RC= \textit{rc}

\textbf{Explanation:} \textit{Highlighted, unrollable message.}

Error encountered when initializing the Control-M monitor.

The exact cause of the error is indicated by the return code (\textit{rc}).

The Control-M monitor shuts down.

Corrective Action: If the return code (rc) is 4, verify that the JES subsystem name as defined in IEFSSN\textit{xx} is either JES2 or JES3, and that the JESTYPS parameter in the IOAPARM member is either JES2 or JES3.

If the return code is 8, certain load modules are missing from the IOA LOAD library. Restore the original LOAD library.

If the return code is 24, the IOADEST table (the dynamic destination table for group Shout messages) is missing from the IOA PARM library.

CTM109I THE NUMBER OF INTERVALS TO WAIT FOR THE CONTROL-M DAILY IS SET TO \textit{number/} intervals

\textbf{Explanation:} This information message indicates that after a Control-M monitor issues message CTM113I, it is waiting for the displayed number of Control-M sleeping intervals for the New Day procedure to start executing. If the New Day procedure does not start executing, message CTML03W is issued, followed by message CTML06W.

Corrective Action: No action is required.

CTM111I JOURNAL COMMAND ACCEPTED: \textit{cmd}

\textbf{Explanation:} This information message indicates that a JOURNAL\textasciitilde{}ENABLE or JOURNAL\textasciitilde{}DISABLE modify command was accepted. The command is echoed (as \textit{cmd}) in the message.

Corrective Action: No action is required.

CTM112E SMFID \textit{smfid} IS NOT DEFINED IN CONTROL-M INSTALLATION PARAMETERS

\textbf{Explanation:} The Control-O or CMEM subsystem initialization routine is running under a CPU that was not defined in the IOACPRM member.

Possible causes are:

\begin{itemize}
  \item The CPU in which Control-O or CMEM runs is not defined in the IOACPRM member.
  \item The computer in which Control-O or CMEM runs is a multi-CPU computer, and the SID parameter in the SMFPRM \textit{xx} member in SYS1.PARMLIB does not define all the CPUs correctly.
\end{itemize}

Control-O or CMEM monitor shuts down.

Corrective Action: Do the following:
1. Check that the SMF ID of the computer in which Control-O or CMEM is being initialized is defined in the list of SMF IDs in the IOACPRM member.
2. If the IOACPRM definition appears correct, check the SMF ID defined in SYS1.PARMLIB.
3. In a multi-CPU computer, issue from the console the MVS command $D M=CPU to receive a listing of all CPU serial numbers, and compare them with the PARMLIB definition.

CTM112I  fileName SUPPORT NOT ACTIVATED
Explanation: This information message indicates that History/Journal support is not set to Y in the CTMPARM member.
This message is generated in response to a HISTALOC/JOURNAL=ENABLE or HISTALOC/JOURNAL=DISABLE modify command. This command could not be processed because History/Journaling is not enabled.
Corrective Action: Set HIST/JRN to Y in the CTMPARM member.

CTM113I CONTROL-M MONITOR monName NEW DAY PROCESSING STARTED
Explanation: Highlighted, unrollable message.
This information message indicates that the monName Control-M monitor has begun performing a number of housekeeping tasks prior to submitting the New Day procedure.
Control-M suspends processing at the time specified in CTMPARM to allow the New Day procedure to run.
The Control-M monitor remains suspended until the New Day procedure is successfully completed. At the successful completion of the New Day procedure, the monitor resumes normal execution.
Corrective Action: No action is required.

CTM113W CONTROL-M MONITOR SHUTTING DOWN FOR A NEW DAY
Explanation: Highlighted, unrollable message.
See RUN113W.
Corrective Action: No action is required.

CTM114E JOB HANDLED AT TIME OF ABEND: ID= id MEMBER= memName USER-ID= userId
Explanation: A subtask abended.
As a result of the subtask abend, the RUN106S message is issued. This message follows RUN106S with additional information. The ID (id), member name (memName), and user ID (userId) displayed in the message are from the Master Index file (MIT) that was handled by the subtask when it abended.
Corrective Action: No action is required.

CTM116S OPEN OF ACTIVE JOBS FILE FAILED - DDNAME "DACKPT"
Explanation: Highlighted, unrollable message.
Open of Control-M Active Jobs file failed (the DACKPT DD statement). Possible causes are:

- The DACKPT DD statement missing.
- The data set described by the DACKPT DD statement is not the Control-M Active Jobs file.
- The data set described by the DACKPT DD statement is the Control-M Active Jobs file, but of another Control-M monitor, or of a different version of Control-M.

Control-M monitor shuts down.

**Corrective Action:** Correct the JCL for the Control-M monitor.

**CTM117S ACTIVE JOBS FILE IS BEING FORMATTED NOW**

**Explanation:** Highlighted, unrollable message.

Control-M monitor was started while the Active Jobs file was being formatted. The New Day procedure did not finish formatting the file, either because it is still working, or because it abended. It is impossible to start the Control-M monitor until the New Day procedure finishes executing successfully.

The Control-M monitor shuts down.

**Corrective Action:** Check how the New Day procedure finished executing. All the problems of the New Day procedure must be corrected before restarting the Control-M monitor. Note, however, that if an IPL occurred during the previous run of the New Day procedure, it will correct itself when restarted. Therefore, it can be restarted without correction. If the New Day procedure is abended, it may be necessary to set all dates in the date control record (the DATREC member in the CTM PARM library) to one day prior to the current day and rerun the New Day procedure. If the procedure ends successfully, the user will be able to restart the Control-M monitor.

**CTM118S FILE ALLOCATED TO DDNAME "DACKPT" IS NOT THE EXPECTED ACTIVE JOBS FILE**

**Explanation:** Highlighted, unrollable message.

The data set described by the DACKPT DD statement is not the expected Control-M Active Jobs file. This could be due to one of the following:

- The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.
- The file allocated to the DACKPT DD statement is the Control-M Active Jobs file, but it is of a different version or of a different Control-M monitor.

Control-M monitor will shut down.

**Corrective Action:** Correct JCL for the Control-M monitor.

**CTM119S ACTIVE JOBS FILE IS DAMAGED - NOTIFY THE IOA ADMINISTRATOR**

**Explanation:** Highlighted, unrollable message.

The contents of the Active Jobs file have been corrupted.
The Active Jobs file is marked as FORMAT during New Day processing, and marked as FREE at successful completion. Currently, the file is not marked as FORMAT, nor as FREE. Control-M monitor will shut down.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, call your IOA Administrator.

**CTM120I** CONTROL-M MONITOR SHUTTING DOWN

**Explanation:** Highlighted, unrollable message.

This information message is issued by Control-M or Control-D when shutting down the Control-M monitor in response to a P command, or on certain internal Control-M events.

The IOA Log contains additional messages concerning the reason for shutting down.

Control-M monitor shuts down.

**Corrective Action:** No action is required.

**CTM121S** CONTROL-M MONITOR ENDED WITH ERROR

**Explanation:** Highlighted, unrollable message.

Control-M monitor ended with an error.

The IOA Log should contain additional messages concerning the specific error.

Control-M monitor will shut down.

**Corrective Action:** Check the IOA Log (or the computer log) for the reason. Call the system programmer for assistance if needed. Try to start the Control-M monitor again as soon as possible.

**CTM122W** YOUR CONTROL-M IS ALREADY ACTIVE. QNAME qName

**Explanation:** Highlighted, unrollable message.

An attempt has been made to start a Control-M monitor which is already active. Two Control-M monitors with the same qname cannot run at the same time.

The newly started Control-M monitor will shut down.

**Corrective Action:** No action is required.

**CTM123I** CONTROL-M INTERVAL IS SET TO nn SECONDS

**Explanation:** This information message is issued when an operator command is used to set a Control-M sleeping interval. For more details, see the INCONTROL for z/OS Administrator Guide.

Control-M monitor wakes up every \( nn \) seconds, and checks what to do.

**Corrective Action:** No action is required.

**CTM124E** VALID PARAMETERS FOR KEYWORD keywrd ARE: parms

**Explanation:** A MODIFY command containing invalid syntax was entered for the Control-M monitor.

In this message, \( parms \) is a list of the valid parameters.
Corrective Action: Enter one of the **parms** parameters.

**CTM125I validParm**

**Explanation:** This message indicates that an erroneous parameter was passed to the Control-M monitor by an operator modify command (F). The message follows the CTM103E message with a valid modify parameter.

**Corrective Action:** Enter a correct modify parameter.

**CTM126I NEW EXIT CTMX004 LOADED**

**Explanation:** This information message indicates successful execution of the CTMX004 operator modify command. A new Control-M resource acquisition user exit was loaded.

**Corrective Action:** No action is required.

**CTM127I NEWDEST COMMAND ACCEPTED: NEWDEST= tableName**

**Explanation:** A NEWDEST operator command has been passed successfully to the Control-M monitor. The Control-M monitor replaces the current destination table with the **tableName** destination table.

**Corrective Action:** No action is required.

**CTM128S OPEN OF DUAL ACTIVE JOBS FILE FAILED-DDNAME "DAALTCKP"**

**Explanation:** Highlighted, unrollable message.

Open of the Control-M Alternate (dual) Active Jobs file failed (the DAALTCKP DD statement).

This is due to one of the following:

- The DAALTCKP DD statement is missing.
- The data set described by the DAALTCKP DD statement is not a Control-M Active Jobs file.

This message will be produced only if Control-M is working in dual file mode, which is selected by setting the DUALDB parameter in the IOAPARM member in the IOA PARM library to Y.

The Control-M monitor will shut down with an error message.

**Corrective Action:** Correct the JCL for the Control-M procedure, and start it again. If you do not wish to run in dual file mode, correct the Control-M Installation Parameters (IOAPARM).

**CTM129W EXIT exitName WAS NOT LOADED**

**Explanation:** Control-M failed to load the **exitName** user exit. Common reasons for failure are:

- The IOA Load library is in the Linklist, and someone has updated the library without performing a refresh for the LLA.
- The last assembly or linkage of the exit failed.
- There is insufficient memory to load the new exit.

Control-M will bypass the exit and continue to run.

**Corrective Action:** Check the computer Log for the cause of the failure.
CTM12AE CONTROL-M EXTENDED MCS INITIALIZATION FAILED. RC= rc, MCSOPER RC= mcssoper_rc REASON= rsn

Explanation: Initialization of the extended MCS console component of Control-M failed.

The second return code (mcssoper_rc) and the reason code (rsn) are displayed only if the value of rc, the first reason code, is 16 or 20.

Possible values for rc, the first return code, are shown in the following table.

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Authorization failed</td>
</tr>
<tr>
<td>12</td>
<td>Version of operating system not supported</td>
</tr>
<tr>
<td>16</td>
<td>See the Note below this table.</td>
</tr>
<tr>
<td>20</td>
<td>See the Note below this table.</td>
</tr>
<tr>
<td>24</td>
<td>There is insufficient memory</td>
</tr>
<tr>
<td>32</td>
<td>ENQ for the console already held.</td>
</tr>
</tbody>
</table>

Note:
If the value of rc is 16 or 20, the second return code (mcssoper_rc) and the reason code (rsn) from the MCSOPER facility are also displayed.

All services relying on an extended MCS console function are inoperable.

Corrective Action: Correct the problem according to the return code displayed in the message.

For the meanings of the MCSOPER return and reason codes displayed if the return code is 16 or 20, see the description of the MCSOPER macro in the IBM Application Development Reference - Services for Authorized Assembler Language Programs.

Once the cause of the problem has been corrected, bring the Control-M monitor down and up again.

CTM130E SYNTAX ERROR. "QUIESQRES" COMMAND IGNORED

Explanation: The Control-M monitor attempted to evaluate the QUIESQRES command identified in the preceding CTML18I message, but found invalid command syntax.

For a detailed description of the command syntax, see the section on activating and deactivating quiesced quantitative resources in the Control-M chapter of the INCONTROL for z/OS Administrator Guide.

The Control-M monitor ignores the command.

Corrective Action: Enter another QUIESQRES command using valid syntax.

CTM131I NO QUIESCE TIME ASSIGNED TO RESOURCE resourceName

Explanation: The following command was given:
F CONTROLM,QUIESQRES=resourceName,DISP|OFF

with the DISPLAY or OFF parameter. However, no QUIESCE time was assigned to the resourceName resource.

**Corrective Action:** No action is required.

**CTM132I** NO QUIESCE TIME ASSIGNED TO ANY RESOURCE

**Explanation:** The following command was given:

F CONTROLM,QUIESQRES=resourceName,DISP|OFF

with the DISPLAY or OFF parameter. However, no resource had a QUIESCE time assigned.

**Corrective Action:** No action is required.

**CTM133I** yyyy-mm-dd hh:mm QUIESCE TIME ASSIGNED TO RESOURCE resourceName

**Explanation:** This information message displays the action of the Control-M monitor in response to the following command:

F CONTROLM,QUIESQRES=resourceName,DISP|NOW|OFF|hh:mm

The date and time assigned in response to this command depend on the setting of the DISPLAY | NOW | OFF parameter, as follows:

- **DISPLAY** - the time that is currently assigned
- **NOW** - the time assigned is the time current at the time the command is processed
- **hh:mm** - the time assigned is the time specified in the command

**Corrective Action:** No action is required.

**CTM145E** taskType memName jobName /jobId OID=orderId ERROR IN IOAMEM FUNCTION func : RETURN CODE rc

**Explanation:** Highlighted, unrollable message.

Internal error in Control-M monitor.

In this message, rc consists of eight digits that include a 4-digit reason code and a 4-digit return code. For more information on these codes, see the description of IOAMEM in the INCONTROL for z/OS Administrator Guide.

Job submission stops. In some cases, the Control-M monitor will shut down.

**Corrective Action:** Do the following:
• Ask your INCONTROL administrator for assistance.
• If the Control-M monitor shuts down repeatedly, use the H option of the Control-M Active Environment screen (Screen 3) to hold the order that is causing the problem.
• If the return code indicates that an abend has occurred, check the Control-M system log for system messages associated with the abend.

CTM14AE JOB memName OID=orderId NOT SUBMITTED, MIGRATED DSN lib WTO for SUB14AE.

Explanation: Highlighted, unrollable message.
The job was not submitted because the library that contains its member migrated.
The job is not submitted and is assigned a NOTOK status with the NOLIB reason.
Corrective Action: Restore the library to disk and submit the job again.

CTM15CI memName... THE MEMBER HAS BEEN COPIED INTO OVERLIB lib

Explanation: The memName member has been copied from the MEMLIB library into the OVERLIB library, because the COPMEM20 installation parameter was set to Y.
Corrective Action: No action is required.

CTM15CW memName... THE MEMBER HAS NOT BEEN COPIED INTO OVERLIB. REASON: rc-rsn. LIBRARY: lib

Explanation: Although the COPMEM20 Control-M installation parameter was set to Y, Control-M failed to copy the memName member into the OVERLIB library.
The variables in this message are:
• memName - the name of the member that was not copied
• rc - the return code from the IOAMEM program
• rsn - the reason code from the IOAMEM program
• lib - the name of the OVERLIB library
For explanation of the values of rc and rsn, see the description of the IOAMEM Assembler Macro in the INCONTROL for z/OS Administrator Guide.
Corrective Action: Take corrective action on the basis of the values of rc and rsn.

CTM15DI memName... THE MEMBER HAS BEEN DELETED FROM OVERLIB lib

Explanation: The memName member has been deleted from the lib OVERLIB library, because either the DELOVRER or the DELOVRUN Control-M installation parameter was set to Y.
Corrective Action: No action is required.
CTM15DW memName... THE MEMBER HAS NOT BEEN DELETED FROM OVERLIB. REASON: rc-rsn. LIBRARY: lib

**Explanation:** Although either the DELOVRER or the DELOVRUN Control-M installation parameter was set to Y, Control-M failed to delete the memName member from the OVERLIB library.

The variables in this message are:
- **memName** - the name of the member that was not deleted
- **rc** - the return code from the IOAMEM program
- **rsn** - the reason code from the IOAMEM program
- **lib** - the name of the OVERLIB library

For explanation of the values of rc and rsn, see the description of the IOAMEM Assembler Macro in the *INCONTROL for z/OS Administrator Guide.*

**Corrective Action:** Take corrective action on the basis of the values of rc and rsn.

CTM161E taskType memName jobName | jobld OID=orderid SEVERE INTERNAL ERROR WHILE PROCESSING AUTOEDIT INSTRUCTIONS, RC=rc. SUBMISSION CANCELLED

**Explanation:** Severe Control-M internal error during submission of member.

The error occurred in the AutoEdit language interpreter.

Depending on the severity of the error, Control-M monitor will shut down, or at least job submission will be cancelled.

**Corrective Action:** Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support. You will probably be able to submit the member if you change (or omit) your AutoEdit control statements in the member, but keep a copy of the original member for problem resolution. If you hold the job order, Control-M monitor will not shut down.

CTM166E SUBMITTER FAILURE. CTMLIB ABENDED abCode ON FUNCTION func

**Explanation:** Highlighted, unrollable message.

An abend has occurred while trying to read a member.

The abend code (abCode) and function (func) can suggest the cause of the problem.

Control-M monitor does not abend. Processing of other jobs continues, but the job submission is terminated.

**Corrective Action:** Resolve the problem according to the abend code and rerun the job.

CTM168S CONTROL-M SHUTTING DOWN - COMMUNICATION TO "JES" NOT AVAILABLE

**Explanation:** Highlighted, unrollable message.
The Control-M monitor cannot communicate with JES, and therefore shuts down.

This can be due to the following:

- JES is not working or is in the process of shutting down.
- A subsystem of JES stopped working. JES will probably shut down soon with error, or may get stuck.
- There is some problem with JES operation.
- An error occurred in the Control-M interface to JES.

The Control-M monitor shuts down as a precaution. If something is wrong with JES, the results of job submission or the initiation of a started task may be unpredictable.

**Corrective Action:** If the problem is JES-related, after the JES problem is solved, start the Control-M monitor again.

If you cannot find the cause of the problem, have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support. The sysout of the DD statement DADUMP2 of the Control-M monitor procedure should contain a dump of problem-related areas which can help BMC Customer Support.

In any case, try to start Control-M monitor again, for production to continue.

**CTM169E SEVERE INTERNAL ERROR WHILE STARTING A STARTED TASK**

**Explanation:** A severe Control-M monitor error occurred while starting a started task.

The problem is probably in the Control-M monitor communication with JES. The return code $rc$ can be interpreted by BMC Customer Support.

The Control-M monitor may:

- abend on U0006
- terminate with a non-zero return code
- hang. See the IOA Administrators Guide, Chapter 3, section ‘Shutting Down the Control-M Monitor’ to perform a manual shutdown.

**Corrective Action:** Re-start the Control-M monitor.

- If the problem occurs again, hold the started task which causes the problem (it is in WAIT START state on the Active Environment screen).
- If the problem continues to appear for every started task, hold all the started tasks that should be started by Control-M. This will allow the jobs to run while someone tries to resolve the problem.
- Keep the dumps and contact your INCONTROL administrator.

**CTM170E SEVERE INTERNAL ERROR WHILE RELEASING AN ON SPOOL JOB**

**Explanation:** When the On Spool Facility tried to get the status of the job before releasing it, it received an unknown return code $rc$ from the subsystem request.

The job is not released.
Corrective Action: Have your INCONTROL administrator prepare the Control-M monitor full output and contact BMC Customer Support.

CTM180I ENABLED FOR THE AUTOMATIC RESTART MANAGEMENT FUNCTION. ELEMENT elemName

Explanation: This information message is issued by the Control-M monitor when the Automatic Restart Management function is enabled at monitor initialization time.

The Control-M monitor was requested to enable the Automatic Restart Management function under the elemName element name. When this succeeds, this information message is issued.

Corrective Action: No action is required.

CTM181I AUTOMATIC RESTART IN PROGRESS AFTER UNEXPECTED FAILURE

Explanation: If Automatic Restart Management support is enabled and the Control-M monitor fails unexpectedly, this information message is issued when the Control-M monitor is restarted automatically by MVS.

If the Control-M monitor fails unexpectedly when Automatic Restart Management support is enabled, this information message is issued when the Control-M monitor is automatically restarted by MVS.

Corrective Action: No action is required.

CTM182W AUTOMATIC RESTART MANAGEMENT REQUEST FOR ELEMENT elemName FAILED R15=nn REASON=rsn shortDesc

Explanation: This warning message is issued if the Control-M monitor fails to enable the Automatic Restart Management function under the elemName element.

The return and reason codes are documented in the Return and Reason Codes part of the “IXCARM Macro Instruction” section in the IBM manual MVS Programming: Sysplex Services References. The short description is only displayed for common errors.

The Control-M monitor continues without Automatic Restart Management support.

Corrective Action: Investigate why the enable request was refused and rectify the situation.

CTM183E JOB WAS PUT ON HOLD BY THE AUTOMATIC RECOVERY FEATURE

Explanation: Highlighted, unrollable message.

A job was put into Held status after a subtask abended.

As a result of the abending of the subtask, the CTM114E message is issued. If the MAXJBHLD parameter in the CTMPARM member is set to a value greater than zero, this message is issued following the CTM114E message.

The MAXJBHLD parameter sets the maximum number of jobs that can be put into Held status.

Corrective Action: No action is required.
CTM184E MAXIMUM NUMBER REACHED FOR AUTOMATIC RECOVERY FEATURE - DISABLED

**Explanation:** A job was previously put into Held status after a subtask abended. As a result of the abending of the subtask, the CTM114E and CTM183E messages are issued. This message is issued following the CTM183E message if both the following conditions are satisfied:

- The MAXJBHLD parameter in the CTMPARM member is set to a value greater than zero.
- The number of jobs already put into Held status is equal to the value set in the MAXJBHLD parameter.

The MAXJBHLD parameter sets the maximum number of jobs that can be put into Held status.

**Corrective Action:** No action is required.

CTM188W subtaskName IS PROCESSING JOB jobName ORDID orderId FOR MORE THAN number MINUTES

**Explanation:** The subtaskName subtask has been processing the job for an unreasonable amount of time. The task is most likely hung or in a loop.

Possible causes are:

- If CPU utilization by the Control-M monitor is not unusually high, most probably the subtask is waiting for completion of a system action (for example, recall of migrated data set), or it may point to a problem in MVS or JES.
- If CPU utilization by the Control-M monitor is unusually high, it may indicate a loop (in the base code or in a user exit).

The Control-M monitor continues processing as usual. The subtask continues processing of the indicated job.

**Corrective Action:** Review the system log for additional messages related to the problem.

If the reason for the problem is unclear, take the system (SVC) dump of the Control-M monitor's address space using the DUMP console command. Specify parameter SDATA=(CSA,GRSQ,SUM,RGN,TRT).

If the problem is outside Control-M, holding the job being processed and restarting the Control-M monitor may have only temporary effect.

CTM1A3S OID=orderId SEVERE INTERNAL ERROR READING AJF. RC=rc

**Explanation:** Severe error on Control-M Active Jobs file.

Possible causes are:

- An I/O error
- the file allocated to DD statement DACKPT is not the Control-M Active Jobs file
- the Active Jobs file was corrupted.

The 2TF Control-M program ends with errors.

**Corrective Action:** Have your INCONTROL administrator prepare the Control-M monitor full output and contact BMC Customer Support. Check if the file has been updated from multiple computers without global ENQ control, or updated by an unauthorized program.
CTM1A6S OPEN OF STATISTICS FILE FAILED. RC=rc ERROR=errCode

**Explanation:** Open of Control-M Job Statistics file failed.
Possible causes are:
- a missing DASTAT DD statement
- a VSAM open error

**Corrective Action:** Look for VSAM messages or other system messages, and correct the JCL for the Control-M monitor procedure.

CTM1ADW VM COMMAND OUTPUT TRUNCATED

**Explanation:** The response of the IOA VM command interface exceeded the 4096 bytes that the buffer can hold. The remainder of the response is truncated.

**Corrective Action:** Change the command so it can be held in the available buffer of 4096 bytes.

Messages CTM200 through CTM2xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTM20AE ERROR IN CTMPPE RC=rc, INFORM YOUR IOA ADMINISTRATOR

**Explanation:** An internal error was detected in MAINVIEW Batch Optimizer (MVBO) support. Control-M ends with an error and shuts down.

**Corrective Action:** Perform the following steps:
1. Activate debug level 75.
2. Restart the Control-M monitor.
3. Recreate the error.
4. Send full output of the Control-M monitor to your INCONTROL Administrator.

CTM20BE OID=orderId, MAXIMUM PIPES IN COLLECTION EXCEEDED (255), PIPES IGNORED

**Explanation:** Too many pipes were specified for the collection or the job added too many pipe definitions to the collection.
This message is issued by Control-M. This message may occur if:
- The job definition includes more than 255 pipe definitions.
- The collection contains the maximum number of pipes and the job tries to add additional pipe definitions.

The pipe definitions in the job (and in other jobs belonging to the same collection) will be ignored.

**Corrective Action:** Ensure that no more than 255 pipes are defined in the collection.
CTM221I IOA SUBSYSTEM subsys INITIALIZATION OF CONTROL-\(x\) FUNCTIONS STARTED

**Explanation:** This information message indicates that initialization of the INCONTROL application functions of the IOA subsystem started.

If \(x\) is M, this message is a result of one of the following:

- a START (S) command to the IOASINIT procedure with OPTIONS set to M
- Control-M (CMEM) subsystem function initialization as a result of Control-O shutdown process

If \(x\) is D, this message is issued as a result of a START command to the IOASINIT procedure with OPTIONS set to D.

If \(x\) is O, this message is issued as a result of a START command to Control-O.

The variables in this message are:

- **subsys** - Subsystem name.
- **x** - One of the following:
  - M - Control-M (CMEM) subsystem functions
  - D - CDAM subsystem functions
  - O - Control-O subsystem functions

**Corrective Action:** No action is required.

CTM224S SUBSYSTEM NAME subsys DOES NOT EXIST IN THE MVS TABLES

**Explanation:** If OPTION was set to D for IOASINIT, the subsystem name does not exist, and possible causes of this message are:

- There is a mismatch between the name specified in the AMNAME parameter (in the Control-D Installation Parameters) and the name specified in the IEFSSNxx member on SYS1.PARMLIB.
- The IEFSSNxx member on SYS1.PARMLIB was not modified to include the subsystem name.

If OPTION was set to M for IOASINIT, or Control-O is started, the subsystem name does not exist and dynamic allocation of the MVS subsystem tables is not allowed. In this case, possible causes of this message are:

- There is a mismatch between the name specified in the SSNAME parameter (in the IOA Installation Parameters) and the name specified in the IEFSSN xx member on SYS1.PARMLIB, and dynamic allocation for the subsystem tables in not allowed (SSALLOC was set to N).
- The IEFSSN xx member on SYS1.PARMLIB was not modified to include the subsystem name and dynamic allocation for the MVS subsystem tables is not allowed (SSALLOC was set to N).

Initialization of the subsystem fails.

**Corrective Action:** Define the subsystem name in the MVS table.
If OPTION was set to D for IOASINIT, see the sections on Control-D operational parameters for details about the AMNAME parameter, about defining the subsystem name in the MVS tables, and about installing the Compressed Dataset Access Method (CDAM), in the Control-D chapter of the INCONTROL for z/OS Installation Guide.

If OPTION was set to M for IOASINIT or Control-O is started, see the section on IOA operational parameters in the IOA chapter of the INCONTROL for z/OS Installation Guide for details about the SSNAME and SSALLOC parameters.

For details about defining the subsystem name in the MVS tables, see the section on installing the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the INCONTROL for z/OS Installation Guide.

CTM225S IOA SUBSYSTEM subsys INITIALIZATION OF CONTROL-x FUNCTIONS FAILED

Explanation: Highlighted, unrollable message.
Initialization of the Control- x subsystem functions failed.
The variables in this message are:
- **subsys** - Subsystem name.
- **x** - One of the following:
  - M - Control-M (CMEM) subsystem functions
  - D - CDAM subsystem functions
  - O - Control-O subsystem functions

If x is D, the following components of Control-D do not function:
- Report Decollation - You cannot decollate reports.
- Batch CDAM - You cannot create or read compressed CDAM data sets.
- Online Viewing - You cannot view reports.
- Printing - You cannot print reports.

If x is M, the CMEM subsystem functions are inactive.
If x is O, Control-O is not active.

Corrective Action: Check the system log for a earlier message concerning the error, and correct the error accordingly. If no error message preceded this one, the error is internal. Contact BMC Customer Support.

If x is D, the CTDAMUTI Control-D utility can be used for emergency situations. This utility decompresses the sysout to its original non-compressed form, even when the CDAM subsystem is inactive. For more information, see the CTDAMUTI utility in the INCONTROL for z/OS Utilities Guide.
CTM226E CMEM IS NOT SUPPORTED - ALL CMEM RELATED PARAMETERS WERE NOT DEFINED IN CTMPARM

Explanation: No values were entered for the ONSPTAB, CTM2SBS and CPUS CMEM-related parameters in the CTMPARM member. This message is issued by the CMEM subsystem initialization routine.

Initialization of the Control-M functions of the IOA subsystem fails.

Corrective Action: Refer to the section in the Control-M chapter of the INCONTROL for z/OS Installation Guide that describes the installation consideration when installing CMEM when Control-M is already installed.

CTM227I IOA SUBSYSTEM subsys INITIALIZATION OF CONTROL-\(x\) FUNCTIONS COMPLETED

Explanation: This information message indicates that initialization of the Control- \(x\) subsystem functions was successful. It is the normal termination message during initialization of the Control- \(x\) subsystem functions.

The variables in this message are:
- \(subsys\) - the subsystem name
- \(x\) - one of the following:
  - \(M\) - Control-M (CMEM) subsystem functions
  - \(D\) - CDAM subsystem functions
  - \(O\) - Control-O subsystem functions

Corrective Action: No action is required.

CTM228I IOA SUBSYSTEM subsys DEACTIVATION OF CONTROL-\(x\) FUNCTIONS STARTED

Explanation: This information message indicates that Control- \(x\) subsystem functions are being shut down. It is the normal message issued during shutdown of Control- \(x\) subsystem functions.

If \(x\) is \(M\), this message is issued as a result of either a START (S) command to the IOASTERM procedure with OPTIONS set to M, or starting Control-O monitor, in which case, the Control-O monitor takes over the CMEM functions and therefore stops the CMEM subsystem functions.

If \(x\) is \(D\), this message is issued as a result of a START command to the IOASTERM procedure with OPTIONS set to D.

If \(x\) is \(O\), this message is issued as a result of a Control-O shutdown.

The variables in this message are:
- \(subsys\) - the subsystem name
- \(x\) - One of the following:
  - \(M\) - Control-M (CMEM) subsystem functions
  - \(D\) - CDAM subsystem functions
CTM229I SUBSYSTEM `subsys` WAS USED BY ANOTHER IOA ENVIRONMENT (IOA QNAME)

**Explanation:** The `subsys` subsystem was used in the past for another IOA environment. Currently, there are no active components of this subsystem.

Control-O issues message CTM22AA.

**Corrective Action:** Respond to message CTM22AA.

CTM229S OPEN FAILED FOR DDNAME "DARES"

**Explanation:** Open of a debugging output file failed (the DARES DD statement).
This is probably because the DARES DD statement is missing in the Control-M procedure.
The Control-M monitor will shut down with error message.

**Corrective Action:** Correct the JCL for the Control-M monitor procedure and start it again.

CTM22AA ENTER "YES" TO RE-USE THE SUBSYSTEM OR "NO" TO STOP THE INITIALIZATION

**Explanation:** The situation described in message CTM229I prevents subsystem initialization. The response to this message determines the next action.
The task is suspended until a response to this message is received.

**Corrective Action:** Do one of the following:
- YES - re-use the subsystem by the new environment.
- NO - do not re-use the subsystem by the new environment; terminate subsystem initialization.

CTM22CI SUBSYSTEM INITIALIZATION TERMINATED DUE TO OPERATOR REQUEST

**Explanation:** This information message indicates that the user requested not to re-use the subsystem by the new environment, in response to message CTM22AA.
The subsystem initialization request is terminated.

**Corrective Action:** No action is required.

CTM22DI `monitorType` SWT CONTROL BLOCK IS REALLOCATED DUE TO VERSION CHANGE FROM `oldVersion` TO `newVersion`

**Explanation:** During initialization, Control-O or CMEM could not reuse the SWT control block, because it was allocated by version `oldVersion`. A new control block is allocated.

**Corrective Action:** No action is required.
CTM230S OPEN FAILED FOR DDNAME "DARESF"

**Explanation:** Open of Control-M Resources file failed (the DARESF DD statement).

Possible causes are:

- The DARESF DD statement is missing.
- The data set described by the DARESF DD statement is not the Control-M Resources file.
- The data set described by the DARESF DD statement is the Control-M Resources file of a different version or a different Control-M monitor.

The Control-M monitor shuts down.

**Corrective Action:** Correct the JCL for the Control-M procedure, and start it again.

CTM231I I OA SUBSYSTEM subsys DEACTIVATION OF CONTROL- x FUNCTIONS COMPLETED

**Explanation:** This information message indicates that shutdown of the Control- x subsystem functions was completed. It is the normal message issued during shutdown of the Control- x subsystem functions.

The variables in this message are:

- `subsys` - the subsystem name
- `x` - one of the following:
  - M - Control-M (CMEM) subsystem
  - D - CDAM subsystem
  - O - Control-O subsystem

If `x` is D, the CDAM access method is inactive. The following components of Control-D do not function:

- Report Decollation - You cannot decollate reports.
- Batch CDAM - You cannot create or read compressed CDAM datasets.
- Online Viewing - You cannot view reports.
- Printing - You cannot print any reports.

If `x` is M, the CMEM subsystem functions are inactive unless Control-O is active and took over the CMEM subsystem functions.

If `x` is O, Control-O is not active. If Control-O was stopped with the P CONTROLO command, then CMEM subsystem functions are active.

**Corrective Action:** No action is required.

CTM232S I OA SUBSYSTEM subsys DEACTIVATION OF CONTROL- x FUNCTIONS FAILED

**Explanation:** Highlighted, unrollable message.

Shutdown of the Control- x subsystem functions failed.
The variables in this message are:

- `subsys` - the subsystem name
- `x` - one of the following:
  - M - Control-M (CMEM) subsystem
  - D - CDAM subsystem
  - O - Control-O subsystem

If the Control-`x` subsystem functions were active, they are not shut down.

**Corrective Action:** Check the system log for a previous message concerning the error, and correct the error accordingly.

If no error message preceded this one, the problem is an internal error. Contact BMC Customer Support.

**CTM233E INVALID PARAMETER. ONLY "D" IS VALID**

**Explanation:** The subsystem initialization routine was given a null or invalid parameter. The subsystem initialization routine requires the parameter D.

**Corrective Action:** If the subsystem is initialized manually, specify the correct OPTION parameter in the START command. If the subsystem is initialized through the COMMND `xx` member in SYS1.PARMLIB, correct the OPTION parameter specified in the START command in the member.

**CTM236E SUBSYSTEM NAME IS NOT SPECIFIED IN IOAPARM**

**Explanation:** This is one of two messages with the same ID, but different text.

The subsystem initialization routine found a blank subsystem name definition in the IOAPARM member.

**Corrective Action:** Correct the SSNAME parameter in the IOAPARM member to specify a valid subsystem name, and check that the other subsystem-related parameters were defined correctly.

If Control-D subsystem functions are requested, check the AMNAME parameter in CTDPARM and correct if necessary.

**CTM236E ERROR WHILE ATTEMPTING TO OPEN THE STEPLIB DATASET**

**Explanation:** This is one of two messages with the same ID, but different text.

Control-O could not open file STEPLIB.

Control-O encountered an error opening the STEPLIB file while attempting to activate the alternate subsystem.

Control-O continues without activating the alternate subsystem.

**Corrective Action:** Verify that a STEPLIB library or concatenation of libraries exists. Reactivate Control-O.

**CTM237E ERROR WHILE ATTEMPTING TO LOCATE (BLDL) ONE OF THE SUBSYSTEM FUNCTION Routines**

**Explanation:** Control-O could not find at least one of the alternate subsystem function routines.
While attempting to activate the alternate subsystem, Control-O could not find at least one of the alternate subsystem function routines in the STEPLIB library or concatenation of libraries. Control-O continues without activating the alternate subsystem.

**Corrective Action:** Verify that these modules exist in the STEPLIB library or concatenation of libraries, and reactivate Control-O.

**CTM238E ERROR WHILE ATTEMPTING TO LOAD ONE OF THE SUBSYSTEM FUNCTION ROUTINES**

**Explanation:** Control-O could not load at least one of the alternate subsystem function routines. While attempting to activate the alternate subsystem, Control-O could not find at least one of the alternate subsystem function routines in the STEPLIB library or concatenation of libraries. Control-O continues without activating the alternate subsystem.

**Corrective Action:** Verify that these modules exist in the STEPLIB library or concatenation of libraries, and reactivate Control-O.

**CTM239E DYNAMIC SSI FAILED TO PERFORM REQUEST FOR subsys IOA SUBSYSTEM**

**Explanation:** *This is one of two messages with the same ID, but different text.*
The Dynamic Subsystem Interface Service (SSI) was not able to define the specified subsystem. The Dynamic SSI Service IEFSSI,REQUEST=ADD was used to define SSCT but failed to do so. More detailed information follows in the message: IEFSSI.m: RETURN CODE =s# , REASON CODE= #
The specified subsystem is not activated. The monitor shuts down.

**Corrective Action:** Call your system programmer.

**CTM239E ERROR WHILE ATTEMPTING TO ACQUIRE STORAGE FOR SUBSYSTEM FUNCTION ROUTINES OR THE SSVT**

**Explanation:** *This is one of two messages with the same ID, but different text.*
Control-O could not acquire enough CSA (Common Storage Area) storage to load alternate subsystem function routines or to build the SSVT for the alternate subsystem.

**Corrective Action:** If storage defined for CSA is not large enough, increase the CSA size and perform an IPL.

**CTM240I NEWCONLIST COMMAND RECEIVED. THE CMEM TABLE WAS RELOADED SUCCESSFULLY**

**Explanation:** This information message indicates that the Control-M or Control-O subsystem functions received the NEWCONLIST request from the Control-M monitor, and accordingly reloaded (refreshed) the CMEM table.
The Control-M or Control-O subsystem functions reloaded the CMEM table.
Corrective Action: No action is required.

CTM241W taskType memName jobName /jobId OUTPUT CONDITION condNameDate NOT UPDATED - NO MORE SPACE. NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

No more space to add output conditions to the conditions file. The date is in mmdd format.

The record for the specified day of the month is full. For example, if a condition with date reference of January 3 cannot be added, then an entry in the conditions file that contains conditions for the third day of every month is full.

The condition is not added, and a highlighted message is displayed on the operator console. Control-M continues to function, but the jobs that depend on the condition are not submitted.

Corrective Action: Immediate actions:
1. Enter Control-M Online Facility Resource Map (Screen 4). By changing the date range limit, find conditions with the same day (but a different month) as the condition that could not be added, and manually delete those that are not needed.
2. Add the failing condition manually, to maintain production flow.
3. Report the event to your system programmer.

Long term actions:
- Run the IOACLND Control-M utility more often.
- Increase the record length of the IOA Conditions file. For more information on how to do this, see the description of expanding IOA files in the INCONTROL for z/OS Administrator Guide.

CTM244S OPEN OF DD NAME "DAALTRES" AND/OR "DAALTSNC" FAILED. DUAL RESOURCE FILE IS NOT AVAILABLE

Explanation: Open of IOA alternate (dual) Conditions file (the DAALTCND DD statement) failed.
Possible causes are:
- The DAALTCND DD statement is missing.
- The data set described by the DAALTCND DD statement is not an IOA Conditions file.

This message will be produced only if Control-M is working in dual file mode (indicated in IOAPARM).

The Control-M monitor will shut down with an error message.

Corrective Action: Correct the JCL for the Control-M procedure, and start it again. If you do not wish to run in dual file mode, correct the Control-M Installation Parameters (IOAPARM).

CTM245E IOA SUBSYSTEM subsys FUNCTIONS FOR CONTROL-x ARE ALREADY ACTIVE. RUN IOASTERM BEFORE REACTIVATING THEM

Explanation: The Control- x subsystem functions cannot be activated (initialized) because they have already been activated. If x is O, Control-M and Control-O are activated concurrently.
The variables in this message are:

- **subsys** - the subsystem name
- **x** - One of the following:
  - M - Control-M (CMEM) subsystem
  - D - CDAM subsystem
  - O - Control-O subsystem

The request is ignored.

**Corrective Action:** No action is required.

- If `x` is O, stop the active Control-O with a `P CONTROLO` or `F CONTROLO,STOP` command. For more information, see the description of shutting down Control-O in the *INCONTROL for z/OS Administrator Guide*.
- If `x` is D, run the IOASTERM procedure with OPTIONS set to D to deactivate the Control-D subsystem functions.
- If `x` is M, stop the active CMEM facility with a `P CTMCMEM` command. For more information, see the description of shutting down the CMEM facility in the *INCONTROL for z/OS Administrator Guide*.

**CTM246W CMEM FACILITY SUSPENDED - COMM FILE IS FULL. CHECK IF CONTROL-M IS ACTIVE**

**Explanation:** The subsystem communication file is full, and therefore the CMEM subsystem functions overwrite the oldest messages. The file that is used by subsystem functions to communicate with the Control-M monitor is full. Old information will be lost.

Possible causes are:

- The Control-M monitor is down, and the communication file has filled up.
- A small communication file was allocated, and the subsystem adds information to it more quickly than the Control-M monitor can process.
- The communication file was put on a disk that is often inaccessible by the monitor, because of hardware reserves and so on.

**Corrective Action:** Check if the monitor is active; if it is not, bring it up. If the monitor is active, then check:

- the accessibility of the disk on which the file resides
- the size of the file
- the performance of the monitor

**CTM247E SUBSYSTEM-TO-MONITOR COMM FILE IS NOT FORMATTED, OR IS INVALID**

**Explanation:** The subsystem-to-monitor communication file has an invalid format or contains invalid data.

The Control-M (CMEM) subsystem functions shut down.
Corrective Action: Check the Control-M Installation Parameters (CTMPARM) definitions, and check whether the relevant file was formatted by the FORMSUB2 utility. To build the FORMSUB2 job, use the TAILOR JOB option, available from ICE by selecting MAINTAIN YOUR ENVIRONMENT => ICE REFRESH => OPTION 3. After the problem is solved, use the IOASINIT JCL procedure to reactivate the Control-M subsystem functions.

CTM248W IOA SUBSYSTEM subsys FUNCTIONS FOR CONTROL- x WERE ALREADY DEACTIVATED

Explanation: The Control- x subsystem functions cannot be deactivated because they are already inactive.

The variables in this message are:
- subsys - Subsystem name.
- x - One of the following:
  - M - Control-M (CMEM) subsystem functions
  - D - CDAM subsystem functions
  - O - Control-O subsystem functions

The request is ignored.

Corrective Action: No action is required.

CTM250I CONTROL-M IS TERMINATING. TERMINATION SHOULD BE COMPLETED IN LESS THAN TWO MINUTES

Explanation: Highlighted, unrollable message.

This information message indicates that the Control-M monitor is about to shut down because of an internal problem. Due to a unique situation, the termination process may take longer than usual.

Control-M monitor shuts down after approximately one minute.

Corrective Action: Do not cancel the Control-M monitor. If it does not shut down after 5 minutes, cancel it with DUMP, prepare the Control-M monitor full output, and notify BMC Customer Support. Find out why the Control-M monitor shut down and start it again as soon as possible.

CTM252S SEVERE INTERNAL ERROR

Explanation: Severe Control-M monitor internal error while processing the above mentioned job order.

Control-M monitor will abend with the user code 0006. The internal task CTMSPY will abend with the user code 0040.

Corrective Action: Control-M Log should contain additional messages describing the type of error.

CTM255S CONTROL-M SHUTTING DOWN - SEVERE ERROR WHILE PROCESSING JOB SYSOUT

Explanation: Highlighted, unrollable message.

Control-M monitor had a severe error while reading the output of the job and is shutting down.
Control-M monitor will shut down.

**Corrective Action:** Check the contents of the IOA Log for prior messages that will clarify the picture. If you cannot correct the reason, and whenever you start the Control-M monitor, the monitor shuts down again for the same reason, then enter Screen 3 of the Online Facility and hold the job order. Prepare the Control-M monitor full output and contact BMC Customer Support.

**CTM256S CONTROL-M SHUTTING DOWN - COMMUNICATION TO "JES" NOT AVAILABLE**

**Explanation:** Highlighted, unrollable message.

The Control-M monitor detected some problem in communication to JES, and shuts down as a precaution. The Control-M monitor is usually one of the first components of the computer environment to detect problems in JES operation. Usually this is because JES was brought down, or is about to get stuck because of an internal JES problem.

The Control-M monitor will shut down.

**Corrective Action:** Correct the JES problem and restart the Control-M monitor.

**CTM258S INSUFFICIENT MEMORY FOR CONTROL-M MONITOR**

**Explanation:** Highlighted, unrollable message.

There is insufficient memory for Control-M monitor to trace a started task.

The started task has just been initiated by the Control-M monitor, and the Control-M monitor requires a small work area in order to try to locate the job ID assigned by JES to the started task. Unfortunately, there is insufficient memory for the required work area.

The Control-M monitor will try again after a few seconds (it is possible that memory will be released by other components of the Control-M monitor). Meanwhile, the started task will remain with a STARTED status and the job ID is “blank.” Under severe circumstances of this event, the Control-M monitor may shut down.

**Corrective Action:** Increase the Control-M monitor region size and start it again. You are working on the limits.

**CTM260S OPEN OF DDNAME ddName FAILED**

**Explanation:** Control-M monitor failed to open a work data set defined by the DD name *ddName*.

This data set must be defined as a temporary or fixed work area for Control-M monitor. The *ddName* DD statement is probably missing.

Control-M monitor will shut down with errors.

**Corrective Action:** Correct the JCL for the Control-M monitor, and start again.

**CTM261S taskTypememNamejobName/ jobld OID=orderId ALLOCATION OF {SYSOUT FILE | ARCHIVE FILE} dsn FAILED: R15 = rc ERR=erc INFO=irc**

**Explanation:** Dynamic allocation to the specified data set failed.
Control-M dynamically allocates the job sysout data sets, and or the archive data set. The allocation failed for the specified reasons. For an explanation of the return codes displayed as part of this message, see the IBM manual MVS Programming: Authorized Assembler Services Guide.

The return codes in this message are:

- \texttt{rc} - the contents of R15 in hexadecimal notation
- \texttt{erc} - the error reason code in hexadecimal notation
- \texttt{irc} - the information reason code in hexadecimal notation

The requested function is stopped. If analysis of job results was in process, the job terminates NOTOK with the REASON UNKNOWN (*UKNW).

**Corrective Action:** Check the relevant IBM publication for the reason.

- For sysout data sets, check if the sysout was purged while the Control-M monitor was trying to read it.
- For archive files, the Control-M monitor allocates archive files with DISP=(NEW,CATLG). Therefore, the same data set name should not be used in different sysout archive instructions, even for the same job.

If your system programmer is unable to resolve the problem, prepare the Control-M monitor full output and contact BMC Customer Support.

**CTM262W num UNSUCCESSFUL ATTEMPTS TO READ JOB DATA BY SUBSYSTEM REQUEST. RETRY CONTINUES**

**Explanation:** This message is issued every \texttt{num} unsuccessful attempts to read job data by subsystem request.

Whenever the Control-M monitor does not succeed in reading job sysout, this message appears on the operator console. For example, when a job is not run due to a JCL error, then the third sysout data set is missing and this message is issued.

Control-M continues to retry reading the job data for a predefined number of times. If the error persists, this job is not read, and the CTMD50S message is issued.

**Corrective Action:** For the appropriate action, see the section on the Control-M Monitor and JES in the Control-M for z/OS Administrator Guide.

**CTM263S OPEN OF SMB FILE DSNAME dsn FAILED. RC=rc**

**Explanation:** Open of the sysout data set of the job by Control-M monitor failed. Control-M cannot read and analyze the sysout of the job.

Possible causes are:

- Someone purged the output of the job while Control-M monitor was trying to read it.
- An internal Control-M monitor error occurred.
- Some general problem with JES caused JES to terminate.

The job finishes with the status FAILED - REASON UNKNOWN.
Corrective Action: If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.

CTM264S POINT TO DSNAME dsn FILE FAILED. FDBK code

Explanation: Control-M reads the output of the job as a VSAM file. For some reason it failed in a VSAM operation. Control-M cannot read and analyze the sysout of the job.

Possible causes are:
- Someone purged the output of the job while Control-M monitor was trying to read it.
- An internal Control-M monitor error occurred.
- Some general problems with JES caused JES to terminate.

The job finishes with the status FAILED - REASON UNKNOWN.

Corrective Action: If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.

CTM265S GET TO DSNAME dsn FILE FAILED. FDBK code

Explanation: Control-M reads the output of the job as a VSAM file. For some reason it failed in a VSAM operation. Control-M cannot read and analyze the sysout of the job.

Possible causes are:
- The output of the job was purged while Control-M monitor was trying to read it.
- An internal Control-M monitor error occurred.
- Some general problem with JES caused JES to terminate.

The job finishes with the status FAILED - REASON UNKNOWN.

Corrective Action: If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.

CTM266S taskType memName jobName /jobId READING JOB DATA BY SUBSYSTEM REQUEST FAILED

Explanation: Control-M monitor could not read all the data sets of the job, and analyze the data.

Possible causes are:
- An internal Control-M monitor error occurred.
- Some general problem with JES caused JES to terminate.
- Someone has purged the output of the job while the Control-M monitor was trying to read it.

The job finishes with status FAILED - REASON UNKNOWN.

Corrective Action: Look for prior messages in the IOA Log. If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.

CTM267S ARCHIVE FUNCTION ABENDED ON abCode

Common abend codes are:

- SB37, SE37 - no more space for the sysout in the file
- S913 - security violation

**Corrective Action:** No action is required.

- For an Sx37 type of abend, consult your INCONTROL administrator for the possibility of changing the default Control-M archive file allocation size in the Control-M installation parameters (CTMPARM).
- For an S913 abend, check with your security administrator.
- For other abends, check IBM publications for the reason.

**CTM268S INVALID INSTALLATION PARAMETERS FOR SYSOUT ARCHIVING**

**Explanation:** Highlighted, unrollable message.

Invalid values were set for the Control-M Installation Parameters (CTMPARM) that control the sysout archiving function.

The archiving function is terminated. Control-M does not perform any sysout archiving, and valuable data may be lost.

**Corrective Action:** Consult your INCONTROL administrator immediately.

For valid values for the sysout archiving parameters, see the section on Control-M operational parameters in the Control-M chapter of the *INCONTROL for z/OS Installation Guide*.

To load new parameters, shut down the Control-M monitor and start it again.

**CTM26AS ABEND code WHILE READING SYSOUTS. JOBORDER joborder HELD**

**Explanation:** Control-M could not read the output of a job from the spool.

Control-M may be unable to read the output of a job because the OUT180 data set in which the data is placed overflows. The reason for this abend is either that the job output is unusually large, or that a spool corruption occurred that caused Control-M to read a very large amount of information, not related to the specific job, into its OUT180 data set.

The Control-M monitor changes the job status to HELD PROBLEMS READING SYSOUT.

**Corrective Action:** If the OUT180 data set is too small for the job output, increase the space value in the OUT180 DD, restart Control-M monitor, and free the job order in the Active Jobs file (AJF).

**CTM271E OPEN OF DDNAME "OUT180" FAILED**

**Explanation:** Highlighted, unrollable message.

Open of Control-M work data set described by the OUT180 DD statement failed.

This may be due to the following:

- The OUT180 DD statement is missing.
- The OUT180 DD statement cannot be opened for sequential processing.

The Control-M monitor shuts down with an error message.
**Corrective Action:** Correct the JCL for the Control-M monitor and start it again.

**CTM 28J** 
OID=orderId ERROR ANALYZING PARM MEMBER "UNITDEF" AT LINE lineNum

**Explanation:** An error was detected in the specified line of UNITDEF.
There is probably a syntax error.
The Automatic Tape Adjustment facility is turned OFF for the job, and processing continues.
**Corrective Action:** To implement automatic tape adjustment, correct the error in the specified line and restart Control-M.

**CTM280I** 
MAILDEST TABLE WAS {LOADED | RELOADED}

**Explanation:** This information message indicates that the MAILDEST table was LOADED during Control-M initialization, or was RELOADED as a result of a NEWMAILDEST command.
The MAILDEST table must be loaded before shout messages can be sent to their specified addresses.
If there are jobs in the Active Jobs File (AJF) when a NEWMAILDEST command is issued, the MAILDEST table is reloaded, this message is issued and shout messages are sent.
If the AJF is empty, when a NEWMAILDEST command is issued, the MAILDEST table is not reloaded. As soon as a job is put into the AJF, MAILDEST is reloaded, this message is issued and shout messages are sent.
**Corrective Action:** No action is required.

**CTM281W** 
MAILDEST TABLE WAS NOT FOUND IN ANY LIBRARY REFERENCED BY DD STATEMENT DAParm. UNABLE TO SEND SHOUT

**Explanation:** The MAILDEST member is not in the IOA PARM library.
The IOAMAIL module reads the MAILDEST member to prepare a full address for each name on the mail list.
This message is produced when a job scheduling definition or rule issues a SHOUT or DO MAIL action to a destination specifying an e-mail address that cannot be resolved due to the absence of a MAILDEST member in the IOA PARM library.
The MAILDEST member is not loaded and SHOUT messages are not sent.
**Corrective Action:** Build a new MAILDEST member in the IOA PARM library and try again.

**CTM282I** text (usr)

**Explanation:** Highlighted, unrollable message.
This information message is activated by the SHOUT facility. The usr user ID is for the job order requesting the SHOUT.
**Corrective Action:** No action is required.
INCONTROL for z/OS Messages Manual

CTM284I DEST TABLE LOAD SUCCESSFUL: NEWDEST=tableName

**Explanation:** This information message indicates that as a result of an operator NEWDEST command, the Control-M monitor successfully loaded the destination table identified in the message.

**Corrective Action:** No action is required.

CTM285E NEWDEST PARAMETER MISSING OR INVALID

**Explanation:** The destination table passed to the Control-M monitor by means of an operator NEWDEST command is invalid or missing.

The specified destination table is not loaded.

**Corrective Action:** Enter the NEWDEST command specifying a destination table which has been previously defined in a library concatenated to the STEPLIB DD statement of the Control-M procedure.

CTM285W DYNAMIC DESTINATION TABLE NOT LOADED

**Explanation:** Loading of the Dynamic Destination Table by the Control-M monitor failed.

It could be due to one of the following:

- There is insufficient memory for loading the table.
- The IOADEST table does not exist in the IOA PARM library.

If the failure happens during the initialization of the Control-M monitor, then SHOUT notifications will not be controlled by the Dynamic Destination Table. If this happens as a result of an `F CONTROLM,NEWDEST` command (operator command instructing the Control-M monitor to load a new Destination Table), the old destination table will remain in effect.

**Corrective Action:** Check the MVS Log for the reason for the failure (probably a system abend code). Correct the problem and then, in order to load the table, issue the operator command `F CONTROLM,NEWDEST`.

CTM286E OPEN DAM2G FILE BY CTWWMG FAILED

**Explanation:** The CTWWMG program is unable to open the DAM2G communication file.

To send SHOUT messages to Control-M/Enterprise Manager, Control-M uses the CTWWMG program to first write those messages and their records to DAM2G.

**Corrective Action:** Ask your INCONTROL administrator to correct the problem.

CTM287E INVALID OPERATION CODE FROM CTWWMG

**Explanation:** The CTWWMG program cannot write SHOUT message records to the DAM2G communication file because an invalid operation code was used to write the record.

To send SHOUT messages to Control-M/Enterprise Manager, Control-M uses the CTWWMG program to first write those messages and their records to DAM2G.

**Corrective Action:** Ask your INCONTROL administrator to correct the problem.
CTM288E ERROR IN PREPARING SHOUT TO MAIL, RC = rc

Explanation: The rc error occurred during preparation to send Shout messages.

Valid values for rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>GETMAIN failure in IOAMAIL.</td>
</tr>
<tr>
<td>02</td>
<td>Error occurred while loading modules in IOAMAIL.</td>
</tr>
<tr>
<td>03</td>
<td>Error occurred in the PRPGRP routine during preparation of group addresses.</td>
</tr>
<tr>
<td>04</td>
<td>Error occurred while reading or writing to the buffers.</td>
</tr>
<tr>
<td>05</td>
<td>Error in DOMAIL routine.</td>
</tr>
<tr>
<td>06</td>
<td>Error in MAILDEST structure.</td>
</tr>
<tr>
<td>07</td>
<td>Error in FREEMAIN.</td>
</tr>
<tr>
<td>08</td>
<td>Error in input parms.</td>
</tr>
<tr>
<td>11</td>
<td>GETMAIN failure in CTMMAL.</td>
</tr>
<tr>
<td>12</td>
<td>Error occurred while loading modules in CTMMAL.</td>
</tr>
<tr>
<td>13</td>
<td>FREEMAIN error in CTMMAL.</td>
</tr>
</tbody>
</table>

Corrective Action: Do one of the following:
- If rc is 03, 04 or 05, correct errors in the MAILDEST table.
- For all other rc values, contact your INCONTROL administrator or system programmer for help.

CTM289E CONTROL-M EXTENDED MCS TRACKING STOPPED. RC=rc

Explanation: Highlighted, unrollable message.

A system error occurred when Control-M monitor attempted an extended MCS console operation. Control-M stops using the extended MCS console.

Corrective Action: Check for a preceding system or IOA message related to this message, and proceed accordingly.
**CTM28HW OID=orderId AUTO TAPE DRIVE RESOURCE ADJUSTMENT IS BYPASSED DUE TO PREVIOUS MESSAGE**

**Explanation:** Resource adjustment for the Automatic Tape Adjustment facility was bypassed for current job end processing.

An error occurred during resource adjustment for the Automatic Tape Adjustment facility. The reason is described in the preceding message.

Job end processing continues without tape drive adjustment.

**Corrective Action:** Check the reason described in the preceding message.

**CTM28KW OID=orderId DAUNITDF DD CARD MISSING**

**Explanation:** There is no valid DD statement that points to UNITDEF.

Either the statement is missing or it contains a syntax error.

The Automatic Tape Adjustment facility is turned OFF for the current job, and processing continues.

**Corrective Action:** To implement automatic tape adjustment, correct the DD statement that points to UNITDEF and restart Control-M.

**CTM28LS OID=orderId GETMAIN FAILED IN CTMATD AUTO TAPE PROCESSING**

**Explanation:** There is not enough memory to perform Automatic Tape adjustment.

The region may be too small.

The Automatic Tape Adjustment facility is turned OFF for the current job, and processing continues.

**Corrective Action:** To implement automatic tape adjustment, increase the size of the region and restart Control-M. If there still is not enough memory, contact your local systems analyst.

**CTM28ME OID=orderId TAPE UNIT unitId IS NOT DEFINED IN "UNITDEF" MEMBER**

**Explanation:** During Automatic Tape Adjustment facility processing, a Tape Unit address was specified in the job log. However, this unit address was not defined in the UNITDEF member.

Resource adjustment for the Automatic Tape Adjustment facility of Control-M was unable to assign Tape Unit address unitId to a defined tape drive type.

The unknown tape drive is ignored for the job and processing continues.

**Corrective Action:** Check the UNITDEF member of the Control-M PARM library. Verify that the unit address is properly defined.

**CTM28TE CNDJNL FILE SIZE DOES NOT MATCH CND FILE SIZE -- JOURNALING DISABLED**

**Explanation:** The size of the IOA Conditions base image file differs from the size of the production Conditions file.
The IOA Conditions base image file CNDJNL is created after New Day processing and is used by the CTMRSTR restore utility. The size of this file must be identical to that of the production Conditions file.
The Control-M monitor deallocates the file and waits for instructions as described in message CTML12W.

Corrective Action: Reply C, I, or E to message CTML12W.

CTM28UE RESJNL FILE SIZE DOES NOT MATCH RES FILE SIZE -- JOURNALING DISABLED
The Control-M Resource file RESJNL is created after New Day processing and is used by the CTMRSTR restore utility. The size of this file must be identical to that of the production Resource file.
The Control-M monitor deallocates the file and waits for instructions as described in message CTML12W.
Corrective Action: Reply C, I, or E to message CTML12W.

CTM28VE FILE fileName DEALLOCATED. RESIZE FILE AND USE JOURNAL=ENABLE COMMAND TO REALLOCATE
Explanation: This message accompanies message CTM921E, CTM287E, or CTM288E and indicates that the problematic base image file has been deallocated.
Corrective Action: Define a file of correct size matching the corresponding production file and use the ENABLE command to allocate the new file to the Control-M monitor.

CTM290S MEMBER memName NOT FOUND
Explanation: The designated HELP member does not exist in the partitioned data set allocated to the CTMHELP DD statement. The CTMHELP DD statement should be allocated to the IOA MSG library.
Corrective Action: The designated member was on the original library. Restore it.

CTM291S INTERNAL ERROR - INVALID RETURN CODE rc IN HELP FACILITY
Explanation: Internal error in the IOA Online Help Facility.
Corrective Action: Contact BMC Customer Support.

CTM292E HELP MEMBER memName IS EMPTY
Explanation: The designated HELP member does not contain any data.
Corrective Action: Check whether the IOAHELP DD statement is allocated to the IOA MSG library. The original supplied member was not empty.

CTM293S INSUFFICIENT STORAGE FOR HELP MEMBER memName
Explanation: Not enough storage to enter the Online Help Facility for the memName member.
Corrective Action: Try to exit a few unnecessary screens using the END command. If it does not help, increase the region size of your logon procedure.

CTM294I UTILITY CTMBLT STARTED
Explanation: This information message indicates that the CTMBLT utility, which is used to create Control-M scheduling tables, has started.
Corrective Action: No action is required.

CTM295I BUILDING JOB CALENDARS STARTED
Explanation: This information message indicates that the CTMRCAL utility started to create the calendars. Calendars will be built for each job in the table, according to its date scheduling criteria.
Corrective Action: No action is required.

CTM296I BUILDING JOB CALENDARS ENDED OK
Explanation: This information message indicates that the CTMRCAL utility finished creating the calendars.
Corrective Action: No action is required.

CTM297E INVALID RETYPE PARAMETER VALUE - ‘S’ SUBPARAMETER REQUIRED
Explanation: The CTMRCAL utility ran with an invalid value for the RETYPE parameter. Valid values for the RETYPE parameter in the CTMRCAL utility are 0S, 1S, or 2S.
The utility terminates with a return code of 16.
Corrective Action: Correct the value of the RETYPE parameter, and rerun the CTMRCAL utility.

CTM298W THE IOAXREF DATABASE DOES NOT CONTAIN THE ITEM
Explanation: Information was requested from the IOAXREF database by pressing PF01/PF13, but no information is available, because the data collection process did not collect any information about this item.
Corrective Action: No action is required.

Messages CTM300 through CTM3xx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTM312I CALENDAR calName HAS BEEN BUILT AND SAVED
Explanation: This information message indicates that the IOABLCAL utility has successfully built the calendar.
Corrective Action: No action is required.
CTM313S BUILDING A CALENDAR ENDED WITH ERRORS
Explanation: An error during the execution of the IOABLCAL utility.
Corrective Action: A previous message should describe the error.

CTM314I ADDING SMF ID smfid WAS SUCCESSFUL
Explanation: This information message indicates that a new SMF ID was added successfully to subsystem file M2S on the CMEM monitor by the FORMSUB3 job.
Corrective Action: To make the definition active, stop and restart the Control-M monitor and the Control-O or CMEM monitor on the system with the SMF ID.

CTM315I {BUILDING | UPDATING} OF SUBSYSTEM COMMUNICATION DATASETS STARTED
Explanation: This information message indicates that the FORMSUB1 and FORMSUB2 utilities, which allocate and format Console Subsystem communications files, have started.
Corrective Action: No action is required.

CTM316I {BUILDING | UPDATING} OF SUBSYSTEM COMMUNICATION DATASETS ENDED
Explanation: This information message indicates that the FORMSUB1 and FORMSUB2 utilities, which allocate and format Console Subsystem communications files, have ended normally.
Corrective Action: No action is required.

CTM317S {BUILDING | UPDATING} OF SUBSYSTEM COMMUNICATION DATASETS FAILED
Explanation: The FORMSUB1 or the FORMSUB2 utility failed.
Corrective Action: Look for a previous error message which describes the cause of the error.

CTM318S OPEN OF DDNAME ddName FAILED
Explanation: Open of the ddName DD statement failed. Possible causes are:
- The ddName DD statement is missing.
- The ddName DD statement does not define a valid communication file.
Corrective Action: Correct the JCL of the formatting job.

CTM319S I/O ERROR OCCURRED WHILE BUILDING THE SUBSYSTEM COMMUNICATION DATASETS
Explanation: An I/O error occurred while the FORMSUB1 or FORMSUB2 utility was formatting a subsystem communication file.
Possible causes are:
The utility loaded old and incorrect IOACPRM installation parameters.

The file size defined in the IOACPRM member is different from the size that was defined in the JCL.

The JCL references an invalid data set.

**Corrective Action:** Check the JCL of the formatting job, and the location and content of the IOACPRM module.

**CTM325S SMFID smfid IS NOT DEFINED IN IOA INSTALLATION PARAMETERS**

**Explanation:** The FORMSUB1 or FORMSUB2 utility is running under a CPU that was not defined in the IOACPRM parameters member.

Possible causes are:

- The CPU in which the utility was run was not defined in IOACPRM.
- The utility loaded an incorrect copy of the IOACPRM member.
- The computer in which the utility was run is a multi-CPU computer, and the SID parameter in the SMFPRM_XX member in SYS1.PARMLIB does not define all of the CPUs correctly.

**Corrective Action:** Do the following:

1. Check what CPUs were defined in IOACPRM.
2. Check where the IOACPRM member was placed.
3. If the IOACPRM definition seems to be correct, check the SMF ID that was defined in SYS1.PARMLIB.
4. In a multi-CPU computer, issue the MVS command `D M=CPU` from the console to get a listing of all CPU serial numbers, and compare them with the PARMLIB definitions.

**CTM326E MISSING/INVALID SUBSYSTEM PARAMETERS IN IOACPRM**

**Explanation:** The FORMSUB1 or FORMSUB2 utility encountered one or more subsystem-related parameters in the IOACPRM member that were defined incorrectly or were not defined at all.

**Corrective Action:** Check the following parameter definitions in the IOACPRM member, and correct them if needed:

- SUBSYS
- CTM2SBS
- CPUS.

**CTM334E READING DATEMEM (CALENDAR) calName FAILED**

**Explanation:** Reading of the specified calendar failed.

The job order or mission is not scheduled.

**Corrective Action:** Look for prior messages in the IOA Log that explain why the calendar could not be read.
If the error occurred during the New Day procedure or a User daily, correct date-3 (or date-5), positions 25-30 (or positions 50-55) in the Date Control Record (DD statement DACHK), to the values of date-2 (or date-4).

For a rerun of the same Daily, correct all the dates to the value of the day before. Beware of ordering the same job or mission twice during a rerun on the same day. We suggest that you delete the ordered jobs or missions from the Active Jobs file and then rerun the Daily again.

If the previous abend happened after many jobs or missions had been ordered, BMC recommends a manual request (the CLIST CTMJOB for jobs; the CLIST CTDMISRQ for missions).

**CTM337I text**

**Explanation:** This information message indicates that at KeyStroke Language Report termination, the variable %MSG contained the `text`

It is usually a message which is intentionally issued as part of the report definition.

**Corrective Action:** No action is required.

**CTM341S AUTOMATION LOG FILE LEVEL INCONSISTENT WITH LEVEL OF CONTROL-O**

**Explanation:** The Automation Log file is not compatible with this release of Control-O. While opening an Automation Log file, the CTODVL program checks the file validity and usability. A mismatch was found between the release number of the Automation Log file and the release number of the program accessing it.

The action fails. The Automation Log file is not accessed.

**Corrective Action:** Do either or both of the following:

- Check if the libraries specified in the STEPLIB and LINKLIST concatenation contain modules from different releases.
- Check the Automation Log file data set name. If you are using an older release of the program or an old file, correct the error.

**CTM342S ERROR OPENING AUTOMATION LOG FILE**

**Explanation:** The CTODVL program was unable to open the Automation Log file.

The action fails. The Automation Log file is not accessed.

**Corrective Action:** Do any or all of the following

- Check the definitions in the CTOPARM member.
- Check the JCL for errors.
- Check the data set name for the Automation Log file.

**CTM343S AUTOMATION LOG DYNAMIC ALLOCATION ERROR rc /rsn /dsn**

**Explanation:** The CTODVL program was unable to dynamically allocate the Automation Log file.

The action fails. The Automation Log file is not accessed.
Corrective Action: Do any or all of the following:

- See documentation on dynamic allocation in the *IBM Authorized Guide to Assembler Services* for explanations of the return code ($rc$) and the reason code ($rsn$), and proceed accordingly.
- Check the CTOPARM member.
- Ensure that an Automation Log file exists for this CPU.

CTM344S AUTOMATION WRITE ERROR

Explanation: An I/O error occurred. The CTODVL program did not succeed in performing an I/O operation on the Automation Log file.

The action fails. The Automation Log file is not accessed.

Corrective Action: If you cannot determine the reason for this I/O error (for example, a disk failure), contact BMC Customer Support.

CTM345S ERROR EXECUTING RDJ FCB

Explanation: The CTODVL program received a non-zero return code from the RDJ FCB system service. The CTODVL program failed to read the JFCB of the dynamically allocated Automation Log file.

The action fails. The Automation Log file is not accessed.

Corrective Action: Contact BMC Customer Support.

CTM346S ABEND abCode INTERCEPTED WHILE PROCESSING THE AUTOMATION LOG

Explanation: The CTODVL program intercepted an abend while processing the Automation Log.

The action fails. The Automation Log file is not accessed.

Corrective Action: Contact BMC Customer Support.

CTM347S THE ALLOCATED AUTOMATION LOG FILE BELONGS TO ANOTHER CONTROL-O INSTALLATION

Explanation: The specified Automation Log file refers to another Control-O. While opening an Automation Log file, the CTODVL program checks the validity and usability of the file being opened. A mismatch was found between the current value specified for the CTOQNAME parameter in the CTOPARM member and the value of that parameter when the Automation Log file was formatted.

The action fails. The Automation Log file is not accessed.

Corrective Action: Do either or both of the following:

- Ensure that you are not using load libraries that belong to another installation of Control-O.
- Check if the CTOPARM member has changed.

CTM348S FILE NOT AN AUTOMATION LOG FILE

Explanation: The specified file is not a Control-O Automation Log file. While opening an Automation Log file, CTODVL checks the validity and usability of the file. The specified file was not an Automation Log file.
The action fails. The Automation Log file is not accessed.

**Corrective Action:** Check if the formatting of the Automation Log file ended successfully. If it failed, redefine (reformat) the Automation Log.

**CTM349S AUTOMATION LOG FILE IS BEING FORMATTED IT CANNOT BE ACCESSED**

**Explanation:** The specified Automation Log file is currently being formatted. While opening the Automation Log file, the CTODVL program checks the validity and usability of the file. The specified file has a status incompatible with the requirements of the program.

The action fails. The Automation Log is not accessed.

**Corrective Action:** Check if the formatting of the Automation Log file ended successfully. If it failed, redefine (reformat) the Automation Log.

**CTM390S OPEN OF DDNAME ddName FAILED.**

**Explanation:** Open of the `ddName` DD name failed. Possible causes are:

- The `ddName` DD statement is missing.
- The data set described by the `ddName` DD statement does not exist.

Execution stops.

**Corrective Action:** Correct the JCL of the job and rerun.

**CTM391S INVALID COMBINATION OF PARAMETERS ENCOUNTERED**

**Explanation:** An invalid combination of parameters was specified for the CTMBLT Control-M utility.

**Corrective Action:** Correct the parameters and rerun the job. For information about valid parameter combinations, see the *INCONTROL for z/OS Utilities Guide*.

**CTM391I NIGHT SCHEDULE REPORT STARTED**

**Explanation:** This is one of two messages with the same ID, but different text.

This information message is the regular start message of the Night Schedule Report.

**Corrective Action:** No action is required.

**CTM391I OVERNIGHT EXECUTION REPORT STARTED**

**Explanation:** This is one of two messages with the same ID, but different text.

This information message indicates that processing of the Overnight Execution Report has begun.

**Corrective Action:** No action is required.

**CTM392S OPEN OF DDNAME ddName FAILED**

**Explanation:** The opening of the data set referenced by the `ddName` DD statement failed.

Possible causes are:
- the DD statement referring to the data set referenced by the *ddName* DD statement is missing.
- The data set referenced by the *ddName* DD statement does not exist.

**Corrective Action:** Correct the JCL and rerun.

**CTM393I** NIGHT SCHEDULE REPORT ENDED

**Explanation:** This is one of two messages with the same ID, but different text.
This information message is the regular termination message of the Night Schedule Report.

**Corrective Action:** No action is required.

**CTM393I** OVERNIGHT EXECUTION REPORT ENDED

**Explanation:** This is one of two messages with the same ID, but different text.
This information message indicates that processing of the Overnight Execution Report has ended.

**Corrective Action:** No action is required.

**CTM393S** RULE-BASED CALENDAR *rbc_calendar_name* NOT FOUND

**Explanation:** A job or table schedule definition contains a reference to an RBC that does not exist in the RBC library.

**Corrective Action:** Either define the RBC or reference the correct RBC from the job or the table.

**CTM394S** INVALID PARAMETER - *parm*

**Explanation:** An invalid parameter was specified to the report or utility.
If this message was issued during execution of the CTMBLT utility, it is followed by message BLT895I and/or BLT896I, which identify the problematic job, keyword, and value. This message may be issued by other utilities as well.
The report or utility stops executing with a condition code of 08 or 12.

**Corrective Action:** For the syntax of the parameter for the report or utility, see either the *INCONTROL for z/OS Administrator Guide* or the *INCONTROL for z/OS Utilities Guide*, as appropriate.

**CTM395S** INVALID PARAMETER FORMAT. "yyymmddhhmm" EXPECTED

**Explanation:** The parameter that specifies the date and time does not use the right format.
The report stops executing with a condition code of 08 or 12.

**Corrective Action:** For the correct syntax of the report parameters, see the appropriate user guide.

**CTM396S** MULTIPLE USE OF PARAMETER. ONLY ONE OCCURRENCE IS ALLOWED

**Explanation:** A parameter that should be specified only once was specified multiple times.

**Corrective Action:** Delete the additional occurrences and rerun the job. For more information, see the chapter on job production parameters in the *Control-M for z/OS User Guide*.  

662
CTM397S REPORT START TIME IS GREATER THAN REPORT END TIME

**Explanation:** The date and time specified as the report start time are greater than the date and time specified as the report end time.
The report will stop executing with a condition code of 08 or 12.
**Corrective Action:** Correct the parameters and rerun the report.

CTM398S MISSING OBLIGATORY REPORT/UTILITY PARAMETERS

**Explanation:** Parameters that are required for this report or utility are missing.
The report or utility stops executing with a condition code of 08 or 12.
**Corrective Action:** For the syntax of the report or utility parameters, see the appropriate user guide, the *INCONTROL for z/OS Administrator Guide* or the *INCONTROL for z/OS Utilities Guide*.

CTM399S REDUNDANT SORTBY PARAMETERS

**Explanation:** Too many sort parameters specified in a report command.
The report stops executing with a condition code of 08 or 12.
**Corrective Action:** For the correct syntax of the report parameters, see the appropriate user guide.

Messages CTM400 through CTM4xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTM400S INVALID RETURN CODE FROM SORT = rc. CHECK THE SORT MANUAL

**Explanation:** A sort program that has been activated internally by a report ended with an unexpected return code (*rc*).
The report stops executing with a condition code of 08 or 12.
**Corrective Action:** To clarify the reason, see the documentation for the sort program and to the sort messages of the job.

CTM401I A KEYSTROKE REPORT STARTED

**Explanation:** This information message is a normal start message of a KeyStroke Language Report.
**Corrective Action:** No action is required.

CTM402I KEYSTROKE REPORT ENDED SUCCESSFULLY

**Explanation:** This information message indicates that a KeyStroke Language Report ended successfully.
The report ended successfully from the point of view of report syntax and execution. A user may set the condition code to any condition code and send a message indicating otherwise. It is recommended to check the condition code as well (using the Control-M or Control-D facilities).
Corrective Action: No action is required.

CTM409E A KEYSTROKE REPORT ENDED WITH ERROR(S)
Explanation: A syntax or execution error occurred during processing of a report. The KeyStroke Language Report will terminate with a condition code of 08 or 12.
Corrective Action: Look for the error in the report listing (the DAKSLOUT DD statement).

CTM411S OPEN OF DDNAME "DAPROG" FAILED
Explanation: This message is issued by the New Day procedure. The data set described by the DAPROG DD statement contains a list of programs to be activated by the New Day procedure. Possible causes are:
1. The DAPROG DD statement is missing.
2. The data set described by the DAPROG DD statement cannot be opened for sequential read.
For more details, see the chapter that discusses implementation issues in the appropriate user guide. The New Day procedure stops executing.
Corrective Action: Correct the JCL for the job and rerun it.

CTM413E PROGRAM pgm WAS NOT FOUND
Explanation: The pgm program was not in the load list of the Daily subsystem. The DAPROG DD statement describes a data set that contains a list of programs to be activated as part of the Daily subsystem.
The Daily subsystem terminates with errors.
Corrective Action: Check whether I OA Load library is concatenated as STEPLIB to the Daily subsystem. Correct the JCL and consult your system programmer about running the Daily subsystem again.

CTM414E INVALID CONDITION CODE FOR PROGRAM pgm
Explanation: The pgm Control-M or Control-D internal program, which was activated by New Day processing, finished with return code higher than the maximum allowed in the program list. Positions 10 through 11 in the program list indicate the highest return code that is still considered OK for this program.
Corrective Action: No action is required.

CTM415I PROGRAM pgm IS BEING INVOKED
Explanation: This information message indicates that an internal Control-M or Control-D program was activated by New Day processing.
Corrective Action: No action is required.

CTM416I {CTMILY | CTDILY} ENDED
Explanation: This information message indicates that New Day processing is finished.
Corrective Action: No action is required.
CTM417E UNRECOGNIZED PARAMETER ON EXEC STATEMENT: expression

**Explanation:** The CTMTDAY procedure was executed with an unsupported or invalid NEWDAY parameter value expression. (For more information on the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”)

The CTMTDAY procedure is not executed.

**Corrective Action:** Correct and re-execute the CTMTDAY procedure.

CTM418E UNRECOGNIZED PARAMETER ON EXEC STATEMENT: expression

**Explanation:** The CTMTDAY procedure was executed with the following NEWDAY parameter: date. However, the date format or contents are invalid. For more information regarding the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”

The CTMTDAY procedure is not executed.

**Corrective Action:** Correct and re-execute the CTMTDAY procedure.

CTM419I PROCESSING MODE IS mode

**Explanation:** The CTMTDAY procedure was executed with one of the following NEWDAY mode parameters:

1. ORDERONLY[,] date
2. FORMATONLY

Special NEWDAY processing will be performed according to the mode (FORMATONLY or ORDERONLY) specified in the procedure. For more information regarding the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”

**Corrective Action:** No response is required.

CTM41AW DATE IGNORED IN ‘FORMATONLY’ REQUEST: xxxxxxx

**Explanation:** The CTMTDAY procedure is executed with the following NEWDAY parameter:

FORMATONLY, xxxxxxx

where the operator probably intended xxxxxxx as a date value. (A date is not valid with the FORMATONLY mode.)

Special NEWDAY processing is performed according to the FORMATONLY mode, ignoring xxxxxxx. (For more information regarding the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”)

**Corrective Action:** No response is required.

CTM422S OPEN OF USER DATE CONTROL-RECORD FAILED - DDNAME "DACHK"

**Explanation:** Open of the file containing the User Date Control Record failed (the DACHK DD statement). This message is issued by the CTMCHK, CTDCHK, or CTBCHK program, which is usually activated by the New Day procedure.
Possible causes are:

1. The DACHK DD statement is missing.
2. The data set (member) described by the DACHK DD statement does not exist.

The CTMCHK, CTDCHK, or CTBCHK program ends with errors.

**Corrective Action:** Correct the JCL for the job or CLIST.

**CTM424S INVALID ORIGINAL SCHEDULING DATE IN USER DATE CONTROL-RECORD (POSITIONS 1-6)**

**Explanation:** Invalid original scheduling date in User Date Control Record (positions 1 through 6). This date should be earlier than the current installation working date. The valid format is ddmmyy or mmdyy.

Valid formats are:

1. ddmmyy
2. mmdyy

Possible causes are:

3. The previous run of the CTDCHK or CTMCHK program did not finish OK.
4. Someone has incorrectly modified the contents of the User Date Control Record (DD statement DACHK).

For more information, see the *INCONTROL for z/OS Administrator Guide.*

The New Day procedure ends with errors.

**Corrective Action:** Correct your Date Control Record (DD statement DACHK).

**CTM425S INVALID POST DATE IN USER DATE CONTROL-RECORD POSITIONS 67-72**

**Explanation:** The contents of the Date Control Record for this Daily are invalid.

Valid formats are:

1. ddmmyy
2. mmdyy

This message usually indicates that the User Date Control Record was incorrectly modified. The date should be earlier than or equal to the original scheduling date defined in positions 1 through 6.

The New Day procedure ends with errors.

**Corrective Action:** Correct the Date Control Record (the DACHK DD statement).

**CTM426W {GENERAL /dailytype} "DAILY" DID NOT RUN FOR nnn DAYS**

**Explanation:** Highlighted, unrollable message.

The difference between the current working date and the original scheduling date (positions 1 through 6 in the Date Control Record) is more than one day. The New Day procedure has not run for nnn days. A New Day procedure is expected to run once a day.
This message is usually generated due to one of the following:

1. The computer has not been working for at least one day.
2. The Control-M or Control-D monitor has not been working for over 24 hours.
3. The contents of the Date Control Record were incorrectly modified for this Daily.
4. In the case of the New Day procedure, the computer may have been IPLed with the wrong date.
5. In the case of a User Daily, the Daily has not run for a few days.

The value of `dailytype` can be:

6. GENERAL for the New Day procedure
7. the job name of a regular User Daily job

The system action is determined by the process or procedure:

8. For the New Day procedure, this message appears highlighted on the operator console, together with messages CTM427W or CTD427W and CTM428W or CTD428W. If the operator answers YES, processing continues, taking the RETRO parameter of each job into consideration. If the operator answers NO, the New Day procedure stops executing with an error message.

9. For User Daily jobs, processing continues. Missions are selected according to the RETRO parameter.

**Corrective Action:** If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

**CTM427W IS IT TRUE? (ANSWER "YES" OR "NO")**

**Explanation:** Highlighted, unrollable message.

The last run of the New Day procedure was more than 24 hours ago. This message appears together with the CHK426W, CTM426W, or CTD426W and CHK428W, CTM428W, or CTD428W messages. For more details, see the CHK426W message.

The General New Day procedure waits for the operator response.

**Corrective Action:** If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.

**CTM428W YOUR ANSWER IS:**

**Explanation:** Highlighted, unrollable message.

The last run of the New Day procedure was more than 24 hours ago. This message appears together with the CHK426W, CTM426W, or CTD426W and CHK427W, CTM427W, or CTD427W messages. For details, see the CHK426W message.

The New Day procedure waits for the operator response.

**Corrective Action:** If the computer was IPLed with the wrong date, answer NO, correct the problem, and then activate the New Day procedure manually. Control-M or Control-D will not work until the problem is resolved.
CTM429S {CTMCHK | CTDCHK | CTBCHK} ENDED WITH ERRORS

**Explanation:** The CTMCHK, CTDCHK, or CTBCHK program ended with errors. It is activated as part of the New Day procedure. IOA Log should contain an earlier message about the error.

The New Day procedure finishes executing with a condition code of 08.

**Corrective Action:** Check the IOA Log for error messages. If necessary, manually correct the Date Control Record (date-3 and date-5) to allow the next run of the User Daily job. For details, see the *INCONTROL for z/OS Administrator Guide*.

CTM430E POSSIBLE ABEND OF PREVIOUS DAILY RUN!

**Explanation:** A previous run of the same New Day procedure probably abended.

The New Day procedure terminates with errors.

**Corrective Action:** Correct the Date Control Record and rerun the New Day procedure. As a result of the last abend, dates 2, 3 and dates 4, 5, in the Date Control Record are not identical, but they should be. If you correct them to the values of date 3 or date 6, a rerun of the New Day procedure schedules all the jobs in the New Day procedure for the days after dates 2-5 until the date designated in date 1 (the current original scheduling date). Do not schedule the same job twice.

For more information, see the *Control-D and Control-V User Guide*.

CTM431I {CTMCHK | CTDCHK | CTBCHK} STARTED

**Explanation:** This information message indicates that the CTMCHK, CTDCHK, or CTBCHK program, which is activated by the New Day procedure, started executing.

**Corrective Action:** No action is required.

CTM432I {CTMCHK | CTDCHK | CTBCHK} ENDED

**Explanation:** This information message indicates that the CTMCHK, CTDCHK, or CTBCHK program, which is activated by the New Day procedure, ended normally.

**Corrective Action:** No action is required.

CTM433S DIFFERENCE BETWEEN CURRENT AND LAST RUN OF THIS DAILY IS NEGATIVE BY num DAYS

**Explanation:** The current working date in the computer is before the last original scheduling date of this New Day procedure.

This message is issued by the New Day procedure as a result of incorrect dates in the Date Control Record. For more details, see the *Control-M for z/OS User Guide* or the *Control-D and Control-V User Guide*.

The New Day procedure stops executing with an error message.

**Corrective Action:** Correct the contents of the Date Control Record, and rerun the Daily. If this problem occurs under the New Day procedure, call your system programmer. The problem should be resolved immediately as the Control-M or Control-D monitor will not be able to operate. Check whether the computer has been IPLed with the correct date.
CTM434W THIS DAILY HAS ALREADY BEEN RUN TODAY

**Explanation:** The same New Day procedure has already been run today. The current working date in the computer is equal to the last original scheduling date - positions 1 through 6 in the Date Control Record (the DACHK DD statement).

For details, see the *Control-M for z/OS User Guide* or the *Control-D and Control-V User Guide.*

Processing terminates with a return code of 8.

**Corrective Action:** Check the result of the run carefully for possible errors. If the Control-M or Control-D monitor is up and running, there is no need to run the New Day procedure, because it was probably started by accident. In any case, have your INCONTROL administrator look at the problem. It is possible that the computer was IPLed with the wrong date.

CTM435S OPERATOR RESPONDED "NO"

**Explanation:** The operator answered NO to the CHK428W, CTM428W, or CTD428W message.

The New Day procedure stops executing.

**Corrective Action:** Correct the problem, which is usually date-related, and rerun the New Day procedure.

CTM436S USER DATE CONTROL-RECORD IS EMPTY

**Explanation:** The data set described by the DACHK DD statement is empty (the New Day procedure).

The New Day procedure terminates with errors.

**Corrective Action:** Correct the JCL for the job and rerun it.

CTM437E INVALID DATE date SPECIFIED FOR action

**Explanation:** While processing a CMEM or Control-O request for the FORCEJOB, ADDCOND, or DELCOND action, the Control-M monitor encountered an invalid date.

Either the date was not a valid date, or it was not in the format specified by the DATETYP parameter in IOAPARM.

This message is followed by the WKJA59E or WKJC39E message, which identifies the failed action.

No additional action will be taken for the failed job or table order.

**Corrective Action:** Make sure that the date format corresponds to the DATETYP parameter in IOAPARM.

CTM437I date control record content

**Explanation:** This informational message is generated when Newday processing is initiated. In place of **date control record content**, it displays the contents of the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK in the Newday procedure. For explanations of the dates displayed, see the *INCONTROL for z/OS Administrator Guide,* “CTM,” “Date Control Records and Enhanced Daily Checkpointing.”

**Corrective Action:** No response required.
INCONTROL for z/OS Messages Manual

CTM438E INTERNAL ERROR ON THE COMMUNICATION FILE. A SNAP IS PRODUCED

Explanation: Control-M has detected mismatches in the communications file while processing SHOUT to Log records from Control-O.

The affected records are not written to the IOA Log. A snap dump is written to the DADUMP DD statement.

Corrective Action: There are two possible causes for this problem. The user response varies according to the cause of the problem.

<table>
<thead>
<tr>
<th>Problem Cause</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>The number of subsystem-to-monitor file (S2M) records is not the same in the CTMPARM member and in the FORMSUB2 job, the file allocation and format job.</td>
<td>Compare the CTMCPU statements in CTMPARM with the FORMSUB2 job that was run for each system. If the problem persists, save the snap (dump), prepare the Control-M monitor full output, and contact BMC Customer Support.</td>
</tr>
<tr>
<td>The value of the SMODE parameter in CMMPARM or CTOPARM is not F.</td>
<td>Ensure that the SMODE parameter in CMMPARM or CTOPARM is set to F.</td>
</tr>
</tbody>
</table>

CTM438W REPLY 'U' TO UPDATE DATEREC TO CURRENT DAY EXECUTION OR 'E' TO END

Explanation: Highlighted, unrollable message.

An error condition is detected while processing the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK in the Newday procedure. This message is usually preceded by another error message detailing the error encountered. Some reasons that this message might be issued are:

1. Invalid date date1 (see message CHK424S).
2. Invalid dates date2- date7 (see message CHK43BE).
3. The difference between the current working date and the date on which Newday was last run (date7) is negative (see message CHK433S).
4. The current working date is equal to date1 (Newday was already run--see message CHK434W).
5. The DATEREC member is empty (see message CHK436S).
6. An attempt was made to run the New Day procedure twice in the same day (see message FRM454E).
7. date7 is later than date1 (see message FRM455S).
8. date7 is more than 28 days in the past (see message FRS476S or JOB50S).

The Newday procedure waits for the operator response.
Corrective Action: Review the preceding error messages to determine the actions necessary to correct the problem. If the problem can be corrected by setting the dates in the DATEREC record to the current working date, enter U. After Control-M automatically updates the DATEREC record, Newday processing resumes.

Otherwise, enter E and then correct the problem manually. For example, if the computer was IPLed with the wrong date, enter E, correct the computer date, and then reactivate the New Day procedure manually.

**CTM439E MISSING JOB** jobName** IN TABLE** tableName** IN ** lib

**Explanation:** The jobName job was not found in the tableName table.

A FORCEJOB request for the jobName job in the tableName table failed.

This message is followed by the WKJ A59E message, which contains more details about the error.

No additional action will be taken for the failed job order.

Corrective Action: Check that the job exists in the indicated scheduling table. For further actions, see the WKJ A59E message.

**CTM439W REPLY 'C' TO CONTINUE, 'U' TO UPDATE DATEREC TO CURRENT DAY EXECUTION, OR 'E' TO END

Explanation:** Highlighted, unrollable message.

Following initiation of the Newday procedure, Control-M issued message CHK426W (warning that more than a day has passed since the previous run of Newday).

The Newday procedure waits for operator response.

Corrective Action: Examine the explanation of message CHK426W to help determine the situation and then respond according to one of the following situations:

- If the computer has not been working for a few days (for example, a hardware failure or holiday), enter one of the following:
  - C — All conditions in the IOA conditions file whose date corresponds to the intermittent days will be DELETED! Newday processing proceeds, using the existing dates in the Date Control Record (DATEREC). If RETRO is enabled in the scheduling definition, jobs for all intermittent days will also be ordered.
  - U — Control-M automatically updates the Date Control Record (DATEREC) to the current system date and the Newday processing resumes. (Only jobs scheduled for the current working day will be ordered.)
If the computer was IPLed with the wrong date, enter E to end the Newday processing. Check and correct the date on the computer, and then restart the Newday procedure manually.

If the date on the computer is correct and was working the previous day, contact the INCONTROL administrator to check the cause of the problem.

If the Control-M monitor has been down for more than 28 days, the previous working date (the current working date minus 1) must be manually specified as date values 1 through 6.

CTM43AI NEWDAY EXECUTION CONTINUING WITH ODATE odate

Explanation: This informational message is generated when the response to message CTM438W or CTM439W was U. It informs the user that Newday processing continues, using odate as the current working date.

The Newday procedure resumes.

Corrective Action: No response needed.

CTM43BE DATE CONTROL RECORD CONTAINS AN INVALID DATE AT POSITION col

Explanation: During Newday initiation, an invalid date was detected in the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK. The date in error is in column col of the record. (For explanations of the dates displayed, see the INCONTROL for z/OS Administrator Guide, “CTM,” “Date Control Records and Enhanced Daily Checkpointing.”)

Message CHK438 is generated.

Corrective Action: Respond to message CHK438.

CTM43CI CONTENTS OF DATE CONTROL RECORD:

Explanation: This message serves as a header for message CTM437I, which follows.

Corrective Action: No response needed.

CTM43DW REQUESTED ODATE IS odate

Explanation: Highlighted, unrollable message.

This message is issued in response to any of the following operator commands:

1. F CONTROL,M,NEWDAY=hhmm [ ,date ]
2. F CONTROL,M,NEWDAY=hhmm,ORDERONLY [ ,date]
3. F CTMTROL,M,NEWDAY=hhmm,RERUN
4. S CTMTDAY,NEWDAY=date
5. S CTMTDAY,NEWDAY='ORDERONLY, date ' 

For more information, see the INCONTROL for z/OS Administrator Guide, “CTM,” “Special Newday Parameters.”

Message CTM43GW is issued.
**Corrective Action:** Respond to message CTM43GW as instructed.

**CTM43EW JOB jobName (O ID=orderId) HUNG IN SUBMISSION**

**Explanation:** The jobName job is used to trigger a Control-O or CMEM ON JOBARRIV rule that contains a DO FORCEJOB command. However, the jobName job has been hung in submission status for several seconds.

Control-M does not order and submit the job identified in the DO FORCEJOB command.

**Corrective Action:** Consider manually forcing the job identified in the DO FORCEJOB command.

**CTM43FI TRIGGER JOB jobName (jobd) NOT FORCED**

**Explanation:** The jobName job is used to trigger a Control-O or CMEM ON JOBARRIV rule that contains a DO FORCEJOB command. However, the jobName job is one of the following:

1. a cyclic job found on the Active Jobs file
2. in Hung in Submission status
3. currently being handled by one of the local sysplex monitors

Control-M does not order and submit the job identified in the DO FORCEJOB command.

**Corrective Action:** Do the following:

4. Check to see if JES is hung. If it is, find out why, and address that problem.
5. Consider how to act in relation to
6. the jobName job, that is, the job that is hung
7. the job identified in the DO FORCEJOB command

**CTM43GW REPLY 'C' TO CONTINUE OR 'E' TO END**

**Explanation:** Highlighted, unrollable message.

Upon entry of the F CONTROLM,NEWDAY=hhmm,date command, message CTM43DW displayed the ODATE entered. The current message asks the operator to either confirm that the Newday procedure continue with the specified ODATE or not continue.

The Newday procedure waits for operator response.

**Corrective Action:** One of the following responses:

1. C --confirm Newday execution using the ODATE displayed by message CTM43DW. (Dates in the first record of the DATEREC member in the CTM PARM library pointed to by ddname DACHK are not modified.)
2. E --cause the NEWDAY command to be ignored.

**CTM440I CONTROL-M MONITOR IS READY TO RECEIVE CMEM REQUESTS**

**Explanation:** This information message indicates that the CMEM facility in the Control-M monitor was successfully initialized and the Control-M monitor is ready to accept requests from Control-O or from CMEM subsystem functions.
Corrective Action: No action is required.

CTM441E CONTROL-M MONITOR CMEM FACILITY IS DEACTIVATED AS A RESULT OF A FAILURE

Explanation: Highlighted, unrollable message.
A severe error has occurred while processing requests from one of the following:
1. Control-O
2. CMEM subsystem functions
3. Control-M DO FORCEJOB

Information about the error that caused the deactivation of the On Spool Jobs Facility was previously displayed on the operator console.

Control-M monitor stops processing requests from:
4. Control-O
5. CMEM subsystem functions
6. Control-M DO FORCEJOB.

Other parts of Control-M monitor will not be affected.

Corrective Action: Look for previous error messages. Correct the error, shut down the Control-M monitor and start it again.

CTM442E ERROR WHILE LOADING CTMJ OB\CTMMEM FOR CMEM PROCESSING

Explanation: Highlighted, unrollable message.
The CTMJ OB or CTMMEM modules could not be loaded by the Control-M monitor for one of the following reasons:
1. There was insufficient storage.
2. The modules could not be found in the libraries specified in the STEPLIB DD statement or in the Linklist.

Control-M monitor will not process requests from:
3. Control-O
4. CMEM subsystem functions
5. Control-M DO FORCEJOB.

Corrective Action: Correct the error, shut down the Control-M monitor and start it again.

CTM443E OPEN ERROR OCCURRED DURING CMEM PROCESSING, DSN=dsn

Explanation: The Control-M monitor has encountered an open error while processing CMEM or Control-O requests.
An open error occurred on one of the Control-M communication data sets. Possible causes are:

1. An incorrect communication file was defined.
2. A security product failed the OPEN request.

Control-M monitor stops processing CMEM or Control-O requests.

**Corrective Action:** Do the following:

3. Check that CTMPARM points to the correct communication file.
4. Check the $dsn$ communication file, and make sure that it is properly defined, formatted, and cataloged.
5. Make sure that no restrictions are imposed by MVS, a security package, and so on.
6. Correct the error, shut down the Control-M monitor and start it again.

**CTM444E I/O ERROR OCCURRED DURING CMEM PROCESSING, DSN=$dsn$**

**Explanation:** The Control-M monitor has encountered an I/O error while processing CMEM or Control-O requests.

An I/O error occurred on one of the Control-M communication data sets.

Control-M monitor stops processing CMEM or Control-O requests.

**Corrective Action:** Do the following:

1. Check the $dsn$ communication file, and make sure that it is properly defined and formatted.
2. Check that CTMPARM points to the correct communication file. If the file and CTMPARM appear correct:
   - Check the MVS LOGREC file for a physical disk error.
   - Reallocate and reformat the $dsn$ communication file.
3. After correcting the error, stop the Control-M monitor and start it again.

**CTM445E DYNAMIC ALLOCATION ERROR, RC=$rc$, REASON CODE=$rsn$, DSN=$dsn$**

**Explanation:** The Control-M monitor has encountered a dynamic allocation error while processing CMEM or Control-O requests.

A dynamic allocation error occurred on one of the Control-M communication data sets. Possible reasons for this failure include:

1. The $dsn$ communication file is not cataloged on the correct disk.
2. The $dsn$ communication file is cataloged in a catalog which cannot be accessed by the Control-M monitor.
3. The wrong communication file name, or no communication file name, was specified in IOACPRM.
4. The MVS allocation exit failed the allocation request.
5. A security product failed the allocation.
For information about the return code ($rc$) and the reason code ($rsn$) see the IBM manual *MVS Programming: Authorized Assembler Services Guide*. Reallocate and format or re-catalog the file if necessary.

The Control-M monitor stops processing CMEM and Control-O requests.

**Corrective Action:** Check the definitions in CTMPARM, and correct them as necessary. After the error is corrected, stop the Control-M monitor and start it again.

**CTM446W SYSPLEX TABLE MISSING - SYSTEM LOGGER INTERFACE DISABLED**

**Explanation:** Control-M attempted to read the Sysplex Table and failed.

Control-M could not find the Sysplex Table or encountered errors while reading the Sysplex Table. This could be due to one of the following:

1. The Sysplex Table is not present in the STEPLIB concatenation of load libraries.
2. The Sysplex Table has an invalid internal format.
3. The Sysplex Table has no valid, active table entries.

Control-M attempts to allocate, open and use the subsystem-to-monitor (S2M) communication files to implement CMEM-Control-M communication.

**Corrective Action:** Check why the Sysplex Table is not in the load library or has an invalid format. Correct the problem and recycle Control-M.

**CTM447E SYSTEM LOGGER REQUEST req FAILED: R15=r15 RETURN=rc REASON=rsn**

**Explanation:** A System Logger request failed.

One of the following System Logger requests failed:

<table>
<thead>
<tr>
<th>Request</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEFCFS, IXTINVNT</td>
<td>Define coupling facility structure</td>
</tr>
<tr>
<td>DEFLGS, IXTINVNT</td>
<td>Define log stream</td>
</tr>
<tr>
<td>CONLGS, IXTCONN</td>
<td>Connect to log stream</td>
</tr>
<tr>
<td>Writel, IXGWRITE</td>
<td>Write a log stream log block</td>
</tr>
<tr>
<td>BRWSEL, IXGBRWS</td>
<td>Browse a log stream log block</td>
</tr>
<tr>
<td>DELETL, IXGDELET</td>
<td>Delete a log stream log block</td>
</tr>
<tr>
<td>DISLGS, IXTCONN</td>
<td>Disconnect from log stream</td>
</tr>
<tr>
<td>DELLLGS, IXTINVNT</td>
<td>Delete log stream</td>
</tr>
</tbody>
</table>
Request | Explanation
------- | --------
DELCFS, IXGINVNT | Delete coupling facility structure

\( r_{15} \) is provided by Control-M and is one of the following:

<table>
<thead>
<tr>
<th>R15</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>Minor System Logger request error</td>
</tr>
<tr>
<td>12</td>
<td>Intermediate System Logger request error</td>
</tr>
<tr>
<td>16</td>
<td>Major System Logger request error</td>
</tr>
<tr>
<td>20</td>
<td>Permanent System Logger request error</td>
</tr>
<tr>
<td>24</td>
<td>Internal Control-M error</td>
</tr>
<tr>
<td>28</td>
<td>Operating system does not support System Logger interface</td>
</tr>
<tr>
<td>32</td>
<td>Internal Control-M error</td>
</tr>
</tbody>
</table>

The return code \( rc \) and the reason code \( rsn \) are documented in the IBM manual *MVS Programming: Assembler Services Reference*. Check that publication for the system action relevant to the return code and reason code in the message. Each System Logger request is in a separate section of the guide. The return and reason codes are described in the topic “Return and Reason Codes” for each System Logger request.

**Corrective Action:** When a System Logger error occurs, check the system log or the console that displays error messages for the IXGLOG System Logger address space for further details. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.

**CTM448W CMEM LOST num TRANSACTIONS FROM THE CPU WITH SMFID=smfid**

**Explanation:** Control-M was down, or stopped processing CMEM and Control-O requests.

During the time that the Control-M monitor was inactive (due to a problem or daily maintenance), the CMEM subsystem functions or Control-O wrote to the Communication file more records than its size allowed. Therefore the oldest CMEM or Control-O requests were overwritten and lost.

No additional action is performed.

**Corrective Action:** Take one of the following steps in order to prevent this situation from recurring:

1. Make sure that the Control-M monitor will not remain inactive for a long time.
2. Increase the size of the Communication files.
**CTM449E** MISSING TABLE `tableName` IN `lib`.

**Explanation:** The `tableName` table was not found in the specified library, or the table was empty.
A FORCEJOB request for a scheduling table or a specific job failed.
This message is followed by the WKJ A59E message, which contains more details about the error.
This message may also be issued in the following situations:

1. the library in which the member resides is being compressed
2. the disk volume on which the library resides is being reorganized or defragmented

These actions should be avoided during job ordering periods.
No additional action is taken for the failed job or table order.

**Corrective Action:** Check that the table exists in the indicated library. For further actions, see the WKJ A59E message.

**CTM44AI** SYSTEM LOGGER INTERFACE ACTIVATED

**Explanation:** This information message indicates that Control-M has successfully initialized the System Logger interface.
Control-M can now begin communicating with CMEM.

**Corrective Action:** No action is required.

**CTM44BE** SYSTEM LOGGER NOT SUPPORTED ON THIS OPERATING SYSTEM

**Explanation:** Control-M cannot utilize the System Logger interface on the host operating system.
The host operating system does not support the System Logger interface.
The CMEM facility is deactivated.

**Corrective Action:** Change the parameters in the appropriate IOA PARM library members to use the Subsystem-to-Monitor (S2M) communication files to implement communication between CMEM or Control-O and Control-M.

**CTM44CI** ATTEMPTING TO RECONNECT TO MVS SYSTEM LOGGER

**Explanation:** Control-M has detected an MVS System Logger error, and is attempting to reconnect to the MVS System Logger.
Control-M tries several times to reconnect to the MVS System Logger.

**Corrective Action:** No action is required.

**CTM44DE** ATTEMPT TO RECONNECT TO MVS SYSTEM LOGGER FAILED

**Explanation:** Control-M detected an MVS System Logger error, and attempted several times to reconnect to the MVS System Logger, without success.

**Corrective Action:** No action is required.
CTM44EE MVS SYSTEM LOGGER ERROR - CMEM FEATURE DISABLED

**Explanation:** Control-M detected an MVS System Logger error. Either this error was so severe as not to be recoverable, or Control-M attempted several times to reconnect to the MVS System Logger, without success.

Control-M has stopped attempting to reconnect to the MVS System Logger. The CMEM facility is deactivated.

**Corrective Action:** If and when the MVS System Logger becomes operational, stop and restart the Control-M monitor.

CTM44FI TRIGGER JOB jobName (jobId) FOUND ON AJF. JOB NOT FORCED

**Explanation:** This information message refers to a Control-O or CMEM ON JOBARRIV or ON JOBEND rule with a DO FORCEJOB command. The job used to trigger this DO FORCEJOB was found on the Active Jobs file.

Control-M does not order and submit the DO FORCEJOB.

**Corrective Action:** No action is necessary.

CTM44GA REPLY "ABORT", "CONTINUE", OR "RETRY"

**Explanation:** After displaying a CMEM-related error message, Control-M disables communication between CMEM or the Control-O monitor and Control-M. Control-M then displays message CTM44GA giving the user the choice of how to continue.

The subtask is suspended until a response to this message is received.

**Corrective Action:** Enter one of the following responses:

1. ABORT - terminate the Control-M monitor
2. CONTINUE - disable communication between CMEM or the Control-O monitor and Control-M, but allow the Control-M monitor to continue processing
3. RETRY - retry the failed dynamic allocation request

CTM450S OPEN OF WORK FILE FAILED - DDNAME "DAJ OBLST". PLEASE CHECK THE CONTROL-M MESSAGES AND CODES MANUAL

**Explanation:** The New Day procedure was unable to open the file pointed to by the DAJ OBLST DD name for update.

After reading the list of CDAM files to be deleted from the file pointed to by DAJ OBLST, the New Day procedure empties the file and writes one record indicating that there are no more entries. Possible causes are:

1. file not found on the disk
2. incorrect security authorization

**Corrective Action:** Determine the reason for the problem, and correct it. Reinstall Control-M/Restart.
CTM452I FORMATTING OF activeFile FILE STARTED

**Explanation:** This information message indicates that the Control-M Active Jobs file (AJF) or the Control-D Active Missions file (AMF) is currently being formatted.

**Corrective Action:** No action is required.

CTM453S OPEN OF DATES CONTROL-RECORD FAILED. DDNAME "DACHK"

**Explanation:** Open of the Control-M or Control-D Date Control record failed in the DACHK DD statement. This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program as part of the New Day procedure. Possible causes are:

1. The DACHK DD statement is missing.
2. The data set (member) described by the DACHK DD statement is not the Control-M or Control-D Date Control Record.

**Corrective Action:** Correct the JCL for the New Day procedure.

CTM454E FORMAT (format_pgm) ALREADY RUN TODAY

**Explanation:** An attempt was made to run the New Day procedure twice in the same day. The New Day procedure issues format_pgm. This program should not run more than once a day.

Possible values of format_pgm:

1. CTMFRM - formats the Active Jobs file (AJF) in Control-M
2. CTDFRM - formats the Active Missions file (AMF) in Control-D

The AJF or AMF is not formatted, but the New Day procedure continues to execute other programs in the program list.

**Corrective Action:** Check why the New Day procedure is being run twice, and whether jobs or missions were accidentally ordered twice because the General Date Control Record was erroneously modified.

CTM455S LAST FORMAT DATE GREATER THAN ORIGINAL SCHEDULING DATE IN CONTROL-M DATES Control-RECORD

**Explanation:** The last format date is later than the original scheduling date in the Control-M Date Control record or the Control-D Date Control record. The New Day procedure issues this message. For more details, see the appropriate user guide.

New Day processing stops.

**Corrective Action:** Correct the Control-M or Control-D Date Control record, and run the New Day procedure again.

CTM456S OPEN OF activeFile FILE FAILED. DDNAME "ddName"

**Explanation:** Open of the Control-M Active Jobs file (AJF) or the Control-D Active Missions file (AMF) defined in the ddName DD statement failed. The New Day procedure calls the program that issues this message.

In Control-M, ddName is DACKPT and activeFile is the Active Jobs file (AJF).
In Control-D **ddName** is DAAMF and **activeFile** is the Active Missions file (AMF).

Possible causes are:
1. The **ddName** DD statement is missing.
2. The data set described by the **ddName** DD statement is not the AJF or the AMF.
3. The data set described by the **ddName** DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure, and rerun it.

**CTM457S OPEN OF BACKUP FILE FAILED. DDNAME "DABKUP"**

**Explanation:** Open of backup file for the Active Jobs file (AJF) or Active Missions file (AMF) defined in the DABKUP DD statement failed. This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is usually activated as part of the New Day procedure.

Possible causes are:
1. The DABKUP DD statement is missing.
2. The data set described by the DABKUP DD statement is not the Active Jobs Backup file or Active Missions Backup file.
3. The data set described by the DABKUP DD statement is the Control-M Active Jobs Backup file or the Control-D Active Missions Backup file, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure, and rerun it.

**CTM458S ERROR IN activeFile - RECORD 0. SHOULD BE FORMAT OR FREE**

**Explanation:** Record 0 of the **activeFile** file contains incorrect data. This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is usually activated as part of the New Day procedure.

In Control-M, **activeFile** is the Active Jobs file (AJF).

In Control-D, **activeFile** is the Active Missions file (AMF).

Possible causes are:
1. The **activeFile** file is corrupt.
2. The data set described by the DACKPT DD statement (Control-M) or the DAAMF DD statement (Control-D) is not the **activeFile** file, but is very similar to it.

Program execution stops with a condition code of 08.

**Corrective Action:** Check the validity of the data set described by the DACKPT or DDAMF DD statement. If necessary, correct the JCL, and rerun the New Day procedure.
If `activeFile` is corrupt, use a standard copy utility, like IEBGENER, to copy `activeFile`, and send it to BMC Customer Support. If necessary, run the FORMCKP utility to reformat the Active Jobs file or the CTDFRAMF utility to reformat the Active Missions file. However, these utilities also erase all the jobs or missions in the respective files.

**CTM459I activeFile IS RESTORED FROM BACKUP**

**Explanation:** This information message indicates the beginning of a rerun of the New Day procedure after an earlier abend during the format of `activeFile`.

In Control-M, `activeFile` is the Active Jobs file (AJF).

In Control-D `activeFile` is the Active Missions file (AMF).

`activeFile` is restored from the appropriate backup file, and processing continues normally.

**Corrective Action:** No action is required.

**CTM460S DATE CONTROL-RECORD IS EMPTY**

**Explanation:** The DACHK DD statement describes an empty data set or member. For more information, see the sections that describe NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the Control-M or Control-D Date Control Record and run the New Day procedure again.

**CTM461S ERROR WHILE FORMATTING IOA CONDITIONS FILE**

**Explanation:** I/O error while formatting the IOA Conditions file.

Possible causes are:

1. The data set described by the DARESF DD statement is not the IOA Conditions file.
2. An I/O error occurred while reading the IOA Conditions file.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct and run the New Day procedure again. In case of an I/O error, you may need to recreate the IOA Conditions file. This erases all the conditions from the file.

**CTM462S INVALID LAST FORMAT DATE IN DATE CONTROL RECORD**

**Explanation:** Invalid format of last format date in the Date Control Record. This message is issued by the CTMFRM or CTDFRM program, which is activated as part of the New Day procedure. The valid format is ddmmyy or mmddyy. Possible causes are:

- Someone has modified the contents of the Date Control Record incorrectly.
- The record described by the DACHK DD statement is not the Control-M Date Control Record or the Control-D Date Control Record.

For more information, see the sections that describe NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.
Program execution stops with a condition code of 08.

**Corrective Action:** Do one or both of the following, as necessary:
- Correct the JCL for the Daily Subsystem, and rerun it.
- Correct the format date in the Date Control Record, and rerun the New Day procedure.

**CTM463S INVALID ORIGINAL SCHEDULING DATE IN DATE CONTROL RECORD**

**Explanation:** Invalid original scheduling date in the Date Control Record. This message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is activated as part of the New Day procedure. The valid format is ddmmyy or mmddyy.

Possible causes are:
- The record described by the DACHK DD statement is not the Control-M General Date Control Record or the Control-D General Date Control Record.
- Someone modified the contents of the General Date Control Record incorrectly.

For more information, see the sections that describe NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

**Corrective Action:** Do one or both of the following, as necessary:
- Correct the JCL for the New Day procedure and rerun it.
- Correct the original scheduling date in the General Date Control Record and rerun the New Day procedure.

**CTM464S FILE ALLOCATED TO DDNAME "ddName" IS NOT YOUR activeFile**

**Explanation:** The data set described by the ddName DD statement is not the file specified by activeFile.

In Control-M, ddName is DACKPT and activeFile is the Active Jobs file (AJF).
In Control-D ddName is DAAMF and activeFile is the Active Missions file (AMF).

Possible causes are:
- The data set described by the ddName DD statement is not the AJF or the AMF.
- The data set described by the ddName DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the problem in the data set name indicated by the ddName DD statement, and run the New Day procedure again.
CTM465S FILE ALLOCATED TO DDNAME "DABKUP" IS NOT A BACKUP OF activeFile

**Explanation:** The data set described by the DABKUP DD statement is not a backup of activeFile. In Control-M, activeFile is the Active Jobs file (AJF). In Control-D, activeFile is the Active Missions file (AMF).

Possible causes are:
- The data set described by the DABKUP DD statement is not the AJF or the AMF.
- The data set described by the DABKUP DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the Control-M Date Control Record and rerun the affected procedure.

CTM466S NEED MORE MEMORY TO FORMAT activeFile

**Explanation:** There is not enough memory to format the activeFile file. In Control-M, activeFile is the Active Jobs file (AJF) or the History file (HST). In Control-D, activeFile is the Active Missions file (AMF).

Program execution stops with a condition code of 08. Control-M and Control-D monitors will not start after this error.

**Corrective Action:** To enable monitors to start, set REGION=0M and rerun the affected procedure. If the REGION is already set to 0M, then ensure that the MVS exit IEFUSI allows sufficient virtual storage memory to be allocated above the 16M line. For example, since each record of the above files requires 1024 bytes of storage, a file containing 200,000 records requires 200M of storage above the line.

CTM468I FORMATTING OF activeFile ENDED

**Explanation:** This information message indicates that the New Day procedure finished formatting the activeFile file. This message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is activated as part of the New Day procedure.

In Control-M, activeFile is the Active Jobs file (AJF).

In Control-D, activeFile is the Active Missions file (AMF).

**Corrective Action:** No action is required.

CTM469S OPEN OF IOA LOG FILE FAILED

**Explanation:** Open of IOA Log file failed. The message is produced by the New Day procedure. Possible causes are:

1. The DALOG DD statement is missing.
2. The file allocated to the DALOG DD statement is not the IOA Log file.
3. The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA monitor.
Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL and run the Daily again.

**CTM470S ERROR WHILE FORMATTING THE activeFile, FILE WAS NOT FORMATTED**

**Explanation:** An error occurred during formatting of the activeFile file. The New Day procedure issues this message.

In Control-M, activeFile is the Active Jobs file (AJF).

In Control-D, activeFile is the Active Missions file (AMF).

Program execution stops with a condition code of 08.

**Corrective Action:** Look for a previous message that describes the type of error. Correct it and rerun the New Day procedure.

**CTM471S OPEN OF IOA CONDITIONS FILE FAILED. DDNAME "DARESF"**

**Explanation:** Open of IOA Conditions file failed (the DARESC DD statement). This error message is issued by either the CTMFRM or the CTDFRM program, which is activated as part of the New Day Procedure. Possible causes are:

1. The DARESC DD statement is missing.
2. The data set described by the DARESC DD statement is not the IOA Conditions file.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the Daily Subsystem and rerun it.

**CTM472S OPEN OF IOA SYNCHRONIZATION FILE FAILED. DDNAME "DASINC"**

**Explanation:** Open of IOA Synchronization file failed in the DASINC DD statement. This error message is issued by either the CTMFRM or the CTDFRM program, which is activated as part of the New Day procedure. Possible causes are:

1. The DASINC DD statement is missing.
2. The data set described by the DASINC DD statement is not the IOA Synchronization file.
3. The data set described by the DASINC DD statement is an IOA Synchronization file, but it is of another Control-M or Control-D monitor, or of a different Control-M or Control-D version.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure and rerun it.

**CTM475S INVALID LAST FORMAT DATE IN DATE CONTROL-RECORD**

**Explanation:** Invalid format of last format date in the Date Control record. This message is issued by either the CTMFRM or the CTDFRM program, which is activated as part of the New Day procedure. Possible causes are:
1. The record described by the DACHK DD statement is not the Control-M or Control-D Date Control record.

2. Someone modified the contents of the Date Control Record incorrectly.

For more information, see the sections on NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

**Corrective Action:** Do one or both of the following, as necessary:

3. Correct the JCL for the New Day procedure, and rerun it.

4. Correct the format date in the Date Control Record.

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**CTM476S LAST FORMAT DATE IN DATE CONTROL-RECORD WAS MORE THAN 28 DAYS AGO**

**Explanation:** The difference between the current working date (date-1) and the last format date in the Date Control Record is greater than 28 days. Possible causes are:

1. Someone modified the contents of the Date Control Record incorrectly.

2. The Control-M or Control-D monitor has not been used for more than 28 days. Correct the date to “yesterday.”

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the dates in the Date Control Record in the DACHK DD statement, and rerun the Daily Subsystem.

---

**CTM477S FILE ALLOCATED TO DDNAME "DASINC" IS NOT YOUR IOA SYNCHRONIZATION FILE**

**Explanation:** The data set described by the DACNDF DD statement is not the required IOA Conditions file. The CTMFRM or CTDFRM program issues this error message as part of the New Day procedure when one of the following occurs:

1. The file allocated to the DACNDF DD statement is not the IOA Conditions file.

2. The file allocated to the DACNDF DD statement is an IOA Conditions file, but for a different version, or for a different Control-M or Control-D monitor.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure and rerun it.

---

**CTM478I FORMATTING OF IOA CONDITIONS FILE STARTED**

**Explanation:** This information message indicates that the formatting of the IOA Conditions file was started by the New Day procedure. The CTMFRM or CTDFRM program clears all the conditions from the day following the last formatting date until the next working date, that is, the first date in the General Date Control Record.

**Corrective Action:** No action is required.
CTM479I FORMATTING OF IOA CONDITIONS FILE ENDED

Explanation: This information message indicates that the New Day procedure formatted the IOA Conditions file. The CTMFRM or CTDFRM formatting program called by the New Day procedure ended.

Corrective Action: No action is required.

CTM480S ERROR WHILE FORMATTING IOA CONDITIONS FILE.

Explanation: An error occurred while formatting the IOA Conditions file by the New Day procedure. An earlier error message describes the type of error.

Program execution stops with a condition code of 08.

Corrective Action: Check the IOA Log or the utility output for a previous message concerning the error.

CTM481S OPEN OF WORK FILE FAILED - DDNAME "DAJ OBLST". DELETE OF ARCHIVED SYSOUTS FAILED

Explanation: Open for the DAJ OBLST file failed during the execution of the New Day procedure.

This error message is issued by the CTMDAS program, which is usually activated as part of the New Day procedure. The DAJ OBLST DD statement is probably missing.

Program execution stops with a condition code of 16.

Corrective Action: Make sure that CONTROLR is set to Y in CTMPARM.

CTM482S INIT OF RES FILE FAILED

Explanation: The New Day procedure failed to initialize the Control-M Resources file. An accompanying message identifies the reason for the failure.

The New Day procedure stops with an error code of 12.

Corrective Action: Check the accompanying message to determine the reason for the problem, and correct the problem accordingly.

CTM484I FORMAT OF RESOURCE FILE HAS STARTED

Explanation: This information message indicates that the Control-M Resources file is currently being formatted. This procedure is usually part of the New Day procedure.

Corrective Action: No action is required.

CTM488I FORMAT OF RESOURCE FILE HAS ENDED

Explanation: This information message indicates that formatting of the new Control-M Resources file is complete and the resource is available.

Corrective Action: No action is required.

CTM491S OPEN OF DDNAME "DA34F" FAILED

Explanation: Open of the file containing the operator commands failed (the DA34F DD statement). The CTM34F program is usually activated as part of the New Day procedure. Possible causes are:
1. The DA34F DD statement is missing.
2. The data set described by the DA34F DD statement does not exist, or cannot be opened for sequential read, or record length is not 80.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL of the job. For more information, see the *INCONTROL for z/OS Administrator Guide*.

**CTM493I** {IOA34F | CTM34F} STARTS EXECUTING COMMANDS

**Explanation:** This information message indicates that the IOA34F or CTM34F program is ready to execute the operator commands from the supplied list. This program is usually activated as part of the New Day procedure.

**Corrective Action:** No action is required.

**CTM495I** {IOA34F | CTM34F} FINISHED EXECUTING COMMANDS

**Explanation:** This information message indicates that the IOA34F or CTM34F program finished executing the list of operator commands. This program is usually activated as part of the New Day procedure.

**Corrective Action:** No action is required.

**CTM496E** PROGRAM {IOA34F | CTM34F} IS NOT APF-AUTHORIZED

**Explanation:** The MVS operating system rejected the operator commands issued by the CTM34F program. The CTM34F program should reside in an APF-authorized library and must be link edited with the AC attribute set to 1 in order to be able to issue operator commands.

The issued commands are rejected. The CTM34F program terminates with a condition code of 08.

**Corrective Action:** The IOA34F or CTM34F program already has the AC attribute set to 1. The INCONTROL administrator should verify that the library in which CTM34F resides is APF-authorized.

**CTM497S** VM HOST NOT AVAILABLE

**Explanation:** An attempt was made to issue a VM command while MVS was not running under VM. A command whose name starts with the prefix CP was passed to the IOAOPR utility. This prefix signals to Control-M that the command is intended for a host VM operating system, but the IOAOPR utility detected that no VM environment was available.

**Corrective Action:** Verify that a VM environment is running before issuing VM CP commands.

**CTM498S** LOAD OF MODULE IOAVMC FAILED

**Explanation:** The IOAOPR utility could not load the IOAVMC module.

**Corrective Action:** Verify that the IOAVMC module resides in the STEPLIB library.

**CTM499E** INVALID VALUE "val" FOR "RESPONSE" KEYWORD

**Explanation:** The user entered a value other than YES or NO for the Response keyword.

**Corrective Action:** Correct the entry to either YES or NO.
Messages CTM500 through CTM5xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTM501I CTMJOB STARTED**

**Explanation:** This information message indicates that the CTMJOB program has started.

The CTMJOB program is usually activated as part of the New Day procedure.

**Corrective Action:** No action is required.

**CTM502S OPEN OF SCHEDULE DATA FAILED. DDNAME "DAJOB"**

**Explanation:** Open of scheduling tables data set failed (the DAJOB DD statement).

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure, and could be due to one of the following:

- The DAJOB DD statement is missing.
- The data set described by the DAJOB DD statement cannot be opened for sequential read or the record length is not 80.

The CTMJOB program will end with errors.

**Corrective Action:** Correct the JCL for the job/CLIST.

**CTM502E CONVCON INVALID RC=rc REASON =rsn CONSOLE ID=consId CONSOLE NAME=consName**

**Explanation:** A command was issued to a console specified by CONSOLE ID=consId or CONSOLE NAME=consName, and the CONVCON service return code is not 0. When a command is issued to a console, the CONVCON service is called to verify the console. The return code from the CONVCON service that validates the console response is rc.

The command may be rejected depending on the CONVCON action.

**Corrective Action:** To determine the reason for the error, see the Authorized Assembler Services Guide. Correct the error, and reissue the command.

**CTM503S OPEN OF USER DATE CONTROL-RECORD FAILED - DDNAME "DACHK"**

**Explanation:** Open of the file containing the User Date Control Record failed (the DACHK DD statement).

Issued by the CTMJOB program which is usually activated by the New Day procedure.

Possible causes are:

- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The CTMJOB program will end with errors.

**Corrective Action:** Correct the JCL for the job/CLIST.
CTM504S USER DATE CONTROL-RECORD IS EMPTY

Explanation: The data set described by the DACHK DD statement is empty.
The CTMj OB program will end with errors.
Corrective Action: Correct the JCL for the job/CLIST.

CTM505S PREVIOUS RUN OF CTMj OB DID NOT FINISH OK

Explanation: A previous run of the CTMj OB program did not finish OK. This program is usually activated as part of the New Day procedure.

Date-2 and date-3 (or date-4 and date-5) of the Date Control Record are not equal. Possible causes are:
- The previous run of the CTMj OB program did not finish OK.
- Someone has modified the contents of the User Date Control Record (the DACHK DD statement).

For more information, see the Control-M chapter in the INCONTROL for z/OS Administrator Guide.

The CTMj OB program ends with errors.
Corrective Action: Change date-3 (or date-5), positions 25-30 (or positions 50-55) in the Date Control Record (the DACHK DD statement) to the values of date-2 (or date-4).
To rerun the same Daily, correct all the dates to the value of the day before. Be careful not to order the same job twice during a rerun on the same day. BMC recommends that you delete the ordered jobs from the Active Jobs file and then run the Daily again.

If the previous abend happened after many jobs had been ordered, BMC recommends requesting the remaining jobs manually by means of CLIST CTMj OBRO.

CTM506S SCHEDULING FAILED FOR MEMBER memName

Explanation: Scheduling failed for the memName member. This error message is issued by the CTMj OB program which is usually activated as part of the New Day procedure.
The IOA Log or the job output should contain an additional message concerning the reason for failure.
The job order of member is not placed in the Active Jobs file. Depending on the severity of the problem, the New Day procedure will either continue to the next job order or terminate with the condition code 08.
Corrective Action: Check the IOA Log or the job’s output for the reason.

CTM507S LAST MONTHLY SCHEDULING DATE GREATER THAN THE CURRENT ORIGINAL SCHEDULING DATE

Explanation: Invalid last monthly Scheduling Date.
The last monthly Scheduling Date (positions 18-23) in the User Date Control Record is greater than the current original Scheduling Date (positions 1-6). Possible causes are:
- The previous run of the CTMj OB program did not finish OK.
- Someone has modified the contents of the User Date Control Record (DD statement DACHK).
For more details, see the INCONTROL for z/OS Administrator Guide.
The CTMJOB program will end with errors.

Corrective Action: Correct the User Date Control Record (the DACHK DD statement).

CTM508S LAST MONTHLY SCHEDULING DATE WAS MORE THAN 28 DAYS AGO, CHECK IT

Explanation: The last monthly scheduling date is more than 28 days ago.

Possible causes are:
- The User New Day procedure has not been used for more than 28 days. Correct the dates in the record to “yesterday.”
- Someone has modified the contents of the General Date Control Record incorrectly.

For more details, see the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

Corrective Action: Correct the dates in the User Date Control Record (the DACHK DD statement).

CTM509S INVALID YEAR IN ORIGINAL SCHEDULING DATE OF USER DATE CONTROL-RECORD

Explanation: Invalid year in the original scheduling date of the User Date Control record. This year is not yet supported by Control-M.

The CTMJOB program will end with errors.

Corrective Action: Please correct the year field (the DACHK DD statement).

CTM510S SEVERE ERROR IN THE SCHEDULING DATA - NOTIFY THE IOA ADMINISTRATOR

Explanation: Severe error in the scheduling data.

This message is produced when the scheduling tables (described by the DAJOB DD statement) contain erroneous data. This can be due to the following:
- The contents of the table were incorrectly modified using an editor or program, and the format of the table is invalid.
- Internal error in Control-M.

The program terminates with a condition code of 08.

Corrective Action: Try to restore the table to its original state. If you cannot, prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

If it is a batch Daily using a permanent Date Control Record, correct the contents of the record before running the Daily again. If issued during a User Daily or New Day procedure, see message CTM505S for further details.
CTM513I SCHEDULE FAILED FOR num CONTROL-D CATEGORIES

Explanation: This information message indicates that num Control-D decollating missions categories were not found in the library allocated to the DAREPMIS DD statement. The Control-M New Day procedure continues processing.

Corrective Action: Look at the IOA Log for the failed categories and associated reasons for failure.

CTM514S INSUFFICIENT STORAGE FOR THE JOB

Explanation: Insufficient storage for processing the job order. The program terminates with a condition code of 08.

Corrective Action: Increase the REGION size of the task which issued the request.

CTM515S ERROR IN SCHEDULING DATA - TOO MANY CARDS FOR ONE JOB

Explanation: Too many statements for one job. Scheduling data used to describe the job order are too large to be processed by Control-M.

The job order will not be placed on the Active Jobs file. The New Day procedure will terminate with a condition code of 08.

Corrective Action: Check the contents of the job order, using the Online Scheduling Facility, and remove unnecessary scheduling data. Prepare the Control-M monitor full output and contact BMC Customer Support.

CTM516S ERROR IN SCHEDULING DATA - FIRST CARD SHOULD START WITH "D"

Explanation: Invalid scheduling data in the first data set described by the DAJOB DD statement. The first statement of valid scheduling table should start with D.

Possible causes are

- The data set described by the DAJOB DD statement is not a scheduling table.
- The scheduling data has been manually modified incorrectly.

The CTMJOB program ends with errors.

Corrective Action: Check contents of the data set described by the DAJOB DD statement and if the problem is not solved, check to find the person who may have manually changed the scheduling data.

CTM517S SCHEDULING DATA NOT AVAILABLE

Explanation: The DD statement pointing to the job scheduling tables is empty or missing.

The program ends with errors.

Corrective Action: Correct the JCL for the job/CLIST.
CTM518S INVALID YEAR IN USER DATE CONTROL-RECORD

Explanation: Invalid year in the User Date Control record used by the New Day procedure. This year is not supported by the release of Control-M you are using.

The CTMJOB program ends with errors.

Corrective Action: Please correct the year field (the DACHK DD statement).

CTM519S INVALID PREVIOUS WEEKLY SCHEDULING DATE IN USER DATE CONTROL-RECORD (POSITIONS 43-48)

Explanation: Invalid previous weekly Scheduling Date in the User Date Control record (positions 43-48). This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.

This date (date-4 of User Date Control record) might not be equal to date-5 (positions 50-55) or in invalid format. Valid format is ddmmyy or mmddyy.

Possible causes are:
- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, see the INCONTROL for z/OS Administrator Guide.

The New Day procedure will end with errors.

Corrective Action: Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

CTM522S INVALID ORIGINAL SCHEDULING DATE IN USER DATE CONTROL-RECORD (POSITIONS 1-6)

Explanation: Invalid original scheduling date in the User Date Control Record (positions 1-6). Valid format is ddmmyy or mmddyy.

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.

Possible causes are:
- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, see the INCONTROL for z/OS Administrator Guide.

The New Day procedure will end with errors.

Corrective Action: Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.
CTM523S INVALID PREVIOUS MONTHLY SCHEDULING DATE IN USER DATE CONTROL-RECORD (POSITIONS 18-23)

Explanation: Invalid previous monthly scheduling date in the User Date Control Record (positions 18-23). This date (date-2 of User Date Control Record) should be equal to date-3 (positions 24-29) or in valid format. The valid format is ddmmyy or mmddyy.

This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

Possible causes are:

- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, see the INCONTROL for z/OS Administrator Guide.

The CTMJOB program will end with errors.

Corrective Action: Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

CTM524S CTMJOB ENDED WITH ERRORS

Explanation: The CTMJOB program ended with errors.

The IOA Log usually contains prior messages concerning the errors.

The CTMJOB program finishes executing with a condition code of 08.

Corrective Action: Do the following:

- Check the IOA Log for errors.
- If CTMJOB is being executed from within the New Day procedure or from a User Daily, correct the Date Control Record (date-3 and date-5) manually, if necessary, to allow the next run of the Daily.

For more details, see the INCONTROL for z/OS Utilities Guide.

CTM525I CTMJOB ENDED

Explanation: This information message is a normal message issued when the CTMJOB program terminates. CTMJOB is activated as part of the New Day procedure.

Corrective Action: No action is required.

CTM528I MEMBER memName ID=orderId ODATE odate PLACED ON ACTIVE JOBS FILE-descr

Explanation: This information message is issued when a job order is placed on the Active Jobs file. The task is now on the Active Jobs file in WAIT SCHEDULE state.

Corrective Action: No action is required.
CTM529S LAST WEEKLY SCHEDULING DATE GREATER THAN THE CURRENT ORIGINAL SCHEDULING DATE

**Explanation:** The last weekly scheduling date in the Date Control Record is greater than the current original scheduling date.

This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure. Date-4 (positions 43-48) should not be greater than date-1 (positions 1-6) in the Date Control Record.

Possible causes are:

- The previous run of the CTMJOB program did not finish OK.
- Someone modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, see the *INCONTROL for z/OS Administrator Guide*.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the User Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

CTM530S LAST WEEKLY SCHEDULING DATE WAS MORE THAN 28 DAYS AGO, CHECK IT

**Explanation:** The last weekly scheduling date is more than 28 days ago.

Possible causes are:

- The User New Day procedure has not been used for more than 28 days. Correct the dates in the record to yesterday.
- Someone has modified the contents of the General Date Control Record incorrectly.

For more details, see the *INCONTROL for z/OS Administrator Guide*.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the dates in the Date Control Record (the DACHK DD statement) and rerun.

CTM531W MEMBER memName ODATE odate - SCHEDULING CANCELLED BY USER EXIT

**Explanation:** Scheduling cancelled by the CTMX001 user exit; the member did not pass user checking. The CTMX001 user exit is activated for each job order before it is placed on the Active Jobs file. The exit can direct the New Day procedure not to place the job order on the Active Jobs file, in which case this message is issued.

The job order is not placed on the Active Jobs file.

**Corrective Action:** Look for additional messages in the IOA Log clarifying the reason for the cancel (usually security). If you cannot find a reason, consult your system programmer.
CTM532S OPEN OF CONTROL-M ACTIVE JOBS FILE FAILED. DDNAME "DACKPT"

Explanation: Open of Control-M Active Jobs file failed.

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure, and is due to one of the following:

- The DACKPT DD statement is missing.
- The data set described by the DACKPT DD statement is not the Control-M Active Jobs file.
- The data set described by the DACKPT DD statement is the Control-M Active Jobs file but of a different version of Control-M, or of a different Control-M monitor.

Program execution stops with a condition code of 08.

Corrective Action: Correct the JCL for the job/CLIST and rerun it.

CTM533S CONTROL-M ACTIVE JOBS FILE IS FULL. NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

Control-M Active Jobs file is full. There is no more space for new job orders.

The job order is not placed in the Active Jobs file.

Corrective Action: Consult your system programmer immediately. You may need to increase the size of the Active Jobs file.

CTM534S SEVERE ERROR ON CONTROL-M ACTIVE JOBS FILE. NOTIFY THE IOA ADMINISTRATOR

Explanation: Severe error on Control-M Active Jobs file.

This could be due to one of the following:

- An I/O error occurred.
- The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.
- The Active Jobs file has been corrupted.

The CTMJOB Control-M program, which is activated as part of the New Day procedure, ends with errors.

Corrective Action: Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support. Check whether the file has been updated from two computers without global ENQ control, or maybe by an unauthorized program.

CTM535S CONTROL-M ACTIVE JOBS FILE IS BEING FORMATTED. TRY AGAIN LATER

Explanation: Control-M Active Jobs file is currently being formatted. This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure. The General New Day procedure is currently running and is formatting the file.

Corrective Action: Try again later.
CTM536S SEVERE ERROR IN SCHEDULING DATA CARDS

**Explanation:** A severe error was found in the scheduling data statements. This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure. Scheduling fails for the job order. The CTMJOB program terminates with a condition code of 08.

**Corrective Action:** Look for additional messages concerning the error, correct the error and rerun.

CTM537S NO MORE INTERNAL WORK AREA. SEE MESSAGES AND CODES FOR REQUIRED ACTION

**Explanation:** Internal work areas of the New Day procedure have been exhausted. The job order contains more data than can be handled by the current release of Control-M. The New Day procedure will terminate with a condition code of 08.

**Corrective Action:** Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

CTM538S LOADING OF CONTROL-M/ANALYZER INSTALLATION PARAMETERS FAILED

**Explanation:** Loading of Control-M/Analyzer Installation Parameters, which are in the CTBPARM member in the IOA PARM library, failed.

Possible causes are:

- There is insufficient memory to load the IOA Installation Parameters.
- The CTBPARM member does not exist in the IOA PARM library.
- The IOA PARM library was updated while you were working and the position of the CTBPARM member has changed.

The requested function is terminated.

**Corrective Action:** Look in the system log for additional related messages. Try one of the following:

- If loading failed because of lack of memory: increase the REGION size for batch missions; for TSO, try to log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, try to exit a few using the END command. This releases memory used by the screens.
- If the PARM library has been modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again.

CTM53AS AJF IS ALMOST FULL AND REACHED THE 'STOP ORDER' THRESHOLD. JOB IS NOT ORDERED.

**Explanation:** When the amount of used space in the AJF increases and reaches the percentage threshold specified in the STOPORDR CTMPARM parameter, Control-M stops ordering jobs.

Control-M stops ordering jobs but all other functions (for example, job submission and post-processing) continue normally.
Corrective Action: The user must compress the AJF.

**CTM53BE JOB CAN NOT BE ADDED BECAUSE THE MOST RECENT GROUP ON THE AJF IS DELETED**

Explanation: An attempt was made to use the DYNAMIC INSERT JOB INTO GROUP option "R" (recent) to add a job to a deleted group.

Corrective Action: No action is required.

**CTM540E ERROR IN CARDS. REASON=rsn, CODE=field**

Explanation: A severe error was found in the scheduling data statements. This message is issued by Control-M (the CTMINP program) when it encounters an invalid value in a data statement.

The variables in this message are:
- **rsn** - a reason code that describes the probable cause of the error
- **field** - the field in which the error was found

Possible values of **rsn** and **field**, with explanations, are shown in the following tables.

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Invalid option</td>
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<tr>
<td>02</td>
<td>Nonnumeric character</td>
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<tr>
<td>03</td>
<td>Out of bounds. Field exceeds its limits.</td>
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<tr>
<td>04</td>
<td>Invalid time format</td>
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<tr>
<td>05</td>
<td>Plus or minus sign expected</td>
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<tr>
<td>06</td>
<td>Invalid date format</td>
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<tr>
<td>07</td>
<td>Conflict with a previous field</td>
</tr>
<tr>
<td>08</td>
<td>Minus or blank expected</td>
</tr>
<tr>
<td>09</td>
<td>Invalid or missing parameter or scheduling data statement</td>
</tr>
<tr>
<td>10</td>
<td>Internal format error</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>field</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>Internal parameter</td>
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<tr>
<td>field</td>
<td>Explanation</td>
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<td>-------------</td>
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<tr>
<td>01</td>
<td>TASKTYPE</td>
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<td>02</td>
<td>MAXWAIT</td>
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<td>03</td>
<td>TIME FROM</td>
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<td>04</td>
<td>TIME UNTIL</td>
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<td>05</td>
<td>DUE OUT</td>
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<td>06</td>
<td>MEMLIB</td>
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<tr>
<td>07</td>
<td>CTB STEP</td>
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<tr>
<td>08</td>
<td>IN Condition</td>
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<tr>
<td>09</td>
<td>CONTROL or RESOURCE</td>
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<td>10</td>
<td>OUT</td>
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<tr>
<td>11</td>
<td>MAXDAYS</td>
</tr>
<tr>
<td>13</td>
<td>MAXRUNS</td>
</tr>
<tr>
<td>14</td>
<td>RETENTION, either # OF DAYS TO KEEP or # NUMBER OF GENERATIONS TO KEEP</td>
</tr>
<tr>
<td>15</td>
<td>MAXRERUN or INTERVAL</td>
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<tr>
<td>16</td>
<td>Invalid DO action</td>
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<td>17</td>
<td>SYSOUT or DO SYSOUT</td>
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<tr>
<td>18</td>
<td>ON PGMST</td>
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<td>19</td>
<td>SHOUT or DO SHOUT</td>
</tr>
<tr>
<td>20</td>
<td>DO COND or DO MAIL</td>
</tr>
<tr>
<td>21</td>
<td>PIPE</td>
</tr>
<tr>
<td>22</td>
<td>STATISTICS</td>
</tr>
</tbody>
</table>

Job order scheduling will fail. The User Daily will terminate with a condition code of 08.

**Corrective Action:** Use the values of `rsn` and `field` to locate the problem in the job definition. Correct the problem and run the User Daily again.
CTM540W LOAD OF SECURITY MODULE modName FAILED. SECURITY CHECKING WILL BE BYPASSED

Explanation: Loading of the modName IOA security module failed. Possible causes are:

- The installation is not using the specified user security module, and has erased the default IOA-supplied module.
- The IOA Load library is not in the load modules search lists of the job (STEPLIB + Linklist).
- There is insufficient memory.
- Another system oriented reason which can be found in the syslog.

As a result, no security checking is performed. For more details, see the sections on Security Interface Modules appropriate security guides.

Corrective Action: Notify the INCONTROL administrator. This is a potentially serious situation. Someone may be attempting to violate security.

CTM543E ID=id TASK=taskName OID=orderId - NOT FORCED OK, JOB IS ALREADY {DELETED | CHANGED | TERMINATED}

Explanation: A request was made to force the taskName task specified in the message. By the time the monitor accepted the request, the job was running, was being changed, or had already been deleted, so the request could not be performed. This message is written to the IOA Log file only.

The user request is ignored.

Corrective Action: If the entry was DELETED, it cannot be forced. If not, wait until the job ends, and if it ends NOTOK, try to force it again.

CTM544E UNABLE TO FORCE OK A CYCLIC JOB

Explanation: The user issued line command O (Force OK) for a cyclic job. Cyclic jobs cannot be Forced OK.

The user request is ignored.

Corrective Action: No action is required.

CTM545E I/O ERROR ON "AJF". CONTROL-M SWITCHES TO DUAL "AJF"

Explanation: An I/O error occurred while the Control-M monitor accessed the Active Job File (AJF). Control-M starts using the Dual AJF (CTM ALTCKP data set) instead of the primary AJF.

The Control-M monitor continues running using the Dual AJF.

Corrective Action: To use the Dual AJF in the Control-M Active Environment screen (Screen 3), reallocate the DACKP DD statement in the online environment so that it specifies the Dual AJF instead of the primary AJF.

To return to using the primary AJF, perform the following steps:

1. Fix the problem that caused the I/O error.
2. Reallocate the AJF file if necessary.
3. Stop the Control-M monitor.
4. Copy the Dual AJF to primary AJF, using the CTMCAJF or IEBGENER utility.
5. Restart the Control-M monitor.

CTM546S "CTMPARM" USED TO FORMAT THE "AJF" DIFFERS FROM YOUR "CTMPARM"

Explanation: The CTMPARM member used by the job that formatted the Active Jobs file (AJF) differs from the online user CTMPARM member. This can occur for a variety of reasons, including the following:

- The user is migrating from one release to another.
- The user is enlarging the AJF using a STEPLIB different from the one used by the online users.
- The QNAME specified in the CTMPARM member does not match the QNAME specified in Record 0 of the AJF.

The Active Environment screen is not updated.

Corrective Action: Exit from the Control-M Online facility and reenter. If the problem recurs, contact your system programmer. Your logon procedure may point to an old CTMPARM member.

CTM547E I/O ERROR ON DUAL "AJF". USAGE OF DUAL "AJF" TERMINATED

Explanation: An I/O error occurred while the Control-M monitor accessed the Dual Active Job File (AJF) (CTM ALTCKP data set).

The Control-M monitor continues running without using the Dual AJF (CTM ALTCKP data set). No mirror AJF is supported; if errors occur in the primary AJF, no valid Active Jobs file will be available.

Corrective Action: Correct the problems that cause the I/O error. Reallocate the Dual AJF file, if needed. Stop and restart the Control-M monitor.

CTM548E SEVERE ERROR IN CALENDAR calName OR YEAR NOT FOUND IN CALENDAR

Explanation: Severe error in the calName IOA calendar. Either the year is not defined in the calendar, or the calendar has been incorrectly modified.

The job order is not issued. Processing of other job orders continues.

Corrective Action: Check the contents of the job order and the calendar.

CTM549E NO AVAILABLE "AJF" EXISTS. Control-M MONITOR SHUTS DOWN

Explanation: Control-M could not access a valid Active Jobs file (AJF) due to one of the following situations:

- An I/O error occurred when the Control-M monitor accessed the Active Job File while no Dual AJF was available.
- An I/O error occurred while the Control-M monitor accessed the Dual AJF, which was being used instead of the primary AJF because of a previous I/O error in the primary AJF.

The Control-M monitor shuts down.
**Corrective Action:** Do the following:
1. Correct the problem that caused the I/O error.
2. Reallocation the AJ F files, if needed.
3. Restart the Control-M monitor.

**CTM54DE MAXIMUM 50 INSTREAM JCL ENTRIES ALLOWED**

**Explanation:** More than 50 lines of Instream JCL were specified in the job scheduling definition.

**Corrective Action:** Reduce the number of Instream JCL lines to 50 or fewer.

**CTM54EE DAYS MUST BE BLANK, OR 000 TO 120**

**Explanation:** This message is produced when specifying a value greater than 120 in the FROM TIME + DAYS, UNTIL TIME + DAYS, or the DUE OUT TIME + DAYS job definition parameters.

The cursor remains positioned on the invalid value.

**Corrective Action:** Correct the + DAYS parameter as required.

**CTM54FE FOR JOB ENDED NOTOK, VALUE MUST BE BLANK OR K (KEEP THE RESOURCE)**

**Explanation:** For the CONTROL job definition parameter, the onFail subparameter was specified with an invalid value.

**Corrective Action:** Specify a valid value of blank or K (keep the resource).

**CTM54GE FOR JOB ENDED OK, VALUE MUST BE BLANK OR D (DISCARD THE RESOURCE)**

**Explanation:** For the RESOURCE job definition parameter, the onOK subparameter was specified with an invalid value.

**Corrective Action:** Specify a valid value of blank or D (discard the resource).

**CTM54LE TO DAYS CAN NOT BE SMALLER THAN FROM DAYS**

**Explanation:** This message is produced when the + DAYS value in the FROM TIME is greater than the + DAYS value in the UNTIL TIME job definition parameter.

The cursor remains positioned on the invalid value.

**Corrective Action:** Correct the + DAYS parameter as required.

**CTM54ME INTERNAL ERROR IN CONTROL-M. ERROR CODE = rsn**

**Explanation:** The AJ F Space Reuse Facility has encountered an internal error.
The possible values of \textit{rsn} are explained in the following table:

<table>
<thead>
<tr>
<th>\textit{rsn}</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUNCODE</td>
<td>Undefined or missing function code</td>
</tr>
<tr>
<td>M10MIF0</td>
<td>No index record pointer in AJF record 0</td>
</tr>
<tr>
<td>FINDRB0</td>
<td>Process found RBA 0 available</td>
</tr>
<tr>
<td>COMPRB0</td>
<td>Process found RBA 0 different</td>
</tr>
<tr>
<td>FINDNUM</td>
<td>Error in 'number of records' parameter</td>
</tr>
<tr>
<td>FNXTNUM</td>
<td>Error in 'number of records' parameter</td>
</tr>
<tr>
<td>FNXTRBA</td>
<td>Error in RBA parameter</td>
</tr>
<tr>
<td>FREENUM</td>
<td>Error in 'number of records' parameter</td>
</tr>
<tr>
<td>FREERBA</td>
<td>Error in RBA parameter</td>
</tr>
<tr>
<td>COMPOLM</td>
<td>Error in old MIF parameter</td>
</tr>
<tr>
<td>BADGTMN</td>
<td>GETMAIN error</td>
</tr>
<tr>
<td>BADGTM0</td>
<td>GETMAIN error</td>
</tr>
</tbody>
</table>

The AJF Space Reuse Facility is disabled.

\textbf{Corrective Action:} Do the following:

- Contact BMC Customer Support.
- To reactivate the AJF Space Reuse Facility, format or compress the AJF and recycle the Control-M monitor.

\texttt{CTM54NS "CTMPARM" USED TO FORMAT THE "HST" DIFFERS FROM YOUR "CTMPARM"}

\textbf{Explanation:} The CTMPARM member used by the job that formatted the HST differs from the online user CTMPARM member. This can occur for a variety of reasons, including the following:

- The user is migrating from one release to another.
- The user is enlarging the HST using a STEPLIB different from the one used by the online users.
- The QNAME specified in the CTMPARM member does not match the QNAME specified in Record 0 of the HST.

The History Environment screen is not updated.
Corrective Action: Exit from the Control-M Online facility and reenter. If the problem recurs, contact your system programmer. Your logon procedure may point to an old CTMPARM member.

CTM551E INVALID SCROLL AMOUNT
Explanation: Invalid scroll amount specified. The scrolling amount should be PAGE, HALF, CRSR, or MAX. For details, see the chapter that describes online facilities in the user guide for the active INCONTROL product.
Corrective Action: Correct the scroll amount field.

CTM552E INVALID DATE
Explanation: Invalid date specified. Valid date format is usually \textit{ddmmyy} or \textit{mmddyy}. In some screens, the date format is \textit{ddmm} or \textit{mmdd}.
In some cases, the date value may be valid but its value relative to another date is invalid, for example, when a FROM DATE is later than the TO DATE in the date prompt screen of the P (PLAN) option in Screen 2.
Corrective Action: Correct the DATE field or the DATE parameter as appropriate.

CTM552S GETMAIN FAILED IN CTMRSG GROUP PROCESSING
Explanation: The CTMRSG program could not allocate storage.
Group processing is terminated.
Corrective Action: Increase the region size.

CTM553E "UNTIL DATE" IS BEFORE "FROM DATE"
Explanation: UNTIL DATE is before FROM DATE.
Corrective Action: Correct either UNTIL DATE or FROM DATE.

CTM554E READ ERROR ON IOA LOG
Explanation: I/O error while reading the IOA Log file. Possible causes are:
- The file allocated to the DALOG DD statement is not the IOA Log.
- The file allocated to the DALOG DD statement is the IOA Log, but it is of a different version.
- A read disk I/O error occurred.
Corrective Action: Check the TSO log of the job for additional messages. If necessary, correct the JCL for the job or the allocations for the CLIST.

CTM555S OID=orderId INSUFFICIENT STORAGE. INCREASE THE REGION SIZE
Explanation: There was insufficient memory to perform a task.
The action that could not be performed accompanies this message. It may vary depending on the environment in which the message was issued.
**Corrective Action:** For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter, or exit one of the screens.

**CTM556I TOP OF DATA REACHED**

**Explanation:** This information message indicates that a FIND PREV command did not find another string from the current position to the top of the scrolled data.

**Corrective Action:** No action is required.

**CTM557I BOTTOM OF DATA REACHED**

**Explanation:** This information message indicates that a FIND command did not find another string from the current position to the bottom of the scrolled data.

**Corrective Action:** No action is required.

**CTM558E INTERNAL ERROR - INVALID PARAMETER TO CTMSROL**

**Explanation:** Internal error in IOA scroll routine.

**Corrective Action:** Have your INCONTROL administrator contact BMC Customer Support.

**CTM559I STRING NOT FOUND**

**Explanation:** The string specified in the FIND command is not found in the list at all in the first search from the current position, or the prefix specified in a LOCATE command is not found in the list.

**Corrective Action:** No action is required.

**CTM55AI INVALID SCROLL AMOUNT HAS BEEN ENTERED, CHANGED TO THE PREVIOUS VALUE**

**Explanation:** An invalid value has been entered in the SCROLL field.

Valid values are:
- **PAGE** - to scroll a full page
- **HALF** - to scroll a half page
- **CRSR** - to scroll by cursor position
- **MAX** - to scroll the maximum amount available

The scroll amount is changed to the last valid value.

**Corrective Action:** No action is required.

**CTM560I PLEASE SPECIFY A VALID FIND STRING**

**Explanation:** A FIND or LOCATE command was specified without a string. The string cannot contain blanks.

**Corrective Action:** No action is required.
CTM561E INTERNAL ERROR - INVALID RETURN CODE FROM CTMSROL

**Explanation:** Internal error in IOA scroll routine.

**Corrective Action:** Have your INCONTROL administrator contact BMC Customer Support.

CTM562E ADD OPTION INVALID FOR NEGATIVE CONDITIONS

**Explanation:** In screen 3.? (Scheduling Analysis), the A (Add) option is not valid for negative (inverted) conditions. Negative conditions may only be deleted.

**Corrective Action:** Correct the option and try again.

CTM563E DELETE OPTION ONLY VALID FOR NEGATIVE CONDITIONS

**Explanation:** In screen 3.? (Scheduling Analysis), the D (Delete) option is only valid for negative (inverted) conditions. Use the A (Add) option for regular conditions.

**Corrective Action:** Correct the option and try again.

CTM564E READ ERROR ON IOA CONDITIONS FILE

**Explanation:** Internal error reading the IOA Conditions file.

**Corrective Action:** Have your INCONTROL administrator contact BMC Customer Support.

CTM566E INVALID OPTION

**Explanation:** Invalid option specified in the field.

**Corrective Action:** Correct the option and try again.

CTM567E USER NOT AUTHORIZED

**Explanation:** The function requested is not authorized for the user. The message is issued by the IOA security mechanism.

**Corrective Action:** Check with your system security administrator.

CTM567I COND cond ODATE odate {ADDED | DELETED | FOUND} BY USER userId / jobName (jobId)

**Explanation:** This information message indicates that the ADD, DELETE, or CHECK option completed successfully and the cond condition with the odate original scheduling date was added to or deleted from, or found in the IOA Conditions file.

In this message, odate is the date on which the message is issued. If the ADD, DELETE, or CHECK option is run by the IOACND utility in batch mode, the user ID (userId), job name (jobName), and job ID (jobId) of the batch file are also displayed.

**Corrective Action:** No action is required.
**CTM568E MISSING PARAMETER OF ADD REQUEST**

**Explanation:** The ADD command was supplied without an additional parameter. At least one parameter is expected after the ADD command. The valid parameters are COND, LCOND, CONDITION, CONTROL, or RESOURCE.

**Corrective Action:** Supply the correct command parameter.

**CTM569E INVALID TYPE IN ADD REQUEST**

**Explanation:** Invalid ADD type supplied. At least one parameter is expected after the ADD command. The valid parameters are COND, LCOND, CONDITION, CONTROL, or RESOURCE.

**Corrective Action:** Specify the requested ADD type.

**CTM571E PFK UNDEFINED**

**Explanation:** You have pressed an undefined PFkey.

**Corrective Action:** Type the SHPF command and press Enter to see the PFkey assignments in the current screen.

**CTM572E AMBIGUOUS COMMAND**

**Explanation:** There is more than one command starting with the specified abbreviation. The abbreviated command is too short to identify a specific command. When the cursor is positioned in the COMMAND field, command abbreviations are represented on the Help line by the highlighted letter or letters.

**Corrective Action:** Specify the correct abbreviation.

**CTM573E INVALID DATA ON PFK MEMBER OR COMMAND MEMBER**

**Explanation:** An error occurred in an IOA command or PFK member. The IOA Online facility is controlled by command members and PFKs members. The members are located in the IOA PARM library. Possible causes are:

- The data set allocated to DD statements DACMDLIB, DAPFLIB is not the IOA PARM library.
- Somebody erroneously modified the IOA command (PFK) members of this screen.
- An internal IOA error. This is not likely.

The current screen is locked. No command can be entered.

**Corrective Action:** Press PA1 or RESET at least 20 times. If this does not abort the IOA online interface, the computer operator will have to cancel the TSO session. To resolve the problem do the following:

1. Correct the allocations of the IOA Allocation Parameter on the IOA PARM library.
2. Ask for help from your INCONTROL administrator, who probably knows what was modified in the command member and how to restore the old copy. For more information, see the *INCONTROL for z/OS Installation Guide*.
3. Try again. If the problem continues, contact BMC Customer Support.
CTM574E UNRECOGNIZED COMMAND

Explanation: The command that appears in the command window is not a valid command under this screen.

Corrective Action: Type the correct command syntax and press Enter.

CTM575E INVALID PARAMETERS - SCREEN DOES NOT EXIST

Explanation: Internal error in Control-M or Control-D screen or commands management routines. Possible causes are:
- The IOA command member of the screen was incorrectly modified. The reserved areas in the command line description were altered.
- Internal IOA error.

The current screen is locked. No command can be entered.

Corrective Action: Press PA1 or RESET at least 20 times. If this does not escape the IOA Online interface, the computer operator must cancel the TSO session. To resolve the problem, do the following:
1. Restore the original command member. For more information, see the INCONTROL for z/OS Installation Guide.
2. Try again. If the problem continues, contact BMC Customer Support.

CTM576E INVALID COMMAND

Explanation: The command in the command window is not valid for this screen.

Corrective Action: Type the correct command syntax and press Enter.

CTM577E UNABLE TO ACCESS PFK MEMBER

Explanation: The IOA Online facility failed to access the PFK member of this screen. The IOA Online facility is controlled by command members and PFKs members. The members are located in the IOA PARM library. Possible causes are:
- The data set allocated to the DAPF DD statement is not the IOA PARM library.
- Someone erroneously modified the IOA PFK member or members of this screen.
- The PFK member of this screen is not in the library described by the DAPFLIB DD statement. It may have been renamed during local adaptation.
- The REGION size is exhausted, during an open command.
- Internal IOA error.

You will be locked in the current screen without the ability to enter any command.

Corrective Action: Press PA1 or RESET at least 20 times. If this does not abort the IOA online interface, the computer operator will have to cancel the TSO session. To resolve the problem, do the following:
1. Correct the allocations of the IOA Allocation Parameter on the IOA PARM library.
2. Have your INCONTROL administrator look at the PFK member to undo what was modified, or restore the old copy. For more information, see the INCONTROL for z/OS Installation Guide.
3. Restore the member from the original IOA PARM library.

4. Increase the size of your TSO logon procedure. If you work with ISPF and IOA on the same terminal concurrently, we recommend a 2-3MB region size.

5. Try again. If the problem continues, contact BMC Customer Support.

**CTM578E UNABLE TO INITIALIZE COMMANDS ENVIRONMENT**

**Explanation:** The IOA Online facility failed to access the command member of this screen. The IOA Online facility is controlled by command members and PFKS members. The members are located in the IOA PARM library. Possible causes are:

- The data set allocated to the DACMD DD statement is not the IOA PARM library.
- Someone has erroneously modified the IOA command member of this screen.
- The command member of this screen does not exist in the library described by the DACMD DD statement. It may have been renamed during local adaptation.
- The REGION size has been exhausted (during an open command).
- Internal IOA error.

The current screen is locked. No command can be entered.

**Corrective Action:** Press PA1 or RESET at least 20 times. If this does not abort the IOA online interface, the computer operator will have to cancel the TSO session. To resolve the problem, do the following:

1. Correct the allocations of the IOA Allocation Parameter on the IOA PARM library.
2. Check that the product parameters in IOAPARM match the products which are installed.
3. Ask your INCONTROL administrator, who probably knows what was modified, to restore the old copy. For more information, see the INCONTROL for z/OS Installation Guide.
4. Restore the member from the original IOA PARM library.
5. Increase the size of your TSO logon procedure. If you are working with ISPF and IOA on the same terminal concurrently, we recommend 2-3MB region size.
6. Try again. If the problem continues, contact BMC Customer Support.

**CTM579E INVALID PARAMETERS TO COMMAND ANALYZER**

**Explanation:** Internal IOA Online facility error.

**Corrective Action:** Press PA1 or RESET at least 20 times. If this does not abort the IOA Online interface, your computer operator will have to cancel the TSO session. Try again. If the problem continues, contact BMC Customer Support.

**CTM57AE CONTROL-M IS ACTIVE IN COMPATIBILITY MODE, OPTION NOT ALLOWED**

**Explanation:** The Control-M compatibility mode in the IOAPARM is 2 (MODECTM=3). This option is new and requires that Control-M be set to no compatibility mode (MODECTM=3).

The option is disabled.
**Corrective Action:** No action is required.

**CTM580E INVALID RETURN CODE FROM COMMAND ANALYZER**

**Explanation:** Internal IOA Online facility error.

**Corrective Action:** Press PA1 or RESET at least 20 times. If this does not abort the IOA Online interface, the computer operator will have to cancel the TSO session.

Try again. If the problem continues, contact BMC Customer Support.

**CTM581S OPEN OF IOA SYNCHRONIZATION FILE FAILED. DDNAME "DASINC"**

**Explanation:** Open of IOA Conditions Synchronization file failed (DD statement DASINC). Possible causes are:

- The DASINC DD statement is missing.
- The file allocated to the DASINC DD statement is not the IOA Synchronization file.
- The file allocated to the DASINC DD statement Synchronization file, but it is of a different version or of a different Control-M monitor.

**Corrective Action:** Correct the JCL for the job or the allocations for the CLIST.

**CTM582S INVALID REQUEST PASSED TO CTMURS ROUTINE**

**Explanation:** The CTMURS IOA internal utility received an invalid request. For example, the CHANGE command was used for an undefined resource.

The requested function is not performed.

**Corrective Action:** Contact your system programmer. If necessary, prepare the Control-M monitor full output and contact BMC Customer Support.

**CTM583S INTERNAL ERROR - INVALID RESOURCE TYPE (CTMURS). NOTIFY THE IOA ADMINISTRATOR**

**Explanation:** Internal error. Invalid resource type passed to the CTMURS IOA internal utility.

The function requested is not performed.

**Corrective Action:** Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

**CTM584E COND cond ODATE odate DOES NOT EXIST**

**Explanation:** The condition marked for deletion (option D) was already deleted from the IOA Conditions file, while you were working on the screen by another IOA user or IOA monitor.

This message may also be issued when:
You are not using an enqueue management product or have not specified a QNAME to the enqueue product. An enqueue product synchronizes requests to the IOA Conditions file.

You enlarged the IOA Conditions file incorrectly. For example, you did not use the IOACCND utility or you failed to update the IOAPARM that indicates that the file was enlarged (CNDREC#).

**Corrective Action:** Correct the condition that caused the error.

CTM585E AT LEAST ONE OF "CONTROL", "RESOURCE" OR "CONDITION" MUST BE "Y"

**Explanation:** None of the CONTROL, RESOURCE, or CONDITION options has been marked as Y.

**Corrective Action:** Mark at least one of the retrieval options as Y.

CTM586S OPEN OF IOA CONDITIONS FILE FAILED. DDNAME "DACNDSF"

**Explanation:** Open of IOA Conditions file failed (the DACNDF DD statement). Possible causes are:

- The DACNDF DD statement is missing.
- The file allocated to the DACNDF DD statement is not an IOA Conditions file.
- The file allocated to the DACNDF DD statement is the IOA Conditions file, but it is of a different version or of a different IOA Installation.

**Corrective Action:** Correct the JCL for the job or the allocations for the CLIST.

CTM587I COND cond ODATE odate ALREADY EXISTS

**Explanation:** A condition added using the ADD command already exists in the file. The addition request is ignored.

**Corrective Action:** No action is required.

CTM589E CONDITIONS FILE IN USE. PLEASE TRY AGAIN LATER

**Explanation:** Another user is currently updating the file. The file is momentarily in use by another user or by one of the IOA monitors. The command requested is not performed.

**Corrective Action:** Try again.

CTM590E PLEASE SPECIFY CONDITION/RESOURCE NAME

**Explanation:** Missing condition or resource name in ADD command window.

**Corrective Action:** Specify the missing condition or resource name.

CTM591I PLEASE USE THE "ADD" COMMAND

**Explanation:** An A line command has been specified for a condition or resource name. Only an ADD primary command can be used to add a condition or resource.

**Corrective Action:** Use the ADD command in the commands window.
CTM592E ONLY ONE OPTION AT A TIME

**Explanation:** More than one option has been specified. Only one option is allowed for each **Enter**.

**Corrective Action:** Select only one option.

CTM593E INVALID OPTION. SPECIFY EITHER "Y" OR "N"

**Explanation:** Invalid retrieval criteria option. The valid options are either Y for Yes, or N for No.

**Corrective Action:** Select Y or N.

CTM594E ONLY TRAILING BLANKS ALLOWED

**Explanation:** The condition or resource name contains embedded blanks. A condition or resource name cannot contain embedded blanks.

**Corrective Action:** Correct the condition or resource name.

CTM595E UNEXPECTED RETURN CODE FROM CTMURS. SEE MESSAGES AND CODES

**Explanation:** Internal error. Invalid return code from the CTMURS IOA internal utility. The function requested is not performed.

**Corrective Action:** Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

CTM596E ADD OF COND cond ODATE odate FAILED. FILE IS FULL

**Explanation:** *Highlighted, unrollable message.*

The Conditions file is full.

The condition is not added to the file.

**Corrective Action:** Try to manually delete conditions from the specified day of the odate, but in other months. If you need all the conditions in the file, ask your system programmer to increase the capacity of the IOA Conditions file. Also, run the IOACLND utility periodically to erase unnecessary conditions from the Conditions file and prevent the problem.

CTM597E INVALID CONTROL-TYPE. USE "E" - EXCLUSIVE OR "S" - SHARED

**Explanation:** Invalid control type specified in the ADD Control-command window. A control type should be E for exclusive or S for shared.

**Corrective Action:** Correct the control type field.

CTM598I CONTROL-RESOURCE resourceName ALREADY EXISTS

**Explanation:** A control resource being added by means of the ADD command already exists in the file. The addition request is ignored.
Corrective Action: No action is required.

CTM599E ADD OF CONTROL-RESOURCE resourceName FAILED. FILE IS FULL

Explanation: Highlighted, unrollable message.

The Control-M Resources file is full.

The control resource is not added to the file.

Corrective Action: Consult your system programmer about the possibility of increasing the capacity of Control-M Resources file. It is not clear to us why a user would want to add a control resource. Call BMC Customer Support for advice.

CTM5A1E OPEN OF CONTROL-M STATISTICS FILE FAILED.
RC=VSAM_return_code ERROR=VSAM_reason_code

Explanation: Error when trying to open the Control-M Statistics File for updating the Jobs Counting data. If the Control-M Statistics File was already successfully opened previously, then the error is considered as recoverable and Control-M tries to later update the Jobs Counting data. However, if it was the first attempt to open the Control-M Statistics File, then the error is considered as unrecoverable and Jobs Counting Facility is terminated (message CTM5A3E issued).

Corrective Action: If the message is issued frequently or the message CTM5A3E is also issued (Jobs Counting Facility is terminated) then contact IOA Technical support.

CTM5A2E ERROR IN operation JOB ACCOUNTING RECORD.
RC=VSAM_return_code ERROR=VSAM_reason_code

Explanation: Error when trying to process the Jobs Counting Record (in the Control-M Statistics File) for accessing/updating the Jobs Counting data. The Jobs Counting Facility is terminated, the message CTM5A3E is issued.

Corrective Action: Contact IOA Technical support.

CTM5A3E JOB ACCOUNTING FACILITY TERMINATED

Explanation: The Jobs Counting Facility is terminated as the result of an error in accessing the Control-M Statistics File or the Jobs Counting Record in that file. It is preceded by the CTM5A1E or CTM5A2E message.

Corrective Action: Contact IOA Technical support.

CTM5A4W JOB ACCOUNTING RECORD NOT FOUND

Explanation: The message is issued by the Jobs Counting Report Utility when it detects that the Jobs Counting Record (which would contain the Jobs Counting Data) does not exist in the Control-M Statistics File. Usually it means that the Jobs Counting Facility was not activated or it was terminated and the corresponding error messages (CTM5A1E / CTM5A2E / CTM5A3E) will be issued by Control-M Monitor.

Corrective Action: Check the job log of Control-M Monitor and contact IOA Technical support.
**CTM5A5W JOB ACCOUNTING RECORD IS EMPTY**

**Explanation:** The message is issued by the Jobs Counting Report Utility when it detects that the Jobs Counting Record (which would contain the Jobs Counting Data) is empty. Usually it means that the Jobs Counting Facility was not activated or it was terminated and the corresponding error messages (CTM5A1E / CTM5A2E / CTM5A3E) will be issued by Control-M Monitor.

**Corrective Action:** Check the job log of Control-M Monitor and contact IOA Technical support.

**CTM5B1I RECOVERY PROCEDURE INVOKED TO PREVENT DUPLICATE JOB PROCESSING**

**Explanation:** During the start of Control-M monitor, it was detected that the previous monitor execution terminated abnormally and there are jobs whose processing might cause duplicate submissions or DO FORCEJOB execution. The Recovery Mode processing is invoked. It will scan the IOA LOG, extract information regarding the jobs whose statuses are ambiguous and set their statuses appropriately. In a CTMPLEX environment, this message can be issued not only during the start of Control-M monitor, but it can also be issued by the Global monitor if it detects a Coupling Facility failure or the abnormal termination of any Local monitor. The message can be also issued by a Local monitor when it switches to Global as a result of an abnormal termination of the previous Global.

For a general description about the Control-M Recovery Facility, see the Recovery Tools sub-section in Chapter 3, Control-M, in the INCONTROL for z/OS Administrator Guide. For more information about the installation parameters, RECENA and RECLEVEL, which control the Recovery Mode processing, see Chapter 2, Customizing Control-M, in the INCONTROL for z/OS Installation Guide: Customizing.

**Corrective Action:** Check the following messages issued by the Recovery Mode processing. Some messages indicate customer analysis and manual intervention might be required.

**CTM5B2I JOB member_name / Order_ID PUT IN SUBMITTED STATUS BY RECOVERY PROCEDURE**

**Explanation:** The Control-M Recovery processing analyzed the job in WAIT SUBMISSION status to prevent duplicate job submission. As a result of the analysis of the IOA LOG, the procedure detected that the job has already been submitted (before the Control-M abnormal termination) and extracted its JOBNAME and JOBID from the IOA LOG. The job is automatically put into SUBMITTED status so that Control-M can continue tracking and performing the regular Post Processing when the job finishes.

For a general description about the Control-M Recovery Facility, see the Recovery Tools sub-section in Chapter 3, Control-M, in the INCONTROL for z/OS Administrator Guide. For more information about the installation parameters, RECENA and RECLEVEL, which control the Recovery Mode processing, see Chapter 2, Customizing Control-M, in the INCONTROL for z/OS Installation Guide: Customizing.

**Corrective Action:** No user action required.

**CTM5B3W JOB member_name / Order_ID PUT IN HOLD BY RECOVERY PROCEDURE TO PREVENT DUPLICATE action**

**Explanation:** Control-M Recovery processing placed the job into HOLD status because it detected the possibility of duplicate submission or DO FORCEJOB execution and the analysis of the IOA LOG did not determine the job status at the moment of the Control-M abnormal termination. 'action' can either be 'SUBMISSION' or 'FORCEJOB'.
For a general description about the Control-M Recovery Facility, see the Recovery Tools sub-section in Chapter 3, Control-M, in the INCONTROL for z/OS Administrator Guide. For more information about the installation parameters, RECENA and RECLEVEL, which control the Recovery Mode processing, see Chapter 2, Customizing Control-M, in the INCONTROL for z/OS Installation Guide: Customizing.

**Corrective Action:** Check the actual status of the indicated job. If the job was not submitted or no DO FORCEJOB executed before the Control-M abnormal termination, then FREE the job so that Control-M can submit the job or execute its DO FORCEJOB.

If the job was already submitted or at least some of its DO FORCEJOB were already executed before the Control-M abnormal termination, more detailed analysis and manual actions are required. Check the results of the job execution (for the job put into HOLD to prevent duplicate submission) or check the DO FORCEJOB executed (for the job put into HOLD to prevent duplicate DO FORCEJOB). The customer might then have to manually make up the Post Processing actions according to the jobs execution results (for example, adding OUT CONDITIONS). In some situations the Force OK request might be applicable here.

CTM5B4W  number  JOBS PUT IN HOLD STATUS BY RECOVERY PROCEDURE TO PREVENT DUPLICATE ACTIONS

**Explanation:** Control-M Recovery processing placed number jobs into HOLD status because it detected the possibility of their duplicate submission or DO FORCEJOB execution and the analysis of the IOA LOG did not determine the job statuses at the moment of the Control-M abnormal termination. The CTM5B3W messages, which were issued before CTM5B4W, indicate the jobs put into HOLD statuses.

For a general description about the Control-M Recovery Facility, see the Recovery Tools sub-section in Chapter 3, Control-M, in the INCONTROL for z/OS Administrator Guide. For more information about the installation parameters, RECENA and RECLEVEL, which control the Recovery Mode processing, see Chapter 2, Customizing Control-M, in the INCONTROL for z/OS Installation Guide: Customizing.

**Corrective Action:** Analyze the previous CTM5B3W messages and handle the jobs listed by these messages as explained in the User Action part for CTM5B3W.

Messages CTM600 through CTM6xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTM600I CONTROL-RESOURCE resourceName (CONTROL-type) action

**Explanation:** This information message indicates that as a result of an ADD or DELETE option, the resourceName control resource of Control-type was either deleted from the Control-M Resources file, or added to the Control-M Resources file.

**Corrective Action:** No action is required.

CTM601E CONTROL-RESOURCE resourceName (CONTROL-type) DOES NOT EXIST

**Explanation:** The control resource marked for deletion (D option) was already deleted from the Control-M Resources file. While you were working on the screen, another user or one of the IOA monitors deleted the control resource from the Control-M Resources file.

**Corrective Action:** No action is required.
CTM602E QUANTITY MUST BE A FOUR DIGIT NUMBER
Explanation: An invalid quantity specified in the window. Quantity must be a 4-digit number.
Corrective Action: Correct the quantity field.

CTM603E QUANTITATIVE RESOURCE resourceName IN USE - CANNOT DELETE
Explanation: The resourceName quantitative resource is in use by an active job under Control-M. Therefore, the resource cannot be deleted.
The resource is not deleted.
Corrective Action: Wait until the job finishes executing, and try again.

CTM604E FILE IS FULL. CANNOT ADD QUANTITATIVE RESOURCE resourceName
Explanation: Highlighted, unrollable message.
The Control-M Resources file is full.
The resourceName quantitative resource is not added to the file.
Corrective Action: Consult your system programmer about the possibility of increasing the capacity of the Control-M Resources file.

CTM605I QUANTITATIVE RESOURCE resourceName ALREADY EXISTS
Explanation: A quantitative resource (resourceName) being added using the ADD command already exists in the file.
The addition request is ignored.
Corrective Action: No action is required.

CTM606E QUANTITATIVE RESOURCE resourceName DOES NOT EXIST
Explanation: The resourceName quantitative resource that was marked for deletion (the D option) was already deleted from the Control-M Resources file. While you were working on the screen, another Control-M user deleted the quantitative resource from the Control-M Resources file.
Corrective Action: Check who did it and why (by entering the IOA Log screen).

CTM607I QUANTITATIVE RESOURCE resourceName action
Explanation: As a result of an ADD or DELETE option, the resourceName quantitative resource has been deleted from the Control-M Resources file, or added to the Control-M Resources file.
Corrective Action: No action is required.

CTM608E ONLY QUANTITATIVE RESOURCES MAY BE CHANGED
Explanation: A change request was issued for a condition or a control resource. The change option can be specified only in order to change the quantity of a quantitative resource.
The change request is ignored.

**Corrective Action:** No action is required.

**CTM609E SIGN OF QUANTITY MUST BE EITHER "+", "- " OR BLANK**

**Explanation:** Invalid sign of quantity change in the CHANGE window. The quantity sign must be "-" for subtracting the amount from the maximum available quantity, "+" for adding the amount to the maximum available quantity, or blank for setting a new quantity.

**Corrective Action:** Supply the correct sign.

**CTM60AE CONTROL RESOURCE res (E) HELD BY A JOB, OR TYPE MISMATCH**

**Explanation:** This message is issued when the IOACND utility fails to delete control resource res from the Control-M Resources file. The specified control exists in the Control-M Resources file but the IOACND utility cannot delete it for one of the following reasons:

- The control was created by a running job. The IOACND utility can only delete controls added by IOACND or screen 4 (RBA 0000 controls).
- The type specified in the Delete statement (E/S) does not match the type of the control in the file.

**Corrective Action:** No action is required.

**CTM610E VALUE OF CHANGE IS NEGATIVE OR MORE THAN 9999**

**Explanation:** The quantity resulting from the CHANGE operation is either negative, or more than 9999. The change request is ignored.

**Corrective Action:** Try again with a correct value.

**CTM611E INTERNAL ERROR. INVALID RETURN CODE FROM CTMURS**

**Explanation:** Internal error. Invalid return code from the CTMURS IOA internal utility.

**Corrective Action:** Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

**CTM612I QUANTITY OF RESOURCE resourceName CHANGED quant === > snnnn**

**Explanation:** As a result of a change command, the quantity of the resourceName resource changed from quant by snnnn (s is the sign).

**Corrective Action:** No action is required.

**CTM613E DEL OF RESOURCE res FAILED**

**Explanation:** IOACND was asked to delete the res resource, but the resource was not found in the RES file.

The resource is not deleted.
Corrective Action: Check if the correct resource was specified, and if it was not, specify the correct resource.

CTM613I DELETE OF ARCHIVED SYSOUTS STARTED

Explanation: This information message indicates that the New Day procedure started deleting archived SYSDATA sysouts.

Corrective Action: No action is required.

CTM613S modName INTERNAL ERROR, R15=rsn, RC=rc

Explanation: An internal error was detected in the modName module. The Application Server becomes unstable.

Corrective Action: Stop and restart IOAGATE and the Application Server CTOGATE. If the error persists, contact BMC Customer Support.

CTM614I DELETE OF ARCHIVED SYSOUTS ENDED

Explanation: This information message indicates that the New Day procedure finished deleting archived SYSDATA sysouts.

Corrective Action: No action is required.

CTM615W DELETION OF num ARCHIVED SYSOUT DATASET(S) FAILED

Explanation: Some Archived Sysout Data Sets were not deleted by the Control-M New Day procedure or during compression of the Control-M Active Jobs file. This message follows other messages that explain the nature of the error for each archived sysout data set.

The Control-M New Day procedure or CTMCOP utility continues processing.

Corrective Action: See the messages that precede this message for the reasons for deletion failure.

CTM617E INTERNAL ERROR - INVALID NAME OF THE ARCHIVED SYSOUT DATASET. DSNAME=dsn

Explanation: The name of Archived Sysout Data Set does not follow the Control-M/Restart naming conventions for this type of data set. This message is issued either by the Control-M New Day procedure, or by the CTMCOP utility, during compress of the Control-M Active Jobs file.

Corrective Action: Contact BMC Customer Support for assistance.

CTM618E TOO MANY SYSOUT DATASETS SCHEDULED FOR DELETE - SOME WILL BE SKIPPED THIS TIME

Explanation: The number of Archived Sysout Data Sets scheduled for deletion exceeds the permitted number. This message is issued either by the Control-M New Day procedure or by the CTMCOP utility during compress of the Control-M Active Jobs file. The permitted value is one fifth of the Active Jobs file size.
Deletion of Archived Sysout Data Sets will be resumed during the next run of the Control-M New Day procedure or the CTMCOP utility.

**Corrective Action:** No action is required.

**CTM618S** ERROR IN SYSPLEX QUERY, MOD=modName, RC=rc/rsn

**Explanation:** An Sysplex query error was detected in the modName module.

The Application Server becomes unstable.

**Corrective Action:** Stop and restart IOAGATE and the Application Server CTOGATE. If the error persists, contact BMC Customer Support.

**CTM619I** IOANOTE YOU HAVE NOT ENTERED A MESSAGE PARAMETER !

**Explanation:** When executing the IOANOTE utility, no message was specified in the PARM of the JCL EXEC statement or no PARM was specified on the JCL EXEC statement.

The utility terminates with a return code of 4.

**Corrective Action:** Add a message in the PARM of the EXEC JCL statement.

**CTM621E** THE UTILITY CTMRELRS MAY BE ACTIVATED ONLY FROM BATCH JOBS

**Explanation:** The CTMRELRS utility (the CTMRLR program) has been activated from a started task or from a TSO session. The CTMRELRS utility may be activated only from batch jobs which are submitted by the Control-M monitor.

The CTMRELRS utility stops executing with a condition code of 04. The resource is not released.

**Corrective Action:** For usage restriction of the utility, see the INCONTROL for z/OS Utilities Guide.

**CTM622E** THIS JOB WAS NOT SUBMITTED FROM CONTROL-M. THE RESOURCE IS NOT RELEASED

**Explanation:** The CTMRELRS utility (the CTMRLR program) was activated from a job that was not submitted by the Control-M monitor. Only a job that is submitted by the Control-M monitor can release its own quantitative resources.

The CTMRELRS utility stops executing with a condition code of 04. The resource is not released.

**Corrective Action:** For more information on usage restriction of the utility, see the INCONTROL for z/OS Utilities Guide.

**CTM623I** QUANTITATIVE RESOURCE resourceName - quant RELEASED

**Explanation:** This information message indicates that the quant quantity of the resourceName quantitative resource has been released for general use, or has been changed by the CTMRLRES utility. The specified action is either RELEASED or CHANGED.

**Corrective Action:** No action is required.
CTM625S INVALID FUNCTION. USE "RELEASE"

**Explanation:** Invalid function supplied as a parameter to the CTMRELRS utility.
The CTMRELRS utility stops executing with a condition code of 04. The resource is not released or changed.

**Corrective Action:** Specify either the RELEASE or CHANGE function for the utility.

CTM627E YOU CANNOT RELEASE MORE `resourceName` THAN THOSE ALLOCATED TO THIS JOB

**Explanation:** The quantity requested to be released by the job using the CTMRELRS utility is greater than the quantity of the resource currently allocated to the job.
The utility stops executing with a condition code of 04. The resource is not released.

**Corrective Action:** Correct the parameters of the utility.

CTM628E RESOURCE `resourceName` IS NOT ALLOCATED TO THIS JOB

**Explanation:** The quantitative resource to be released by the CTMRELRS utility is not allocated at all to the job that activates the utility.
A job can only release resources which are allocated to it.
The utility stops executing with a condition code of 04. The resource is not released.

**Corrective Action:** For more information on usage restriction of the utility, see the *INCONTROL for z/OS Utilities Guide*.

CTM629S OPEN OF PARAMETER LIST FAILED. DDNAME "DARELIN"

**Explanation:** Open of control statements file failed (the DARELIN DD statement in the CTMRELRS utility).
Possible causes are:
- The DARELIN DD statement is missing.
- The data set described by the DARELIN DD statement does not exist, or cannot be opened for sequential read, or the record length is not 80.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the job and run it again.

CTM630E YOU CANNOT INCREASE THE NUMBER OF `quantResourceName` ALLOCATED TO THIS JOB

**Explanation:** The quantity requested to be changed using the CTMRELRS utility is greater than the quantity of the resource currently allocated to the job. The CTMRELRS utility can only be used to decrease the quantity of the resource allocated to a job.
The utility stops executing with a condition code of 4. The resource amount allocated to the job is not changed.

**Corrective Action:** Correct the parameters of the job.
CTM630S OPEN OF PARAMETER LIST FAILED. DDNAME "DACNDIN"

**Explanation:** Open of control statements file failed (the DACNDIN DD statement in the IOACND utility or program).

It may be due to one of the following:
- The DACNDIN DD statement is missing.
- The data set described by the DACNDIN DD statement does not exist, or cannot be opened for sequential read, or the record length is not 80.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the job or the CLIST, and run it again.

CTM631E RESOURCE quantResource WAS NOT FOUND IN THE RESOURCE FILE

**Explanation:** The quantResource Quantitative resource does not exist. The missing resource was named as input to the CTMRLR program.

**Corrective Action:** Ensure that the name of the resource specified as input to the program matches the resource name in the job scheduling definition.

CTM631S INVALID FORMAT OF INPUT PARAMETERS

**Explanation:** Severe syntax error in the parameters to the IOACND or CTMRELRS utility.

The utility stops executing with a condition code of 12. The condition is not added, deleted, or released.

**Corrective Action:** Correct the parameters and reactivate utility.

CTM632S INVALID DATE FORMAT

**Explanation:** Invalid date format in ADD COND or DELETE COND statement (the IOACND utility or program). The date format should be mmdd or ddmm, depending on the site standard.

The utility stops executing with a condition code of 12. The condition is not added or deleted.

**Corrective Action:** Correct the parameters and reactivate utility.

CTM633S INTERNAL ERROR IN IOACNP. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal error in the IOACND and CTMRELRS utilities.

The utility stops executing with a condition code of 12. The condition is not added, deleted, or released.

**Corrective Action:** Call your IOA administrator for assistance.

CTM634S OPEN OF PRINT FILE FAILED. DDNAME "DAPRINT"

**Explanation:** Open of messages file failed in the IOACND and CTMRELRS utilities. Possible causes are:
- The DAPRINT DD statement is missing.
- The data set allocated to the DAPRINT DD statement cannot be opened for sequential write.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the JCL for the job or the CLIST and run it again.

**CTM635E INVALID FUNCTION. USE ADD/DELETE/CHECK**

*Explanation:* An invalid function has been passed to the IOACND utility.

Valid functions are ADD, DELETE or CHECK.

The utility stops executing with a condition code of 12. The condition is not added, deleted, or released.

**Corrective Action:** Correct the parameters syntax and reactivate.

**CTM636E INVALID FUNCTION OR FUNCTION NOT SUPPORTED YET**

*Explanation:* An attempt was made to add or delete a Quantitative Resource or Control Resource using the IOACND utility. These are privileged operations for Control-M or Control-D support personnel.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameters syntax and reactivate.

**CTM637E LOAD OF PROGRAM "CTMRS0" FAILED**

*Explanation:* An attempt to load the CTMRS0 program failed.

**Corrective Action:** Check that the name of the load library is correct. If that does not solve the problem, contact your INCONTROL Administrator.

**CTM638E FUNCTION "RDIF" OF PROGRAM "CTMRS0" FAILED**

*Explanation:* The IOACND utility failed in one of the initialization steps of the Control-M Resources file. Either the file accessed is not a valid Resources file, or the Resources file is being formatted.

The utility stops with a return code of 16.

**Corrective Action:** Ensure that the DARESF DD statement points to a valid resource file, and that the file is not corrupted.

**CTM639E TABLE DOES NOT EXIST - TABLE NOT SAVED**

*Explanation:* You are trying to save a table that does not exist.

The table is not saved.

**Corrective Action:** To save a new production parameters table, erase the Y in the SAVE field, enter Y in the CREATE field, and press Enter.

**CTM639S ACTIVE JOBS FILE (CKP) SIZE - PARM TABLE MISMATCH**

*Explanation:* The CKPSIZE parameter in CTMPARM is not the same as when the Active Jobs file (AJF) referenced by the DACKPT DD statement was formatted. A change was made in the CKPSIZE parameter in CTMPARM after the Active Jobs file was formatted.
The job step or request terminates without performing the requested function.

**Corrective Action:** Adjust the CKPSIZE parameter according to the real size of the AJF, or reformat the AJF.

**CTM639W LOG WRAP AROUND HAS BEEN DETECTED. SOME MESSAGES MAY BE LOST**

**Explanation:** While looking at a certain part of the IOA Log file, an IOA component updated that part of the Log. When the IOA Log file is full, a wraparound is performed and new records are written starting at the top of the Log. If you are at the top of the Log, a wraparound might cause some messages to be lost.

The Online facility issues a warning to inform of the possible loss of messages.

**Corrective Action:** No action is required.

**CTM63BI WISH WI2232 IS ENABLED - UPPERCASING CONDITION NAME**

**Explanation:** This information message is generated by the IOACND utility when optional wish WI2232 is applied.

The IOACND utility translates a condition name from the PARM= parameter in the EXEC card of this utility to upper case.

**Corrective Action:** No action is required.

**CTM640E INVALID VALUE. USE "Y" OR "N"**

**Explanation:** Invalid value specified in the field. The cursor points to the field that contains the invalid value.

**Corrective Action:** Enter either Y for yes, or N for no.

**CTM641E AT LEAST ONE MESSAGE TYPE MUST BE "Y"**

**Explanation:** No MESSAGE TYPE field has been marked for selection (Y). At least one of the MESSAGE TYPES must be marked as Y.

**Corrective Action:** Enter Y for at least one MESSAGE TYPE.

**CTM641S INVALID JOB RECORD DETECTED: jobName**

**Explanation:** A job record with an invalid format was detected during the New Day procedure. If the User Daily is run on a different computer without proper ENQ distribution software, such as GRS or MIM, a faulty record may be created in the Active Jobs file.

The faulty record is erased from the Active Jobs file.

**Corrective Action:** To avoid this problem, run all User Daily procedures on the CPU in which the Control-M monitor is running.

**CTM642E ONLY TRAILING BLANKS ALLOWED IN FIELD**

**Explanation:** The field contains leading blanks or two strings separated by blanks. Leading or embedded blanks are not allowed in this field.
The cursor points to the first blank.

**Corrective Action:** Correct the field contents.

**CTM643E AT LEAST ONE URGENCY TYPE MUST BE "Y"**

**Explanation:** No URGENCY field was marked for selection (Y). At least one of the URGENCY fields must be marked Y.

**Corrective Action:** Enter Y for at least one URGENCY field.

**CTM644E AT LEAST ONE TASK TYPE MUST BE "Y"**

**Explanation:** No TASK TYPE field has been marked for selection (Y). At least one of the TASK TYPEs must be marked Y.

**Corrective Action:** Enter Y for at least one TASK TYPE.

**CTM645I MONITOR USER PGM APPLID TERMINAL START LASTUSED ST**

**Explanation:** After an operator DISPLAY command to one of the Online monitors, this header message for message CTM646I is issued.

**Corrective Action:** No action is required.

**CTM646I monName userId pgm applId terminal start lastUsed st**

**Explanation:** After an operator DISPLAY command to one of the Online monitors, this message is displayed for each active user.

The variables in this message are:

- `monName` - the name of the monitor started task
- `userId` - the user name (ID)
- `pgm` - the program name
- `applId` - the application ID
- `terminal` - VTAM terminal ID
- `start` - user sign-on time
- `lastUsed` - time stamp of last user entry
- `st` - status Valid values are:
  - W - waiting for user data
  - A - active user waiting for response

**Corrective Action:** No action is required.
CTM647E **monName** - LOAD OF *pgm* FAILED. SIGNON OF USER *usr* FAILED

**Explanation:** Load for the requested *pgm* module during user sign-on to the Online facility failed. The user main program as specified by Online monitor sign-on exit or by default (CTMXMAN, CTMXMAND, CTDXMAN, or CTDXMANU) cannot be found in the Online monitor STEPLIB libraries.

Sign-on to the specified IOA Online monitor is terminated.

**Corrective Action:** Contact your INCONTROL administrator to find out why the program is missing. If the problem is not resolved, contact BMC Customer Support for assistance.

CTM647W RBC NAME IS 20 CHARS LONG AND CANNOT BE USED AS AN EXCLUDE RBC

**Explanation:** The maximum number of characters allowed for an RBC name is 20 characters, including the exclamation mark (!) prefix used to specify an Exclude RBC. Since the name of this RBC already consists of 20 characters, an exclamation mark (!) cannot be added as a prefix to this RBC name, in the event it is required for an Exclude RBC.

**Corrective Action:** Rename the RBC with 19 or less characters.

CTM648S **monName** - ONLINE MONITOR ENDED WITH ERROR

**Explanation:** *Highlighted, unrollable message.*

A severe error has occurred. The IOA Online monitor is shutting down.

Detailed information on this error is available in the messages which were previously displayed on the operator console.

The *monName* IOA Online monitor is shutting down.

**Corrective Action:** Check the system log for additional messages.

CTM649E **monName** - INVALID MODIFY PARAMETERS. VALID PARAMETERS ARE:

**Explanation:** An invalid parameter was passed to the *monName* IOA Online monitor by an operator modify command (F). A list of valid modify parameters will appear on the operator console following this message.

The modify command is rejected.

**Corrective Action:** Enter a correct modify parameter.

CTM650S OPEN OF ACTIVE JOBS FILE FAILED. DDNAME "DACKPT" (SENSE=*

**Explanation:** Open of Control-M Active Jobs file failed (the DACKPT DD statement). Possible causes are:
The DACKPT DD statement is missing.
The data set described by the DACKPT DD statement is not the Control-M Active Jobs file.
The data set described by DACKPT DD statement is the Control-M Active Jobs file of another IOA installation, or of a different version of Control-M.

**Corrective Action:** Check the contents of the system log for additional messages which may clarify the picture, or logon again. If the sense code appears in the message, supply it to the INCONTROL administrator when requesting assistance.

**CTM651S READ ERROR ON CONTROL-M ACTIVE JOBS FILE.**
(SENSE=sense_code, RBA=rba)

**Explanation:** I/O error while reading Control-M Active Jobs file. Possible causes are:
- The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.
- The file allocated to the DACKPT DD statement is the Control-M Active Jobs file, but it is of a different version.
- Real I/O error.
- The Active Jobs file indexes are corrupted.

**Corrective Action:** Check the contents of the system log for additional messages which may clarify the picture, or logon again. If this does not solve the problem, notify the INCONTROL administrator informing him of the sense code and RBA.

**CTM652S INTERNAL ERROR - INVALID REQUEST TO CTMUCK req**

**Explanation:** Internal error. Invalid request to the CTMUCK Control-M internal program.

The function requested is not performed.

**Corrective Action:** Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

**CTM653E CANNOT action TASK taskName ODATE odate - {NOT HELD | DELETED}**

**Explanation:** Result of DELETE, CHANGE or UNDELETE commands.

For DELETE or CHANGE commands, the taskName task of the original scheduling date (odate) is not in the HELD state and therefore cannot be deleted or changed.

For an UNDELETE command, the task of the original scheduling date was not deleted, therefore cannot be undeleted.

The DELETE, CHANGE or UNDELETE request is ignored.

**Corrective Action:** In the case of DELETE or CHANGE commands, hold the task using the H option. Wait until the REQUESTED HELD status is changed to HELD, and then you can perform the change or delete.

**CTM654E CANNOT action TASK taskName ODATE odate - ALREADY status**

**Explanation:** The taskName task with the odate original date already has the requested status.
The user request is ignored.

**Corrective Action:** No action is required.

**CTM655E** ACTIVE JOBS FILE IS IN USE, TRY AGAIN LATER

**Explanation:** Another user is currently updating the file. The file is currently in use by another user or by the Control-M monitor.

The requested action is not performed.

**Corrective Action:** Try again later.

**CTM656E** action OF TASK *taskName* ODATE *odate* IGNORED - STATUS HAS CHANGED

**Explanation:** Result of HOLD (H), RERUN (R), FREE (F), AESIM (%) (AutoEdit simulation), or CHANGE request for the *taskName* task of the *odate* original scheduling date whose status has already been changed. While you were looking at the screen, another user or Control-M monitor changed the status of the task, or the contents of the production parameters.

The requested action is ignored.

**Corrective Action:** Check the task status and act accordingly.

**CTM657E** CANNOT action TASK *taskName* ODATE *odate* - MAX CHANGES OVER, TRY AGAIN LATER

**Explanation:** Cannot do more actions on the *taskName* task of the *odate* original scheduling date. The maximum number of requests for action has been exceeded. Control-M monitor must accept the requests before another action can be performed.

The user request is ignored.

**Corrective Action:** If the Control-M monitor is up, try again. If it is down, it should be brought up again.

**CTM658S** CANNOT action TASK *taskName* ODATE *odate* - UNEXPECTED CODE FROM CTMUCK

**Explanation:** The CTMUCK Control-M internal utility has issued an unexpected return code.

The user request is ignored.

**Corrective Action:** Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

**CTM659I** action OF TASK *taskName* TABLE *grpname* ODATE *odate* PERFORMED

**Explanation:** This information message indicates the specified action was performed by the *taskName* task to the *grpname* group on the *odate* date.

When this message is produced as the result of an action in screen 2, the date is the current Control-M working date in YYMMDD format.
Corrective Action: No action is required.

**CTM65AI**  
*taskType memName OID=orderId ODATE odate action*

PERFORMED BY *userId*

**Explanation:** This information message indicates that the action action requested by the userId user was performed by the taskName task on the odate date.

This message is issued to the log only.

Corrective Action: No action is required.

**CTM65BE**  
STEP CANNOT BE SELECTED. STEP NAME NOT UNIQUE - MATCHES STEP # *num*

**Explanation:** The selected step has the same name as the step with the number num. A From, To, or Only RESTART was specified in the Control-M/Restart Step List window for a step with a name that is not unique in the job.

The cursor is placed on the line in which the non-unique step was selected.

Corrective Action: Clear the entry and choose another step.

**CTM65CE**  
UNSUPPORTED COMMAND/PFK

**Explanation:** The command that was requested, or the function key that was pressed, is not supported in this screen or this window.

The request is ignored.

Corrective Action: No action is required.

**CTM65DI**  
NO ARCHIVED SYSOUT OR NO MEANINGFUL DATA TO BUILD STEP LIST

**Explanation:** The Step List display requested under Screen 3.R (the Restart window) cannot be built, either because the job has no archived sysout, or because the existing archived sysout contains no steps from which a step list can be built. To build a step list, a meaningful archived sysout must exist.

The step list is not displayed.

Corrective Action: Select FROM and TO steps manually.

**CTM65EE**  
HISTORY FILE ("DAHIST") IS NOT INITIALIZED

**Explanation:** The History command was entered in the Control-M Active Environment (Job Status) screen. However, the DAHIST file is not allocated to the user or could not be accessed.

This message is also generated if Control-M/Restart is not installed.

The command is ignored.

Corrective Action: Make sure the DAHIST DD statement correctly references the History Jobs file.
CTM65FE Option "G" CANNOT BE ISSUED FOR NON-GRP ENTRY/JOB

Explanation: Option G (Group) was requested in the Control-M Active Environment (Job Status) screen for a task that is not part of a Group scheduling table. Option G can only be specified for a Group entity (GRP) or job (JOB) that is part of a Group scheduling table.

The request is ignored.

Corrective Action: Request an option that is valid for the particular line entry in the screen.

CTM660E INVALID VALUE, USE "Y" OR "N"

Explanation: Invalid value specified in the field. The cursor points to the field that contains the invalid value.

Corrective Action: Select Y for yes, or N for no.

CTM661E AT LEAST ONE TASK-TYPE MUST BE "Y"

Explanation: At least one task type must be Y.

Corrective Action: Mark at least one of the task types as Y.

CTM662E AT LEAST ONE MESSAGE TYPE MUST BE "Y"

Explanation: At least one message type must be Y. All of the Y/N options are marked N.

Corrective Action: Mark at least one of the message types as Y.

CTM663E AT LEAST ONE OF THE FIRST TWO TYPES OF JOB STATUS MUST BE "Y"

Explanation: At least one of the first two types of job status must be Y (both are marked NO).

Corrective Action: Mark at least one of the first two types of job status Y.

CTM664S INTERNAL ERROR BEFORE CALLING CTMUCK

Explanation: Internal error.

The function requested is not performed.

Corrective Action: Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

CTM665E CANNOT RERUN TASK taskName ODATE odate - TASK NOT ENDED

Explanation: The taskName task of the odate original scheduling date did not finish executing, therefore it cannot be rerun.

The rerun request is ignored.

Corrective Action: No action is required.
CTM666S INTERNAL ERROR - UNEXPECTED RETURN CODE FROM CTMTWHY

**Explanation:** Internal error. Invalid return code from the CTMTWHY Control-M internal program (Why screen).

**Corrective Action:** Have your system programmer contact BMC Customer Support for assistance.

CTM667E "WHY" OPTION CAN BE USED ONLY ON TASK IN "WAIT SCHEDULE" STATE

**Explanation:** The WHY ("?"") option is used to determine the reason that a task is waiting to be scheduled; it cannot be used unless the task is in the WAIT SCHEDULE state.

The user request is ignored.

**Corrective Action:** No action is required.

CTM668S INTERNAL ERROR - UNEXPECTED RETURN CODE FROM *pgm*

**Explanation:** Internal error. Invalid return code from the *pgm* Control-M internal program.

The CTMTSVY, CTMTWHY, or IOATOLV programs can return the following return codes:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Insufficient REGION allocated to online environment</td>
</tr>
<tr>
<td>1008</td>
<td>First CLS entry is an inserted/deleted entry</td>
</tr>
<tr>
<td>1012</td>
<td>No CTDBOX vectors were processed</td>
</tr>
<tr>
<td>1016</td>
<td>Insufficient memory for CTDBOX vector</td>
</tr>
<tr>
<td>1020</td>
<td>Maximum number GETMAINS for CTDBOX vector exceeded</td>
</tr>
<tr>
<td>1024</td>
<td>VSAM record for first CLS entry not found</td>
</tr>
<tr>
<td>1028</td>
<td>VSAM record for first CLS entry is not a primary record</td>
</tr>
<tr>
<td>1032</td>
<td>All compressed data sets were deleted. May also indicate that the SYSOUT file was deleted manually, by a system utility or another program.</td>
</tr>
<tr>
<td>1036</td>
<td>Internal error in page fix environment</td>
</tr>
<tr>
<td>1040</td>
<td>Error in GETMAIN of work areas</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------</td>
</tr>
<tr>
<td>1044</td>
<td>Error while reading a ruler</td>
</tr>
<tr>
<td>2000</td>
<td>Error in CTDBOX</td>
</tr>
<tr>
<td>2004</td>
<td>End of data sets</td>
</tr>
<tr>
<td>2016</td>
<td>Unrecognized request</td>
</tr>
<tr>
<td>2020</td>
<td>Allocation error</td>
</tr>
<tr>
<td>2024</td>
<td>Open error</td>
</tr>
<tr>
<td>2028</td>
<td>Subsystem not up</td>
</tr>
</tbody>
</table>

**Corrective Action:** When the program identified in the message is CTMTSVY or IOATOLV, try to solve the problem according to the return code. If you are unable to solve the problem, and for all other return codes, record the program name and return code, then contact BMC Customer Support.

**CTM669E ERROR ON ACTIVE JOBS FILE. CANNOT BUILD ZOOM SCREEN**

**Explanation:** Result of the ZOOM (Z) command. Error in the contents of the Active Jobs file. Possible causes are:

- The Active Jobs file has been corrupted, perhaps by incorrect usage of one of the Control-M user exits.
- An internal Control-M error occurred.

**Corrective Action:** Call your system programmer for assistance. A dump of the file will be needed to solve the problem.

**CTM66AE CANNOT ISSUE cmd IN mode DISPLAY**

**Explanation:** The requested command or option (cmd) is not supported in the current display mode. The command or option is ignored.

**Corrective Action:** Request a command or option that is valid in the current display mode.

**CTM66BS ABEND "abCode" OCCURRED IN "imod"**

**Explanation:** Due to an internal error, an abCode abend occurred in the imod module. Execution stops following the abend.

**Corrective Action:** Ask your system programmer to prepare the Control-M monitor full output and contact BMC Customer Support. If requested, issue the command DUMP ON, so that a dump is generated the next time this abend occurs.
CTM66CE ENTER cmd PARAMETER

**Explanation:** The *cmd* command was entered without mandatory parameters.
The command is ignored.

**Corrective Action:** Supply the required parameters and re-enter the command.

CTM66DI STRING NOT FOUND

**Explanation:** This information message indicates that the string specified in a FIND command or the prefix specified in a LOCATE command was not found.

**Corrective Action:** No action is required.

CTM66FE OPTION "F" CANNOT BE ISSUED FOR TASK IN "<GROUP HELD>" STATE

**Explanation:** When the status of a group is Held, the status of all the jobs belonging to that group changes to GRP Held. Individual jobs with the status GRP Held cannot be freed. Only the group itself can be freed.
The status of the job remains unchanged.

**Corrective Action:** If required, you can use the F (Free) option to free the group. This will free all the jobs belonging to the group.

CTM670S INTERNAL ERROR. CANNOT BUILD ZOOM SCREEN

**Explanation:** Internal Control-M error while building the Zoom screen.

**Corrective Action:** Have your system programmer contact BMC Customer Support for assistance.

CTM671E CANNOT action TASK taskName ODATE odate - IN REQUESTED CHANGE MODE

**Explanation:** A user tried to FREE or DELETE a task that is still in the REQUESTED CHANGE mode.
The request is ignored.

**Corrective Action:** Wait until the REQUESTED CHANGE status disappears and then try again.

CTM672E CANNOT SAVE JOB DATA. INSUFFICIENT SPACE IN FILE. USE LESS DATA

**Explanation:** Additional data were added to the job on the Zoom screen and the message appears as a result of the SAVE command. When a job order is placed on the Active Jobs file a certain amount of space is reserved for possible future addition of data by the user. This message appears whenever this space is exhausted.
The new job data are not saved.

**Corrective Action:** Try to delete some data in the Zoom screen. If you are trying to add ON STEP statements, try to delete other ON STEP statements, for OUT conditions, delete unnecessary OUT statements, and the like. Deleting all SHOUT WHEN messages usually releases enough space.
If all the above fail, delete the job order and reissue it manually with the new data (using the CLIST CTMj OBRQ). If the problem persists, contact BMC Customer Support.

CTM673E CANNOT action TASK taskName ODATE odate - TASK IN PROCESS

Explanation: A request to delete a task in process or to Force OK a Group task that is not in ENDED status could not be performed. Only a task that awaits scheduling or has ended can be deleted. Force OK is valid only for a Group Task that has ended (in other words, all its jobs have ended).

The requested action is not performed.

Corrective Action: Depending on the requested action, take the necessary steps and repeat the request if desired.

CTM674E CANNOT action TASK taskName ODATE odate - PATH REQUEST ACTIVE

Explanation: An attempt was made to delete a task in Wait Schedule state, after the task, which is of critical path priority, already reserved the resources for execution. A critical path priority task reserves Control Resources and Quantitative Resources, to obtain all the runtime resources required for its execution. You cannot delete such a task as long as the resources are still reserved.

The request is ignored.

Corrective Action: To delete the task, do the following:

1. HOLD the task, and wait until it is in the HELD status.
2. Enter the Status Zoom screen.
3. Clear the Priority field of the task, and save it.
4. Wait until the REQUESTED CHANGE status disappears.
5. FREE the task, and wait until the REQUESTED FREE status disappears.
6. HOLD the task again, and wait until the REQUESTED CHANGE status disappears indicating that the task is HELD.
7. Delete the task.

CTM675S INTERNAL ERROR - UNEXPECTED RETURN CODE FROM CTMTVEW

Explanation: Internal error. An unexpected return code was received from the CTMTVEW Control-M program (View screen).

Corrective Action: Have your system programmer contact BMC Customer Support for assistance.

CTM676E PLEASE ERASE STEP NAMES WHEN SPECIFYING RESTART=N

Explanation: RESTART was set to N with either FROM stepname or TO stepname. FROM stepname and TO stepname describe how the job is restarted by Control-M/Restart. Therefore, they cannot be specified when RESTART is set to N.
Corrective Action: For restart processing set RESTART to Y. When rerun is needed without restart processing, erase the FROM step and the TO step fields.

CTM677E ACTION IGNORED - STATUS OF TASK CHANGED

Explanation: A CONFIRM (C), or RERUN (R) was issued for a job whose status was already changed. While you were looking at the screen, another user or the Control-M monitor changed the status of the job or the contents of the production parameters.

The requested action is ignored.

Corrective Action: Press Enter again, check the job status, and act accordingly.

CTM678I taskType memName orderId odate MODIFIED: BY userId FROM pgmStepName1.procStepName1 TO pgmStepName2.procStepName2

Explanation: The restart decision was changed from pgmStepName1.procStepName1 to pgmStepName2.procStepName2 during rerunning (R) of the task or confirmation of the restart of the task (C). Restart determines in which steps Control-M/Restart tries to start and end a restarted job. The original restart decision was manually modified, and this message indicates the new restart decision.

If and when this task is restarted, the new restart decision will be used.

Corrective Action: No action is required.

CTM679E TASK IS NOT WAITING FOR CONFIRMATION

Explanation: A request to confirm (C) the restart of a task that is not waiting for confirmation failed. Confirm is valid only for tasks which are in WAIT CONFIRMATION status.

Confirm is ignored.

Corrective Action: No action is required.

CTM67BI "BROWSE" FORCED - JOB DID NOT COMPLETE PROCESSING

Explanation: The customer issued 3.Z (ZOOM) command for the job in HELD ENDED status, but Control-M did not completely finish the processing of the job. The last step of post-processing (the handling of SHOUTs and OUTPUT CONDITIONS) was not completed. In this situation, the SAVE command (under ZOOM) may prevent Control-M from executing DO COND and DO SHOUT actions. For this reason, 3.Z is forced to BROWSE mode, where change/save is not possible.

3.Z is forced to BROWSE mode.

Corrective Action: If the job should be changed (and BROWSE mode is not acceptable), the user should FREE the job, wait several seconds (to enable Control-M to finish processing of the job), then HOLD and ZOOM again.

CTM680E MEMBER memName DOES NOT EXIST IN THE LIBRARY

Explanation: The memName member that was requested is not in the library.

Possible causes are:
New Day procedure - Failure to read a calendar from the data set described by the DACAL DD statement.

Control-M AutoEdit facility - Failure to read a symbols member (%GLOBAL statement, or %LIBSYM %MEMSYM statement).

IOA Online facility - You are trying to save a table, mission, tree, or rule that does not exist.

The system action depends on the cause, as follows:

- New Day procedure - This job order is not scheduled, and the New Day processing ends with errors.
- Control-M AutoEdit facility - Job submission stops.
- IOA Online facility - The table, mission, tree, or rule is not saved.

Corrective Action: The appropriate response depends on the cause, as follows:

- New Day procedure - Correct the name of the calendar in the production parameters table. Correct the contents of the Date Control Record (dates 2,3,4,5), and, if necessary, run the New Day procedure again. If New Day processing already placed job orders on the Active Jobs file, they may be placed there twice. Therefore, add the corrected job order manually, using the CLIST CTMJOBRQ.
- Control-M AutoEdit facility - Correct the JCL of the job and rerun it.
- IOA Online facility - To save a new table, mission, tree, or rule, delete the Y in the SAVE field, type Y in the CREATE field, and press Enter.

CTM681E [[taskType memName] jobName|jobId orderId] DSN dsn - IS NOT A LIBRARY

Explanation: The requested DSN is not a partitioned data set.

Possible causes are:

- New Day procedure - failure to read a calendar from the data set described by the DACAL DD statement.
- Control-M AutoEdit facility - failure to read a symbols member (%GLOBAL statement, or %LIBSYM %MEMSYM statement).
- IOA Online facility - schedule, calendar or rule definition.

The system action depends on the cause, as follows:

- New Day procedure - ends with errors.
- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.

Corrective Action: The appropriate response depends on the cause, as follows:
New Day procedure - Correct the name of the data set described by the DACAL DD statement to the name of your calendar library.

AutoEdit facility - Correct the JCL for the job and rerun it.

Online facility - Correct the library name and retry.

**CTM682E MEMBER memName ALREADY EXISTS**

**Explanation:** The `memName` member that you are trying to create already exists in the specified library. The `memName` member is not created.

**Corrective Action:** Correct the member name and try again.

**CTM683E ERROR WHILE READING RECORD**

**Explanation:** A problem has occurred during the reading of a record.

**Corrective Action:** Make sure you chose the correct library.

**CTM684E [[taskType memName] jobName|jobId orderId] DSN dsn IN USE (DISP=OLD)**

**Explanation:** The DSN is held exclusively by another user. Possible causes are:

- Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or %%LIBSYM %%MEMSYM statement).
- IOA Online facility - schedule, calendar or rule definition.
- Control-O - initialization.
- CMEM - initialization.
- IOA/Control-M utility - schedule definition or calendar definition.

The system action depends on the cause, as follows:

- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.
- Control-O is not started.
- CMEM is not started.
- IOA/Control-M utility - utility terminates with a nonzero return code.

**Corrective Action:** Try again.

**CTM685E [[taskType memName] jobName|jobId orderId] INTERNAL ERROR ON GETMEM: func. SEE MESSAGES AND CODES**

**Explanation:** Internal Control-M error while trying to read a member from a library.

Possible causes are:
- New Day procedure - failure to read a calendar from the data set described by the DACAL DD statement.
- Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or %%LIBSYM %%MEMSYM statement).
- IOA Online facility - schedule, calendar or rule definition.
- IOA/Control-M utility - schedule definition or calendar definition.

The system action depends on the cause, as follows:
- New Day procedure - terminates with errors.
- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.
- IOA/Control-M utility - utility terminates with a nonzero return code.

**Corrective Action:** Look for additional messages on IOA Log that may clarify the picture. If you can, correct the problem, and continue according to the CTM680 message. Under the Online facility, it may be helpful to log off and log on again.

In any case, prepare the Control-M monitor full output and contact BMC Customer Support. Note the function code (*func*), which will help the BMC support team resolve the problem.

**CTM686E** 

`[[taskType memName] jobName|jobId orderId] DSN dsn IS NOT IN CATALOG`

**Explanation:** The requested DSN (*dsn*) is not in the catalog.

Possible causes are:
- Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or %%LIBSYM %%MEMSYM statement).
- IOA Online facility - schedule, calendar or rule definition.
- New Day procedure - failure to read a calendar from the data set described by the DACAL DD statement.

The system action depends on the cause, as follows:
- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.
- New Day procedure - ends with errors.

**Corrective Action:** The appropriate response depends on the cause, as follows:

1. AutoEdit facility - correct the JCL for the job and rerun it.
2. Online facility - correct the library name and retry.
3. New Day procedure - correct the New Day procedure and retry.
CTM687E [[taskType memName] jobName|jobId orderId] OID=orderId DSN dsn - DYNAMIC ALLOCATION FAILED

**Explanation:** Dynamic allocation for the requested DSN (dsn) failed. Possible causes are:

- Control-M AutoEdit facility - failure to read a symbols member (%GLOBAL statement, or %LIBSYM %MEMSYM statement)
- IOA Online facility - schedule, calendar or rule definition.

This can also happen when the Control-M Online facility is activated under the Control-M Online facility (nesting) and you are trying to access the same library in two screens.

The system action depends on the cause, as follows:

- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.

**Corrective Action:** Exit the Online facility and retry. If this happens under batch environment or in Control-M AutoEdit facility, prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

CTM688E [[taskType memName] jobName|jobId orderId] INTERNAL ERROR - INVALID REQUEST TO IOAMEM. INFORM IOA ADMINISTRATOR

**Explanation:** Internal IOA error while trying to read a member from a library. Possible causes are:

- New Day procedure - failure to read a calendar from the data set described by the DACAL DD statement.
- IOA AutoEdit facility - failure to allocate or read a symbols member (a %GLOBAL statement, or a %LIBSYM %MEMSYM statement, or a %INCLIB %INCMEM statement). When using the %INCMEM DDNAME= ddn format, ensure that ddn is allocated by the required procedure (Control-M monitor, IOA Logon procedure, and so on).
- IOA Online facility - Schedule, calendar or rule definition.

The system action depends on the cause, as follows:

- New Day procedure - ends with errors.
- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

CTM689E [[taskType memName] jobName|jobId orderId] MAXIMUM NUMBER OF MEMBERS/LINES IN MEMBER EXCEEDED

**Explanation:** An attempt to read a large member from the library failed.

The system action and appropriate user response depend on the circumstances at the time the message is issued, as follows:
If this message was issued during the New Day procedure, the cause is failure to read a calendar from the data set described by the DACAL DD statement. In this case, job submission fails. Increase the REGION size or LOGON size, and try again.

If this message was issued while you were using the Control-M AutoEdit facility, the cause is failure to read one of the following symbols members:
- a %GLOBAL statement
- a %LIBSYM %MEMSYM statement

In this case, job submission fails. Increase the REGION size or LOGON size, and try again.

If this message was issued while you were using the Control-M Online facility, the cause is failure to access a schedule or calendar definition. Increase the REGION size or LOGON size, and try again.

If this message was issued while you were using the CTMTBUPD or CTMXRF Control-M utilities, the cause is failure to access a schedule definition. In this case, utility execution fails. Increase either the SLINMAX or the SCHDMAX utility control statements, as appropriate. For more information, see the INCONTROL for z/OS Utilities Guide.

**Corrective Action:** No action is required.

**CTM68AE** 

```plaintext
[[taskType memName] jobName|jobId] orderId MEMBER NAME IS MISSING
```

**Explanation:** The parameter list passed to IOAMEM must include the requested member name, which is missing.

The request to IOAMEM is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

**CTM68BE** 

```plaintext
[[taskType memName] jobName|jobId] orderId DDNAME ddName HAS ALREADY BEEN ALLOCATED
```

**Explanation:** IOAMEM received a request to allocate a DD name (`ddName`) that has already been allocated.

The request to IOAMEM is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

**CTM68CE** 

```plaintext
[[taskType memName] jobName|jobId] orderId DSN dsn - OPEN FAILED
```

**Explanation:** The open process of the `dsn` data set failed.

The request to IOAMEM is terminated.

**Corrective Action:** Notify your INCONTROL administrator.
CTM68DE [[taskType memName] jobName|jobId] orderId DSN dsn IS NOT FOUND ON VOLUME

**Explanation:** IOAMEM detected that the requested data set \((dsn)\) does not exist on the volume pointed to by the MVS catalog.

The request to IOAMEM is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

CTM68EE [[taskType memName] jobName|jobId] orderId DDNAME ddName IS NOT ALLOCATED TO DSNAME dsn

**Explanation:** IOAMEM received a request to access a data set \((dsn)\) allocated to the \(ddName\) DD name, but that \(dsn\) is not, in fact, allocated to the \(ddName\) DD name.

The request to IOAMEM is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

CTM68FE [[taskType memName] jobName|jobId] orderId LIBRARY NAME IS MISSING

**Explanation:** The parameter list passed to IOAMEM must include a library name, which is missing.

The request to IOAMEM is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

CTM68GE [[taskType memName] jobName|jobId] orderId DATASET dsn IS MIGRATED

**Explanation:** IOAMEM detected that the requested data set \((dsn)\) is migrated by a space management product such as DFSMSHSM, and it cannot be accessed.

The request to IOAMEM is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

CTM68IE FORMCND MUST BE RUN WITH //DACNDF DD DISP=NEW OR DISP=OLD

**Explanation:** This messages is issued by the FORMCND procedure (program IOABCN), which formats the conditions file when it is submitted with DISP=SHR instead of DISP=NEW or DISP=OLD.

The format is not run.

**Corrective Action:** Stop all Control-X monitors and re-run the FORMCND procedure with DISP=OLD.

CTM690E [[taskType memName] jobName|jobId| orderId] INVALID RETURN CODE FORM CTMMEM - INFORM IOA ADMINISTRATOR

**Explanation:** Internal IOA error while trying to read a member from a library. Possible causes are:
New Day procedure - Failure to read a calendar from the data set described by the DACAL DD statement.

IOA AutoEdit facility - Failure to read a symbols member (%GLOBAL statement, or %LIBSYM %MEMSYM statement).

IOA Online facility - Schedule definition or calendar definition.

The system action depends on the cause, as follows:

- New Day procedure ends with errors.
- AutoEdit facility - Job submission stops.
- Online facility - Reading or updating of the table or calendar is not performed.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

**CTM691E** 

```
[ taskType memName ] jobName|jobId orderId ERROR WHILE PROCESSING DIRECTORY OF LIBRARY
```

**Explanation:** Internal Control-M error while trying to read a directory of a library during schedule definition, calendar definition, batch utility, etc.

Online facility - Tables or calendars list is not shown.

**Corrective Action:** For batch utility, correct the error and rerun the job.

**CTM692E** 

```
[ taskType memName ] jobName|jobId orderId LIBRARY OPERATION FAILED. REASON rsn
```

**Explanation:** Internal Control-M error while trying to process a member from a library. Possible causes are shown in the following table:

<table>
<thead>
<tr>
<th>Circumstances</th>
<th>System Action</th>
<th>Possible Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Day procedure</td>
<td>New Day procedure terminates with errors</td>
<td>Failure to read a calendar from the data set described by the DACAL DD statement</td>
</tr>
<tr>
<td>Control-M AutoEdit</td>
<td>Job submission is stopped</td>
<td>Failure to read a symbols member (%GLOBAL statement, or %LIBSYM %MEMSYM statement)</td>
</tr>
<tr>
<td>Control-M Online</td>
<td>Processing of schedule, mission, rule or calendar</td>
<td>Internal failure to process the schedule, mission, rule or calendar definition</td>
</tr>
<tr>
<td>facility</td>
<td>definition is not performed</td>
<td></td>
</tr>
</tbody>
</table>

**Corrective Action:** Examine any prior system message. If there is no such message, prepare the Control-M monitor full output and contact BMC Customer Support for assistance.
INCONTROL for z/OS Messages Manual

CTM693E orderId {TABLE | MISSION | TREE | RULE} DOES NOT EXIST
{TABLE | MISSION | TREE | RULE} NOT SAVED

**Explanation:** You are trying to save a table, mission, tree, or rule that does not exist.
The table, mission, tree, or rule is not saved.

**Corrective Action:** To save a new table, mission, tree, or rule, erase the Y in the SAVE field, mark Y in the CREATE field, and click Enter.

CTM694E orderId {TABLE | MISSION | TREE | RULE} ALREADY EXISTS - CANNOT BE CREATED

**Explanation:** The table, mission, tree, or rule you are trying to create already exists in the specified library.
The table, mission, tree, or rule is not created or saved.

**Corrective Action:** Either specify Y in the SAVE field to replace the existing table, mission, tree, or rule with the changed one, or change its name to a new name.

CTM695I taskType memName odate orderId RESTART DECISION DELETED BY userId. RESTART WILL NOT BE PERFORMED

**Explanation:** While rerunning or confirming the rerun of the job, the user deleted the restart decision of the job.
The job will be rerun without restart processing.

**Corrective Action:** No action is required.

CTM696E DSN RECORD FORMAT DOES NOT MATCH THE REQUESTED RECORD FORMAT

**Explanation:** An error occurred in the CTMMEM module.
The CTMMEM module detected that the record format of the library to be opened differs from the requested record format.
The library or DD name is not allocated.

**Corrective Action:** If the CTMMEM module was invoked from a user-written program or from one of the user exits, check the parameters passed by the calling program to CTMMEM, and ensure that they match the DCB parameters of the library that the user-written program intends to access.
If the call was not made by a user exit or user-written program, prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

CTM697I jobName orderId odate WAS DELETED BECAUSE ITS GROUP ENTITY grp (ID=groupId) DELETED

**Explanation:** This information message indicates that the jobName job with the orderId order ID and odate order date was deleted, because the grp group entity with the groupId order ID, to which this job belongs, was deleted.
Corrective Action: No action is required.

CTM698I grp orderId odate WAS UNDELETED BECAUSE JOB jobName (OID=jobId) UNDELETED

Explanation: This information message indicates that the grp group entity with the odate order date and the orderId order ID was undeleted because the jobName job with the jobId order ID, to which this job belongs, was undeleted by an UNDELETE command.

Corrective Action: No action is required.

CTM699E grp orderId odate NOT DELETED, NOT ALL JOBS ARE ELIGIBLE FOR DELETION

Explanation: A request to delete the grp group entity with the odate order date and the orderId order ID was issued. However, not all jobs in this group are eligible for deletion.

Jobs belonging to the specified group that can be deleted are deleted. Jobs that are not ready for deletion remain in their original queue. The group entity is not deleted.

Corrective Action: Wait until all the jobs that belong to the specified group have finished execution, then try again to delete the group.

CTM69AE NO SPACE LEFT IN THE DIRECTORY

Explanation: The library directory is full.

Corrective Action: Compress or enlarge the appropriate library.

CTM69BI NO MEMBERS MATCH THE MEMBER-NAME FILTER

Explanation: No matching member was found in the library or the library had no members.

Corrective Action: Correct the member-name used in the filter or ensure that the library is not empty, then try again.

CTM69CE "JSORT" MUST BE FOLLOWED BY "RBA" OR "ORDERID"

Explanation: The JSORT command requires either a RBA or ORDERID subparameter. The order in which the jobs are displayed in screen 3 can be controlled by the JSORT command.

Corrective Action: Do one of the following:

- Type JSORT RBA on the command line, to display the jobs in the order of their physical location on the AJF (relative byte address).
- Type JSORT ORDERID on the command line, to display the jobs in order-id sequence.

CTM6A0I ARCHIVED SYSOUTS DO NOT EXIST FOR THIS TASK

Explanation: This information message indicates that there are no sysouts to be viewed. You can only view an existing sysout. Either no sysout was generated, or the existing sysout was manually deleted.

Corrective Action: No action is required.
CTM6A1E LOCATE RBA COMMAND REQUIRES RBA AS PARAMETER

**Explanation:** A Locate RBA command (RBAL) was specified with no, or more than one, RBA parameter. Only one RBA parameter, consisting of from 1 through 6 hexadecimal digits, must be specified for the Locate RBA command.

The Locate RBA command is not executed.

**Corrective Action:** Specify the Locate RBA command correctly.

CTM6A2E RBA INVALID

**Explanation:** An invalid RBA value was specified in the Locate RBA command (RBAL). The value specified for the RBA parameter in the Locate RBA command must contain from 1 through 6 hexadecimal digits.

The Locate RBA command is not executed.

**Corrective Action:** Enter the Locate RBA command with a valid RBA value.

CTM6A3E RBA OUT OF RANGE

**Explanation:** The Locate RBA command was specified with an RBA parameter which exceeded the highest RBA in the Active Jobs file.

The Locate RBA command is not executed.

**Corrective Action:** Enter the Locate RBA command with a correct RBA value.

CTM6A4S INITIALIZATION OF MAIN LIB FAILED. DDNAME "DALIB"

**Explanation:** An attempt was made to edit the JCL of a job by using line command J in the Control-M Active Environment screen or the Schedule Setup screen. The job in question had MEMLIB set to GENERAL, but the DALIB is not allocated to the user.

**Corrective Action:** Allocate DALIB to the user, and reenter line command J.

CTM6A5S AN ERROR OCCURRED (REASON=rsn, RBA=rba) INDEXING FORCED OFF

**Explanation:** An error occurred while trying to process the indexing in the Control-M Active Environment screen. The displayed reason code (rsn) indicates the reason for the error.

Possible values for rsn are:

- 01 through 03 - The record the program tried to read was not an index record.
- 04 - GETMAIN for the indexing area failed.
- 05 - Loading of the CTMHSR module failed.

The Active Environment screen response time may slow significantly.

**Corrective Action:** Press Enter to return to the Active Environment screen. Inform the INCONTROL administrator, indicating the reason code and the RBA specified in the message. The INCONTROL administrator should proceed according to the reason code, as follows:
01 through 03 - Ensure that the Active Jobs file (AJF) is not corrupted, and run the CTMCAJF COMPRESS utility to rebuild the indexes. This action can be delayed, but until it is performed, online response may be slow.

04 - Enlarge the user region.

05 - Ensure that the CTMHSR load module appears in the IOA load library.

CTM6ACE "RSORT" MUST BE FOLLOWED BY "FLOW" OR "NAME"

**Explanation:** The RSORT command requires either a FLOW or NAME subparameter. The order in which the Rerun Flow jobs are displayed in screen 3 can be controlled by the RSORT command.

**Corrective Action:** Do one of the following:

- Type RSORT FLOW on the command line, to display the jobs in the order of the flow(with predecessor jobs displayed before their successors).
- Type RSORT NAME on the command line, to display the jobs in alphabetical order.

CTM6ADE SUMMARY HAS MORE THAN 128 CHARACTERS

**Explanation:** The total number of characters in the summary exceeds 128 characters.

**Corrective Action:** Shorten the summary so that it contains fewer than 128 characters. Each line of the summary may contain up to 70 characters.

CTM6AEE DESCRIPTION HAS MORE THAN 1024 CHARACTERS

**Explanation:** The total number of characters in the description exceeds 1024 characters.

**Corrective Action:** Shorten the description so that it contains fewer than 1024 characters.

CTM6AFE DO REMEDY IS NOT SUPPORTED IN THIS RELEASE

**Explanation:** The DO REMEDY parameter is only supported in INCONTROL for z/OS version 6.2.18 and later.

**Corrective Action:** Install version 6.2.18 or later.

CTM6AGE SUMMARY AND DESCRIPTION LINES MUST BE ENTERED

**Explanation:** The summary and description lines have been left blank.

**Corrective Action:** Enter information into the summary and description lines.

CTM6AHE URGENCY MUST BE L, M, H, U, OR BLANK

**Explanation:** The URGENCY parameter must be set to one of the following values:
L - Low
M - Medium
H - High
U - Urgent
Blank - Default, which is equivalent to Low urgency

**Corrective Action:** Enter a valid value.

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**Messages CTM700 through CTM7xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTM700E PLEASE FILL IN LIBRARY NAME**

**Explanation:** The library name is missing.

**Corrective Action:** Specify the library name.

**CTM701E PLEASE FILL IN TABLE NAME OR OMIT JOB NAME**

**Explanation:** The job name is specified, but the table name is missing. A job must be defined in a table.

**Corrective Action:** To get a list of tables in the library, either fill in a table name, or omit the job name.

**CTM703E ELAPSE VALUE CANNOT EXCEED 1440 MINUTES (ONE DAY)**

**Explanation:** An invalid value is specified in the ELAPSE parameter. The maximum ELAPSE time for a job is 1440 minutes.

**Corrective Action:** Enter a value not greater than 1440.

**CTM704E MAXIMUM NUMBER OF STEP RANGE LINES EXCEEDED**

**Explanation:** More than 100 STEP RANGE lines were specified on the Job Scheduling Definition screen or on the Job Zoom screen. The maximum number of STEP RANGE lines permitted on a Job Scheduling Definition screen is 100.

**Corrective Action:** Remove the excess STEP RANGE lines.

**CTM705E INVALID OPTION FOR GROUP DEFINITION**

**Explanation:** The line command is invalid for a group definition. The command is not executed.

**Corrective Action:** Either choose a line command that is valid for group definitions, or select a job definition for which the line command is valid.
CTM706E ORDER COMMAND NOT ALLOWED FOR GROUP TABLE

**Explanation:** The O (ORDER) line command was entered for a job that is part of a group. The O line command is valid only for jobs that do not belong to a group.

Control-M prompts for a new line command.

**Corrective Action:** Change the line command.

CTM707E INVALID CALENDAR REFERENCE OR SCHEDULING ERROR

**Explanation:** The P option was used to view the scheduling dates of a job containing an error in its basic scheduling criteria. The basic scheduling criteria of this job had at least one parameter that could not be correctly evaluated by the CTMRPLN utility.

Possible causes are:

- The DCAL or WCAL parameter points to a member that does not exist in the calendar library.
- The calendar member does not contain the date range specified by the user. Both the current and next year following the end date should be defined in the calendar.

The P option is not executed for this job.

**Corrective Action:** Check the DCAL and WCAL parameters in the basic scheduling criteria for the job. Check the date range in the calendar member. Correct accordingly, and reactivate the P option.

CTM708E DELETE COMMAND NOT ALLOWED FOR LAST JOB IN GROUP TABLE

**Explanation:** An attempt to delete the last remaining job definition in a group table failed. Every group table must have at least one job definition.

The D (Delete) option is not executed for this job definition.

**Corrective Action:** Delete the entire group table.

CTM709I COPY CANCELLED DUE TO USER REQUEST

**Explanation:** A copy process was cancelled by the PF03 key. A window is displayed when a request is submitted to copy a job definition.

The copy process is terminated.

**Corrective Action:** No action is required.

CTM70AE REQUIRED FIELD IS MISSING

**Explanation:** The user failed to specify a mandatory field. Values must be specified for several fields, for example, the destination table name.

The copy request is not processed.

**Corrective Action:** Press PF03 to cancel the copy request or fill in the required data.
CTM70BE CANNOT COPY TO THE SAME TABLE

Explanation: The specified destination table is the table that currently contains the job definition. An attempt to copy a job definition from a table into the same table failed. The copy request is not processed.
Corrective Action: Press PF03 to cancel the copy request or specify a different destination table name.

CTM70CI COPY WAS EXECUTED SUCCESSFULLY

Explanation: The message is issued when one of the following components has been successfully copied:
- IOA component job definition
- CTO rule
- CMEM rule
- CTT rule
- CTD mission definition
- IOA calendar definition
Corrective Action: No action is required.

CTM70DE SPECIFIED LIBRARY DOES NOT EXIST

Explanation: The user tried to copy a job definition into a destination data set that does not exist. The copy process is not implemented.
Corrective Action: Allocate the destination data set and try again to copy the job definition.

CTM70EE THIS ENTRY TYPE CANNOT BE COPIED

Explanation: An attempt to copy a group job into another table failed. A job that is part of a group cannot be copied into another table. The copy process is not implemented.
Corrective Action: No action is required.

CTM70FE GENERAL ERROR DURING COPY PROCESS RC = rc

Explanation: Usually, an error has occurred during the copy process, causing a return code (rc) of 004 to be generated.
The copy process is terminated.
Corrective Action: Contact BMC Customer Support.

CTM70GE CANNOT COPY TO THE SAME RBC

Explanation: The current RBC definition is specified as the RBC destination. The copy request is not processed.
Corrective Action: Cancel the copy request or specify a different RBC definition.

CTM70HI RBC RENAMED SUCCESSFULLY
Explanation: An RBC definition has been successfully renamed.
Corrective Action: No response needed.

CTM70II RENAME CANCELLED DUE TO USER REQUEST
Explanation: A rename process was cancelled by the PF03 key. A window is displayed when a request is submitted to rename an RBC definition. The rename process is terminated.
Corrective Action: No response needed.

CTM710E PLEASE FILL IN A VALID OPTION - "Y" OR "N"
Explanation: An invalid exit option was specified. The cursor points to the invalid value.
Valid options are:
- Y (Yes)
- N (No)
Corrective Action: Type Y (Yes) or N (No) in one of the exit options.

CTM711E ONE (AND ONLY ONE) EXIT OPTION MUST BE MARKED AS "Y" OR "N"
Explanation: Both exit options were marked either as Y or N. One exit option must be marked Y the other N.
Corrective Action: Change one of the exit options to Y or N accordingly.

CTM712E MISSING CONTINUATION CONDITION NAME
Explanation: The first dateref field contains CONT, which specifies a long condition. However, the continuation condition field is empty. In this case, the continuation condition field must contain at least one character.
Corrective Action: Do one of the following:
- For a short condition, remove CONT from the first dateref field.
- For a long condition, type at least one character in the continuation condition field.

CTM713E LENGTH OF CONTINUATION CONDITION MAY NOT EXCEED 19 CHARACTERS
Explanation: The continuation condition field contains more than 19 characters, which is the maximum allowed.
Corrective Action: Ensure that the text of the continuation condition contains at least one, but no more than 19 characters.
CTM714E INVALID DATE REF 'CONT' - COND NAME MUST BE 20 CHAR

**Explanation:** The first dateref field contains CONT, which specifies a long condition. However, the first condition field has less than 20 characters. In this case, all 20 spaces in the first condition field, and at least one in the continuation condition field, must be used.

**Corrective Action:** Do one of the following:

- For a short condition, remove CONT from the first `dateref` field.
- For a long condition, use all 20 spaces in the first condition field, and at least one in the continuation condition field.

CTM715E RIGHT PARENTHESIS IS NOT VALID IN CONTINUATION CONDITION

**Explanation:** The first dateref field contains CONT, which specifies a long condition. However, the first condition field contains a Boolean right (closing) parenthesis character `)`. In this case, the condition must continue into the continuation condition field. A Boolean closing parenthesis may not end the condition in the first condition field.

**Corrective Action:** Do one of the following:

- For a short condition, remove CONT from the first `dateref` field.
- For a long condition, remove the closing parenthesis from the first condition field, use all 20 spaces in the first condition field, and use at least one space in the continuation condition field.

CTM716E LEFT PARENTHESIS IS NOT VALID IN CONTINUATION CONDITION

**Explanation:** The first dateref field contains CONT, which specifies a long condition. However, the continuation condition field contains a Boolean left (opening) parenthesis character `. In this case, the condition must begin in the first condition field. A Boolean opening parenthesis may not start the condition in the continuation condition field.

**Corrective Action:** Do one of the following:

- For a short condition, remove CONT from the first dateref field and clear the continuation condition field.
- For a long condition, move the opening parenthesis to the beginning of the first condition field and use all 20 spaces in the first condition field, and use at least one space in the continuation condition field.

CTM717E OR SIGN `|` IS NOT VALID IN CONTINUATION CONDITION

**Explanation:** The first dateref field contains CONT, which specifies a long condition. However, the continuation condition field of a long condition contains a logical OR symbol `|`. In this case, the condition must begin in the first condition field. The logical OR symbol is valid only at the beginning of the first condition field of a long condition.

**Corrective Action:** Do one of the following:
For a short condition, remove CONT from the first dateref field and clear the continuation condition field.

For a long condition, move the logical OR symbol to the beginning of the first condition field, use all 20 spaces in the first condition field, and use at least one space in the continuation condition field.

CTM718E ONLY BLANK ALLOWED IN CONTINUATION CONDITION DATE-REF OPTION

**Explanation:** The first dateref field contains CONT, which specifies a long condition. However, the first opt field for the condition is not blank. In this case, the first opt field must be blank and the second opt field, after the continuation condition and the second dateref field, controls condition handling at the end of the job.

For short conditions, the value in the first opt field controls whether the condition is added to the Conditions file at the end of the job (+) or removed from it (-).

**Corrective Action:** Do one of the following:

- For a short condition, remove CONT from the first opt field and clear the continuation condition field.
- For a long condition, clear the first opt field and enter a valid value (+ or -) in the second one.

CTM719E TOO MANY "DO COND" - ONLY 245 ARE ALLOWED

**Explanation:** There are more that 245 DO COND statements in a single job scheduling definition. The maximum number of DO COND statements in each job scheduling definition is 245.

**Corrective Action:** Remove any extra DO COND statements.

CTM71AE PLEASE FILL IN AT LEAST ONE ADDRESS IN THE "TO" FIELD

**Explanation:** No address was entered in the TO field of a DO MAIL statement.

**Corrective Action:** Enter at least one address in the TO field of the DO MAIL statement.

CTM71BE TOO MANY DO MAIL "TO" LINES - ONLY 255 ARE ALLOWED

**Explanation:** More than 255 lines were entered in the TO field of a DO MAIL statement.

**Corrective Action:** Correct the contents of the TO field in the DO MAIL statement so that the field contains no more than 255 lines.

CTM71CE TOO MANY DO MAIL "CC" LINES - ONLY 255 ARE ALLOWED

**Explanation:** More than 255 lines were entered in the CC field of a DO MAIL statement.

**Corrective Action:** Correct the contents of the CC field in the DO MAIL statement so that the field contains no more than 255 lines.

CTM71DE TOO MANY DO MAIL TEXT LINES - ONLY 255 ARE ALLOWED

**Explanation:** More than 255 lines were entered in the TEXT field of a DO MAIL statement.

**Corrective Action:** Correct the contents of the TEXT field in the DO MAIL statement so that the field contains no more than 255 lines.
CTM71EE PLEASE FILL IN A VALID OPTION - "Y" OR "N" OR "D"

Explanation: An invalid value was entered for ATTACH SYSOUT.
Corrective Action: Correct the field contents.

CTM720E PLEASE FILL IN MEMBER NAME

Explanation: Missing MEMBER NAME. The MEMNAME field is obligatory.
Corrective Action: Fill in the name of the member you wish to submit in the MEMNAME field. In the case of a started task, fill in its name.

CTM721E INVALID TASK TYPE

Explanation: Invalid tasktype.
Valid values for the TASKTYPE parameter are:
- JOB - batch job (default)
- CYC - cyclic job
- STC - started task (STC)
- CST - cyclic STC
- EMR - emergency job
- ECJ - emergency cyclic job
- EST - emergency STC
- ECS - emergency cyclic STC
- WRN - warning message
For more details, see the job production parameters chapter in the Control-M for z/OS User Guide.
Corrective Action: Correct the value in the TASKTYPE field.

CTM722E INVALID OPTION (USE "Y", "N" OR BLANK)

Explanation: An invalid option has been entered in the NCT2 field.
Valid options for running NCT2 (NOT CATALGD2) are:
- Y (Yes) - Prevent errors by removing old data sets. This option is not valid for started tasks (STCs).
- N (No) - Do not prevent errors.
- Blank (Default) - Use the site-defined default, which is set during Control-M/Restart installation.
Corrective Action: Specify Y or N, or leave the field blank to use the site default.

CTM723E MAXWAIT SHOULD BE 00-98 OR 99

Explanation: An invalid value was entered for the MAXWAIT parameter.
The value of MAXWAIT should be from 00 through 98, meaning the number of extra days that the job can wait to be executed, or 99, meaning that the job remains in the Active Jobs file forever, even after executing).

**Corrective Action:** Correct the value in the MAXWAIT field.

**CTM724E FIELD MUST BE BLANK OR NUMERIC WITH LEADING ZEROES**

**Explanation:** The field contains data which are neither numeric characters nor blank. If numeric values are used, then no trailing (or preceding) blanks are allowed. The cursor points to the invalid field value.

**Corrective Action:** Correct field contents.

**CTM725E INVALID FORMAT OF DAYS PARAMETER**

**Explanation:** An invalid format was set for the DAYS parameter.

The DAYS parameter should contain 1 through 31, ALL, +1, +3, and so on. For more details, see the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Correct field contents.

**CTM726E "ALL" PARAMETER MIXED WITH SPECIFIC - CORRECT**

**Explanation:** The ALL parameter was specified together with specific days in the DAYS parameter or the WDGAYS parameter. You cannot use specific WDAYS or DAYS together with the ALL option.

**Corrective Action:** Omit either the ALL option or the specific days options.

**CTM727E INVALID FORMAT OF WDAYS PARAMETER**

**Explanation:** Invalid format of WDAYS parameter. WDAYS parameter should contain 0 through 6, ALL, +1, and so on. For more details, see the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Correct the value in the WDAYS field.

**CTM728E INVALID CONDITION DATE REFERENCE**

**Explanation:** An invalid condition date reference has been specified. Date reference should be ODAT, PREV, ****, or mmdd (or ddmm, depending on the site standard). For more details, see the job production parameters chapter in the appropriate user guide.

**Corrective Action:** Correct the date reference.

**CTM729E MISSING/INVALID CONTROL-TYPE. USE "E" - EXCLUSIVE OR "S" - SHARED**

**Explanation:** A CONTROL resource was specified, but the CONTROL type is invalid or missing. The CONTROL type should be E (Exclusive) or S (Shared). For more details, see the job production parameters chapter in the appropriate user guide.

**Corrective Action:** Type E or S in the CONTROL type field.
CTM72AE DESCRIPTION LENGTH CAN'T EXCEED 4000 CHARACTERS

**Explanation:** The length of the description cannot exceed 4000 characters.

**Corrective Action:** Shorten the description.

CTM72BE INVALID OPTION (USE "Y", "N", "L", "F" OR BLANK)

**Explanation:** An invalid option has been entered in the NCT2 field.

Valid options for running NCT2 (NOT CATALGD2) are:

- **Y** (Yes) - Prevent errors by removing old data sets. This option is not valid for started tasks (STCs).
- **N** (No) - Do not prevent errors.
- **L** (List) - List GDG data sets with the corresponding level from the original job in the SYSOUT file using CTR301I messages.
- **F** (Flush) - Upon finding an error, prevent further processing.
- Blank (Default) - Use the site-defined default, which is set during Control-M/Restart installation.

**Corrective Action:** The only value that is valid for a started task is N, or leave the field blank.

CTM72CE INTERVAL LIMIT IS EITHER 45 DAYS, 1080 HOURS, OR 64,800 MINUTES

**Explanation:** An interval specification exceeded one of the following:

- 64,800 minutes
- 1080 hours
- 45 days

For more information, see the INTERVAL parameter in the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Correct the value in the INTERVAL field.

CTM72DE VALID DISPLAY VALUES ARE 'M' MINUTES, 'H' HOURS, OR 'D' DAYS

**Explanation:** An interval type specification was invalid. The valid interval types are:

- **M** - minutes
- **H** - hours
- **D** - days

For more information, see the INTERVAL parameter in the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Correct the type.
CTM72EE VALID SYSTEM ID FORMATS ARE: XXXX OR /XXXX

Explanation: The length of the system ID value may be up to 4 characters. In a JES3 system this value may be preceded by a slash character, indicating NOT.

Corrective Action: Correct the value in the SYSID field according to the format indicated in the message.

CTM72FE DUPLICATE CONTROL RESOURCE NAMES ARE NOT ALLOWED

Explanation: Two CONTROL resources with the same name are not allowed.

Corrective Action: Remove one of the CONTROL resources.

CTM72GE 5 CHARACTER SYSID VALUE NOT ALLOWED IN COMPATIBILITY MODE

Explanation: Compatibility mode implies conformity to previous Control-M versions in which a maximum of 4 characters could be specified for the SYSID field.

Corrective Action: Specify a maximum of 4 characters in the SYSID field.

CTM730E QUANTITY MUST BE A FOUR DIGIT NUMBER

Explanation: Invalid quantity (for a quantitative resource). Quantity should be a non-zero, 4-digit number. For more details, see the job production parameters chapter in the appropriate user guide.

Corrective Action: Correct the quantity field.

CTM731E INVALID TIME

Explanation: Invalid time specified. The format of the TIME parameter should be hhmm. For more details, see the job production parameters chapter in the appropriate user guide.

Corrective Action: Correct the TIME field (FROM or UNTIL).

CTM732E MISSING/INVALID CONDITION OPTION. TRY "+" TO ADD OR "-" TO DELETE

Explanation: Invalid or missing condition option. The value of the condition option should be + for add, or - for delete. For more details, see the job production parameters chapter in the appropriate user guide.

Corrective Action: Specify + or - in the condition option field.

CTM733E INVALID SYSOUT OPTION

Explanation: An invalid sysout option was specified.

Valid SYSOUT option are:
Some SYSOUT options require additional sysdata.
For more details see the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Correct the SYSOUT field.

**CTM734E MAXRERUN LIMIT IS 255**

**Explanation:** More than 255 reruns were specified. The maximum number of times a cyclic job may be rerun or restarted is 255. For more information, see MAXRERUN in the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Correct the value in the MAXRERUN field.

**CTM735E INVALID FINISH CODE**

**Explanation:** An invalid job or step finish code was specified. For valid codes, see the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Correct the finish code field.

**CTM736E INVALID ACTION**

**Explanation:** An invalid action was specified in a DO statement. For valid actions, see the job production parameters chapter in the Control-M for z/OS User Guide. This message can also be produced when specifying DO statements valid only if certain products are installed, for example, specifying DO IF RERUN when Control-M/Restart is not installed.

**Corrective Action:** Correct the DO action field.

**CTM737E INVALID URGENCY. USE "R" - REGULAR, "U" - URGENT OR "V" - VERY URGENT**

**Explanation:** An invalid value was specified for the SHOUT URGN (urgency) subparameter.

Valid values for SHOUT URGN are:

- R - regular
- U - urgent
- V - very urgent.

For more details, see the job production parameters chapter in the Control-M for z/OS User Guide.

**Corrective Action:** Type R, U, or V in the SHOUT urgency field.
CTM738E INVALID "WHEN" ATTRIBUTE

Explanation: An invalid WHEN attribute was specified in a SHOUT statement. For valid values, see the job production parameters chapter in the Control-M for z/OS User Guide.
Corrective Action: Correct the value in the WHEN field.

CTM739E PLEASE FILL IN USER ID

Explanation: Missing user ID. The USER ID field is obligatory.
Corrective Action: Insert a user ID.

CTM73AE Finish code must be Cnnnn/Uunnnn, where nnnn is asterisk or 0000 to 4095

Explanation: Finish code was not correctly defined.
Corrective Action: Correct the finish code.

CTM73BE Finish code must be Shhh, where hhh are hex digits (0 to F) or asterisk

Explanation: Finish code was not correctly defined.
Corrective Action: Correct the finish code.

CTM73CE INVALID OPTION, SPECIFY "W" (WORD), "C" (CHAR) OR BLANK

Explanation: An invalid option was specified.
Corrective Action: Specify W for word, C for character, or leave blank.

CTM73DE INVALID VALUE. SPECIFY A NUMERIC VALUE (00-255)

Explanation: An invalid value was specified.
Corrective Action: Specify a numeric value in the range from 0 to 255.

CTM73FE INVALID VALUE. SPECIFY A NUMERIC VALUE (00-99999999)

Explanation: An invalid value was specified.
Corrective Action: Specify a numeric value in the range from 0 to 99999999.

CTM73GE INVALID VALUE. SPECIFY A BLANK OR NUMERIC VALUE (00-44)

Explanation: An invalid value was specified.
Corrective Action: Specify a blank or a numeric value in the range from 0 to 44.
CTM73HE PLEASE SPECIFY AN AUTO-EDIT VARIABLE NAME (%VARNAME)

Explanation: An invalid AutoEdit name was specified.
Corrective Action: Specify a valid AutoEdit name beginning with the % characters.

CTM73JE CAPTURED VARIABLE NAME LENGTH CANNOT EXCEED 18 CHARACTERS.

Explanation: The variable name that was specified is too long.
Corrective Action: Specify a variable name with not more than 18 characters.

CTM73KE POOL NAME LENGTH CANNOT EXCEED 20 CHARACTERS.

Explanation: The pool name that was specified is too long.
Corrective Action: Specify a pool name with not more than 20 characters.

CTM740E EXPECTED CONTINUATION NOT RECEIVED (AFTER ",")

Explanation: The DAYS or WDAYS parameter ended with a comma. Additional data is expected after comma.
Corrective Action: Correct the parameter.

CTM741E INVALID SHOUT DESTINATION CODE

Explanation: Invalid SHOUT destination code.
For valid destination codes, see the job production parameters chapter in the Control-M for z/OS User Guide.
Corrective Action: Correct the SHOUT destination field.

CTM742E CANNOT MIX DAYS OPTION WITH WDAYS OPTION

Explanation: Values were set for the DAYS parameter and the WDAYS parameter. The DAYS parameter conflicts with the WDAYS parameter.
Corrective Action: Delete either the value in the DAYS parameter or the value in the WDAYS parameter.

CTM743E DATES PARAMETER CONFLICTS WITH DAYS OR DCAL OPTION

Explanation: Both the DATES parameter and the DAYS, WDAYS or MONTHS parameters were specified. The DATES parameter must appear alone.
Corrective Action: Erase any data in the DAYS, WDAYS and MONTHS parameters.

CTM744E CANNOT MIX DATES OPTION WITH CALENDAR OPTION

Explanation: The DATES parameter and the DCAL, WCAL or CONFCAL parameters were specified simultaneously.
The DATES parameter cannot be specified if the DCAL or WCAL or CONFCAL parameter is specified.  
Corrective Action: Delete the value in the DATES field or in the DCAL, WCAL and CONFCAL fields.

CTM745E CANNOT MIX MINIMUM/PDS WITH OPTIONS DAYS, WDAYS, MONTH, DATES OR CALENDAR  
Explanation: The MINIMUM or PDS parameter was specified simultaneously with the DAYS, WDAYS, MONTHS, DATES or CALENDAR parameters.  
The MINIMUM and PDS parameters cannot be specified with date-related parameters.  
Corrective Action: Specify either the MINIMUM and PDS parameters or one of the date-related parameters.

CTM746E MINIMUM AND PDS MUST BE FILLED IN TOGETHER  
Explanation: A value was set for the MINIMUM parameter, but the PDS field is empty (or vice versa).  
The MINIMUM and PDS parameters must be filled in together.  
Corrective Action: Fill in both the MINIMUM and PDS fields.

CTM747E PLEASE FILL IN THE "IN" PREREQUISITE CONDITION NAME  
Explanation: There is no IN prerequisite condition name.  
The condition date reference was specified without a corresponding prerequisite condition name.  
Corrective Action: Fill in the IN prerequisite condition name field.

CTM748E PLEASE FILL IN THE "CONTROL" RESOURCE NAME  
Explanation: Missing control resource name. The control resource type was specified without a corresponding control resource name.  
Corrective Action: Fill in the control resource name field.

CTM749E PLEASE FILL IN THE "QUANTITATIVE" RESOURCE NAME  
Explanation: Missing quantitative resource name. The quantitative resource quantity was specified without a corresponding quantitative resource name.  
Corrective Action: Fill in the quantitative resource name field.

CTM750E PLEASE FILL IN THE PREREQUISITE CONDITION NAME  
Explanation: Missing prerequisite condition name in DO COND statement.  
At least one condition is expected in DO COND statement.  
Corrective Action: Fill in the prerequisite condition name.

CTM751E PLEASE FILL IN NEW CLASS (ONE LETTER)  
Explanation: Missing new class on SYSOUT option C.
When you specify C (Change sysout class) as the SYSOUT option, a 1-letter new class parameter is needed.

**Corrective Action:** Fill in the new class (one letter).

**CTM752E PLEASE FILL NEW DESTINATION (1-8 LETTERS)**

**Explanation:** Missing new destination on SYSOUT option N. When SYSOUT option N is specified to change the sysout destination, a destination code is needed. Maximum length is 8 characters.

**Corrective Action:** Fill in the new destination (1-8 characters).

**CTM753E PLEASE FILL IN FILE NAME**

**Explanation:** Missing file name on SYSOUT option F. When SYSOUT option F is specified to copy the sysout to a file, a file name is needed. Maximum length is 44 letters.

**Corrective Action:** Fill in the file name.

**CTM754E REDUNDANT TEXT IN SYSOUT DATA FIELD**

**Explanation:** The sysout data field contains data which is not relevant to the sysout option specified.

**Corrective Action:** Erase the redundant text.

**CTM755E USE OF PREV/NEXT DATE REFERENCE CONFLICT PDS/MINIMUM OPTIONS**

**Explanation:** A PREV (or NEXT) date reference has been specified for a job scheduled by the PDS parameter. There is no next date or previous date when the job is scheduled according to the status of the library.

**Corrective Action:** Use another valid date reference.

**CTM756E ONLY CODE OPTION "-" ALLOWED FOR DATE REFERENCE $$$$$/******

**Explanation:** Code option + specified for a generic date reference. It is impossible to ADD a prerequisite condition on all possible dates of the year.

**Corrective Action:** Either enter "+" in the code option or use a different date reference.

**CTM757E RERUN OPTION CONFLICTS WITH CYCLIC TASK TYPE**

**Explanation:** The RERUN option has been specified for a CYCLIC task type. You cannot use the RERUN option for a CYCLIC task type.

**Corrective Action:** Omit the RERUN option.

**CTM758E PLEASE FILL IN STEP NAME BEFORE THE FINISHING CODE**

**Explanation:** A job or step finishing code appears without a step name. A step name is obligatory in an ON STEP CODES statement. For more details, see the job production parameters chapter in the *Control-M for z/OS User Guide*.
Corrective Action: Fill in the step name or erase the finishing code.

CTM759E MAXIMUM 245 FINISHING CODES FOR ONE STEP
Explanation: Too many finishing codes for one step. The maximum number of finishing codes for one step is 245.
Corrective Action: If you want to use more finishing codes, you can open a new ON STEP statement.

CTM760E AT LEAST ONE FINISHING CODE IS EXPECTED AFTER PREVIOUS STEP NAME
Explanation: A step name is not followed by at least one finishing code. For more details, see the job production parameters chapter in the Control-M for z/OS User Guide.
Corrective Action: Specify a finishing code.

CTM761E PLEASE FILL IN THE PREVIOUS STEP/CC LINE
Explanation: A DO statement is filled in, but the previous STEP/CC line is empty. The ON STEP CODES line is obligatory in CODES statement.
Corrective Action: Fill in the previous ON STEP CODES line or erase the DO statement.

CTM762E REDUNDANT TEXT IN SHOUT PARAMETER
Explanation: The SHOUT WHEN statement contains data which is not relevant to the shout option specified.
Corrective Action: Erase the redundant text.

CTM763E PLEASE FILL IN PREREQUISITE NAME FOR SHOUT OPTION "COND"
Explanation: A prerequisite name for a SHOUT option is missing. For more details, see the job production parameters chapter in the Control-M for z/OS User Guide.
Corrective Action: Fill in a prerequisite name.

CTM764E INVALID SHOUT REFERENCE. USE "- " OR BLANK
Explanation: A SHOUT reference is invalid.
Valid SHOUT references are:
- " " (Blank) - for checking the existence of a condition
- "- " - for checking the absence of a condition.
Corrective Action: Type "- " in the SHOUT reference field, or leave the field blank.

CTM765E PLEASE FILL IN THE SHOUT LINE BEFORE THIS MESSAGE LINE
Explanation: A message is filled in, but the SHOUT line that precedes it is empty.
Corrective Action: Fill in the SHOUT WHEN field. If necessary, fill in the TO destination field also.
INCONTROL for z/OS Messages Manual

CTM766E PLEASE FILL IN THE MESSAGE
Explanation: There is no message in the SHOUT statement.
Corrective Action: Fill in the message.

CTM767E CONFLICT BETWEEN "OK", "NOTOK" AND "RERUN" FOR THE SAME STEP
Explanation: There is a conflict of actions for the same ON STEP statement. A job cannot at the same time be OK and NOTOK, or OK and RERUN.
Corrective Action: Select one of the options: OK, NOTOK and RERUN, and omit the rest.

CTM768I TOP OF JOBS LIST
Explanation: This information message indicates that the current job is the first job in the jobs list. The message may appear after entering the command PREVJOB in the Job Zoom screen.
Corrective Action: No action is required.

CTM769I BOTTOM OF JOBS LIST
Explanation: This information message indicates that the current job is the last job in the jobs list. The message may appear after entering the command NEXTJOB in the Job Zoom screen.
Corrective Action: No action is required.

CTM770E PLEASE FILL IN LIBRARY NAME
Explanation: In Control-M, this message indicates that the library name is missing. LIBRARY name is obligatory.
Corrective Action: Fill in a LIBRARY name. For started tasks type the computer ID and started task parameters.

CTM770I INVALID TRACE LEVEL WAS SPECIFIED: xxxxxxxxxxxxxxxx
Explanation: This information message is issued when TRACE is turned on for the IOA online monitor and the trace level is invalid.
When the $IOA-monName, TRACE is set to nnn, the command ON or OFF is used to turn TRACE ON or OFF, and the TRACE level is invalid, this message is issued. The TRACE level may be set to any value from 1 through 256.
The system ignores the command and continues processing.
Corrective Action: Reset the TRACE level to a valid value and try again.

CTM771E PROC STEP MUST BE PRECEDED BY PGM STEP
Explanation: A PROCST (proctep) name has been filled in, but the PGMST field is empty. A PGMST name is obligatory when using PROCST.
Corrective Action: If you really want to reference all the steps in the procedure designated in the PROCST field, insert ANYSTEP in the PGMST field.
CTM771I FORMATTING OF CONTROL-D COMMUNICATION FILE STARTED

**Explanation:** This information message indicates that the Control-D Communication file is currently being formatted.

**Corrective Action:** No action is required.

CTM772E OK, NOTOK AND EXERR CANNOT BE SPECIFIED FOR A SPECIFIC STEP NAME

**Explanation:** OK, NOTOK, or EXERR events have been specified in the same ON STEP statement.

**Corrective Action:** To specify any event (in any case), use the event *****.

CTM772I FORMATTING OF CONTROL-D COMMUNICATION FILE ENDED

**Explanation:** This information message indicates that the formatting of Control-D Communication file by the CTDFRCOM utility has ended.

**Corrective Action:** No action is required.

CTM773E REQUIRED CALENDAR DEFINITION IS MISSING

**Explanation:** The option used in the DAYS or WDAYS parameter requires a name of a calendar to work with.

**Corrective Action:** Either correct the DAYS or WDAYS definition, or enter a calendar name.

CTM773S FORMATTING OF CONTROL-D COMMUNICATION FILE - WRITE I/O ERROR

**Explanation:** An I/O error occurred during formatting of the Control-D Communication file. This may occur when there is incompatibility between the definition of the Communication file in the Installation Parameters (COMSIZE in CTDPARM) and the JCL SPACE or DCB parameters.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct either the JCL or the Installation Parameters.

CTM774E PERIOD IDENTIFIER SPECIFIED IS INVALID

**Explanation:** The period identifier specified in a DnPi date selection is invalid. It must be A-Z, 0-9, or * (except Y and N).

**Corrective Action:** Specify a valid period identifier.

CTM774S CONTROL-D COMMUNICATION FILE WAS NOT BUILT

**Explanation:** The CTDFRCOM utility failed.

**Corrective Action:** Look for previous error messages that describe the type of error.
**CTM775I  monName - validModifyParm**

**Explanation:** This information message follows the CTM649E message, which is issued when a MODIFY command parameter is invalid.

**Corrective Action:** No action is required.

**CTM776I  monName - SHUT DOWN UPON REQUEST FROM OPERATOR**

**Explanation:** This information message indicates that the specified Online monitor is shutting down because of an operator’s request.

**Corrective Action:** No action is required.

**CTM777E  "FROM" FIELD SHOULD BE BLANK**

**Explanation:** A value was specified in the FROM field, but the field should be blank. The FROM field indicates how the next run time of the job should be calculated. A value should only be specified in one of the following circumstances:

- The TASKTYPE value is CYC, indicates a cyclic job (valid values are CYC, CST, ECJ, or ECS)
- The MAXRERUN field contains a value

Neither of these criteria applies to this job. Therefore, no value should be specified.

**Corrective Action:** Delete the value in the FROM field.

**CTM777I  monName - ONLINE MONITOR INITIALIZATION STARTED**

**Explanation:** This information message indicates that the specified Online monitor was started and is currently building the required internal environment.

**Corrective Action:** No action is required.

**CTM778E  VALID VALUES ARE 'TRGT', 'STRT', OR 'END'**

**Explanation:** Either an incorrect value or no value was specified in the FROM field. This message displays available valid values, one of which should be specified.

The FROM field indicates how the next run time of the job should be calculated. A valid value must be specified when TASKTYPE is set to CYC, indicating a cyclic job, or if the MAXRERUN field contains a value. This job satisfies one of those criteria.

Valid values are:

- **STRT** - The interval between runs from the start of execution of a job.
- **END** - The interval between runs from the end of the job run.
- **TRGT** - The interval between runs from the start of the previous interval.

**Corrective Action:** Specify one of the above values for the job.

**CTM778I  monName - ONLINE MONITOR INITIALIZATION COMPLETED**

**Explanation:** The monName Online monitor is ready to serve the user’s sign-on request.
Corrective Action: No action is required.

CTM779E monName - ONLINE MONITOR INITIALIZATION FAILED RC rc IN STEP step#

Explanation: The specified Online monitor initialization has encountered an internal error. The following step and return codes can appear in the message:

<table>
<thead>
<tr>
<th>Step Code</th>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>04</td>
<td>IOA component already active.</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>Subsystem name not supplied.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Subsystem executor not found.</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Insufficient storage.</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Subsystem already active for a different IOA release.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>IOAOMON already active for a different IOA release.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Invalid parameters passed to the initialization routine.</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Internal error.</td>
</tr>
<tr>
<td>0002</td>
<td></td>
<td>ECBLIST could not be obtained in CSA/ECSA</td>
</tr>
<tr>
<td>0003</td>
<td></td>
<td>Cross-memory environment establishment error AXSET).</td>
</tr>
<tr>
<td>0004</td>
<td></td>
<td>Cross-memory environment establishment error (LXRES).</td>
</tr>
<tr>
<td>0005</td>
<td></td>
<td>(ETCRE).</td>
</tr>
<tr>
<td>0006</td>
<td></td>
<td>(ETCON).</td>
</tr>
<tr>
<td>0007</td>
<td></td>
<td>IOAOMON could not be made non-swappable.</td>
</tr>
<tr>
<td>0009</td>
<td>08</td>
<td>IOAOMON own ASCB not found.</td>
</tr>
</tbody>
</table>

The specified online monitor will shut down.
**Corrective Action:** Act according to the step number and return code as follows:

<table>
<thead>
<tr>
<th>Step Code</th>
<th>Return Code</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>08</td>
<td>Verify that the subsystem name is defined.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Verify that the subsystem name is defined.</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Try again.</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Verify that the subsystem is used solely by the current IOA version of IOAOMON.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Verify that the subsystem is used solely by the current IOA version of IOAOMON.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Forward problem to IOA representative.</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Forward problem to IOA representative.</td>
</tr>
<tr>
<td>Step 0002</td>
<td></td>
<td>Try again.</td>
</tr>
<tr>
<td>From 0003 through 0009</td>
<td></td>
<td>Forward problem to your INCONTROL representative.</td>
</tr>
</tbody>
</table>

**CTM77AI USER userId WAS CANCELED DUE TO TIMEOUT**

**Explanation:** This information message indicates that the communication session with the specified user was terminated because no data was transmitted during a period of time which exceeded the timeout interval.

This message is generated by the CTMXSND program, which communicates with the OMON cross-memory monitor.

**Corrective Action:** No action is required.

**CTM77BE VALID VALUES ARE 'S' 'R' 'N' OR 'A'**

**Explanation:** An invalid value was specified in the DYNAMIC INSERT JOB INTO GROUP field of the Confirmation Window for a FORCE/ORDER option in a Job List Screen.

Valid value for this field are:
S - This opens a panel with a list of all group entities, and allows the user to select the group entity to force the job into the Active Job File. The Order ID of each group is displayed.

R - Add the job to the group entity (in the Active Job File) that was most recently ordered.

N - Force a job belonging to a group entity, and the group entity itself, to the Active Jobs File.

A - Default value. Force a job or a group entity to the Active Jobs File.

Corrective Action: Specify a valid value.

CTM77DE VALUE 'N' NOT ALLOWED FOR REGULAR JOB

Explanation: The value specified in the DYNAMIC INSERT JOB INTO GROUP field of the Confirmation window for the FORCE/ORDER option for a regular job definition is invalid.

Corrective Action: Specify one of the following values:

S - Selects the group entity to force the job into the Active Jobs file.

R - Adds the job to the group entity that was most recently ordered.

A - Forces the job into the Active Jobs file.

CTM77FE VALID VALUES ARE 'STRT' AND 'END'

Explanation: For CYCLIC type 'V' (Varying intervals), the FROM value must be either STRT or END.

Corrective Action: Correct the field contents.

CTM780I monName - NO USER IS SIGNED ON TO THIS ONLINE MONITOR

Explanation: This information message is displayed when the operator inquires about active users in the specified Online monitor, but there are none.

Corrective Action: No action is required.

CTM781E monName - INSUFFICIENT STORAGE FOR USER usr: SIGN ON FAILED

Explanation: There is insufficient virtual storage in the Online monitor address space. The user sign-on request is terminated.

Corrective Action: Do the following:

1. Increase the REGION size of the Online monitor.
2. If the problem persists, reduce the number of users allowed to sign on to the Online monitor by lowering the value of the MAXSESS parameter of the specific monitor in IOAXPRM. For more details, see the description of installing the IOA Online monitor in the INCONTROL for z/OS Installation Guide.

CTM782E monName - INSUFFICIENT STORAGE FOR INITIALIZATION

Explanation: Highlighted, unrollable message.

There is insufficient memory for the online monitor. The monName online monitor will shut down.
Corrective Action: No action is required.

CTM783W monName - CONTROLM YES PARAMETER WILL BE IGNORED
Explanation: There is a contradiction between the CONTROLM parameter in Control-D Installation Parameters (CTDPARM) and the parameters file (member) allocated by the DAXMMIN DD statement. The CONTROLM YES parameter is ignored.
Corrective Action: Correct the parameters file allocated to the DAXMMIN DD statement and correct CTDPARM.

CTM784E monName - AN ONLINE MONITOR WITH THE SAME STC NAME IS ALREADY ACTIVE
Explanation: The operator entered a START command in order to activate a monitor. Control-D and Control-M online monitors may work simultaneously provided that each monitor uses a unique name. The newly started online monitor terminates.
Corrective Action: If an additional online monitor is needed, define another JCL procedure with a different name to support it.

CTM785I EXISTING USERS (IF ANY) ARE NOT USING A TREE
Explanation: A DISPLAY TREES inquiry has been made, but no users are using a Control-D Recipient Tree.
Corrective Action: No action is required.

CTM786I monName - NEW TREE LOADED. NEW USERS WILL BE SIGNED ON TO THE NEW TREE
Explanation: This information message indicates that the operator has modified the Online monitor with the LOADTREE command. A new tree was loaded from the data set (member) allocated to the DATREE DD statement. The new tree will be in effect for all users who sign on from this point in time.
Corrective Action: No action is required.

CTM787W monName - MAXIMUM NUMBER OF TREES LOADED. A TREE MUST BE FREED IN ORDER TO LOAD A NEW ONE
Explanation: The operator entered a LOADTREE command but there are already five trees in storage. Only five tree copies can be loaded.
Corrective Action: Wait and retry. A tree is freed when the last user session working with that tree leaves the user screen, or is cancelled.
CTM788I  monName - THE FOLLOWING USERS ARE SIGNED ON TO TREE NUMBER num

Explanation: This information message is the result of a DISPLAY TREES inquiry to one of the online monitors. It acts as a header for the CTM789I message. The message is displayed for each Recipient Tree that is loaded in the online monitor.

Corrective Action: No action is required.

CTM789I  monName - userId1 userId2 ...

Explanation: This information message displays the result of a DISPLAY TREES inquiry to one of the online monitors. It is displayed for each group of six users.

The variables in this message are:
- monName - the name of the online monitor started task
- userId - the user ID of the person that is using the Recipient Tree

Corrective Action: No action is required.

CTM78AE  ioamon stc name INITIALIZATION OF THE LIBRARY ddName FAILED

Explanation: The IOA online monitor could not process the library referenced by the ddName DD statement. The error occurred when the IOA online monitor address space attempted to initialize processing for the library or a member within the library.

The IOA online monitor terminates with a return code of 8.

Corrective Action: Check for the presence of the ddName DD statement, the library referenced by it, and the member name in the ALC allocation member and in the JCL for the monitor. Add the missing entry or correct the entry in error. Restart the IOA online monitor.

CTM78BE  ioamon stc name MEMBER PRMXMM WITH COMMON COMMANDS AND PFKEYS IS NOT FOUND

Explanation: The IOA online monitor did not find the PRMXMM member in the IOA PARMCMD library. The library referenced by the DACMDCU DD statement under the IOA online monitor does not contain the PRMXMM member, which internally defines common COMMANDS and PFKEYS.

The IOA online monitor terminates with a return code of 8.

Corrective Action: Ensure that the DACMDCU DD statement correctly refers to the IOA PARMCMD library. Ensure that the PRMXMM member exists in the library. If the problem persists, contact BMC Customer Support.
**CTM78CI ioaomon stc name MEMBER memName WITH COMMANDS OR PFKEYS IS NOT FOUND**

**Explanation:** The IOA online monitor did not find the COMMAND or PFKEYS member in the IOA PARMCMD library. The libraries referenced by the DACMDCU and DAPFCMD DD statements under the IOA online monitor do not contain the COMMAND member or the PFKEYS associated with the currently displayed screen.

The IOA online monitor continues execution. Problems may occur when attempting to execute commands entered on the user’s screen.

**Corrective Action:** Do the following:

- Ensure that the DACMDCU and DAPFCMD DD statements correctly refer to the IOA PARMCMD library.
- Ensure that all necessary COMMAND and PFKEYS members exist in the library.
- If the problem persists, contact BMC Customer Support.

**CTM78DE jobName JOBNAME NOT DEFINED IN IOAXPRM**

**Explanation:** When starting up, the jobName IOA Online monitor was not found in IOAXPRM (either explicitly, or by mask).

The IOA Online monitor terminates.

**Corrective Action:** Use a valid job name, or make the necessary changes to IOAXPRM, and restart the monitor.

**CTM78EE jobName WRONG LEVEL OF IOAXPRM**

**Explanation:** The eye-catcher of the IOAXPRM member was not found in storage. The probable cause is that the eye-catcher was overwritten by another module.

The startup of the IOA monitor stops.

**Corrective Action:** Contact your INCONTROL administrator. If no solution can be found for the problem, contact BMC Customer Support.

**CTM790E SECURITY VIOLATION details**

**Explanation:** where details is PASSWORD IS NOT AUTHORIZED or PASSWORD HAS EXPIRED.

An invalid or expired password has been specified in the IOA Online Entry Panel.

The logon request is denied.

**Corrective Action:** If details is PASSWORD IS NOT AUTHORIZED, reenter your password (three attempts to enter the correct password are allowed). If details is PASSWORD HAS EXPIRED, renew your password and try again.

**CTM791S USER IS NOT AUTHORIZED TO ENTER IOA ENVIRONMENT**

**Explanation:** The IOAX006 or IOAX009 IOA user exit indicated that the user cannot use the IOA Online facility.

The IOA Online facility terminates.
Corrective Action: No action is required.

CTM792E PLEASE FILL IN THE USER ID AND PASSWORD AND PRESS ENTER

Explanation: Either the USER ID or PASSWORD field in the IOA Online Entry Panel is empty.
Corrective Action: Fill in the missing information, either USER ID field or PASSWORD field.

CTM793I monName - ONLINE MONITOR SHUTTING DOWN

Explanation: Highlighted, unrollable message.
The monName Online monitor is shutting down.
Corrective Action: No action is required.

CTM794I monName - USER usr NOT FOUND

Explanation: A DISPLAY USER=usr inquiry was entered with a user name (usr) which is not active in the specified Online monitor.
Corrective Action: No action is required.

CTM795I monName - USER usr CANCELLED

Explanation: The usr Online user was cancelled upon operator's request. The usr user session will be terminated.
Corrective Action: No action is required.

CTM796E INVALID "ON STEP CODES" ARGUMENTS FOR A "DUMMY" JOB

Explanation: Arguments are specified in the ON PGMST statement of a DUMMY job. The ON PGMST, PROCST and CODES fields in the ON PGMST statement must be blank for a DUMMY job. Since DUMMY jobs are not actually submitted, you cannot check how they finished. They always finish OK.
Corrective Action: Clear the ON PGMST, PROCST and CODES fields for this DUMMY job.

CTM797E ONLY ONE IF RERUN STATEMENT IN EACH "ON PGMSTEP"

Explanation: A second DO IF RERUN action was entered for the same ON PGMSTEP. Only one DO IF RERUN action is allowed per ON PGMSTEP.
Corrective Action: Use the existing DO IFRERUN for defining the requested restart processing for this ON PGMSTEP.

CTM798E "IFRERUN" CANNOT BE USED WITH "RERUNMEM"

Explanation: A DO IFRERUN action was entered for a task that has a recovery member defined in the RERUNMEM field. RERUNMEM and DO IFRERUN are mutually exclusive. Restart is only allowed for the same member.
Corrective Action: Decide whether RERUNMEM or restart processing is needed and define the job accordingly.
CTM799E {IF RERUN | CTBSTEP | OVERLIB} IS NOT SUPPORTED FOR A STARTED TASK

**Explanation:** The user has typed a DO IF RERUN, DO IF OVERLIB, or DO IF CTBSTEP action for a started task (STC) task type. STC and DO IF RERUN, DO IF OVERLIB, DO IF CTBSTEP are mutually exclusive.

**Corrective Action:** Decide whether STC type or restart processing is needed and define the task accordingly.

CTM79AE "STOPCYCL" OPTION IS VALID FOR CYCLIC TASK TYPE ONLY

**Explanation:** A DO STOPCYCL post-processing parameter was specified in the job scheduling definition for non-cyclic job or task. DO STOPCYCL can only be specified for cyclic jobs or cyclic started tasks.

**Corrective Action:** Delete the DO STOPCYCL parameter.

CTM7A0I monName - VTAM MONITOR INITIALIZATION STARTED

**Explanation:** This information message indicates that the monName VTAM monitor started, and is currently building the required internal and external environments. This is a normal start message for the VTAM monitor initialization process.

**Corrective Action:** No action is required.

CTM7A1I monName - VTAM MONITOR INITIALIZATION COMPLETED

**Explanation:** This information message indicates that the monName VTAM monitor is ready to serve the user's sign-on requests.

**Corrective Action:** No action is required.

CTM7A2E monName - VTAM MONITOR INITIALIZATION FAILED IN STEP stepName

**Explanation:** The monName VTAM monitor initialization has encountered an internal error. The monName VTAM shuts down.

**Corrective Action:** Check the contents of the IOA Log and the system log for prior messages to determine the reason for the failure. If you cannot determine the reason, and the problem recurs whenever you start the VTAM monitor, contact BMC Customer Support.

CTM7A3S monName - VTAM MONITOR ENDED WITH ERROR

**Explanation:** A severe error has occurred. The monName IOA VTAM monitor is shutting down. Detailed information on this error is available in the messages which were previously displayed on the operator console.

The monName IOA VTAM monitor shuts down.

**Corrective Action:** Check the system log for additional messages.
CTM7A4I  monName - VTAM MONITOR SHUTTING DOWN

Explanation: This information message is displayed when the monName VTAM monitor is shutting down.
Corrective Action: No action is required.

CTM7A5E  monName - VTAM ACB FOR APPLID applId IS NOT DEFINED TO VTAM OR IT IS NOT CURRENTLY ACTIVE

Explanation: The monName VTAM monitor is unable to open the ACB for the specified application ID, such as, CTMS. The VTAM monitor opens the ACB as part of its initialization. This action is required before a LOGON can be issued. Possible causes are:
- VTAM is down.
- The VTAM application ID is inactive.
- The application is not defined to VTAM.

Corrective Action: Check that the application ID is defined, and that it is active. The command VARY NET,ACT,ID=applId activates the application. Start the VTAM monitor again.

CTM7A6E  monName - VTAM MONITOR CANNOT OPEN THE VTAM ACB. CHECK THE VTAM APPLICATION DEFINITION

Explanation: The monName VTAM monitor is unable to open the VTAM ACB. The VTAM monitor opens the ACB as part of its initialization. This action is required before a LOGON can be issued. Generally, this message is issued when the cause of the error is not one described in CTM7A5E. Possible causes are:
- VTAM is down.
- The VTAM application ID is inactive.
- The application is not defined to VTAM.

Corrective Action: Check the application definition in VTAM. The command D NET,ID=applId displays the status of the application.

CTM7A7E  monName - VTAM MONITOR CANNOT ISSUE THE SETLOGON COMMAND

Explanation: The monName VTAM monitor is unable to start the logon process. The VTAM monitor cannot accept any logon until the SETLOGON operation completes successfully. Possible causes are:
- A temporary shortage of storage exists for VTAM.
- Some other VTAM problem has occurred.
- A problem exists in the application definition.

Corrective Action: Check the application definition in VTAM. The command D NET,ID=applId displays the status of the application.
**Corrective Action:** Check the application definition in VTAM. The command D NET,ID=applId displays the status of the application.

**CTM7A8I monName - VTAM MONITOR SHUT DOWN UPON REQUEST FROM OPERATOR**

**Explanation:** This information message indicates that the monName VTAM monitor is shutting down based on an operator’s request.

**Corrective Action:** No action is required.

**CTM7A9E monName - VTAM MONITOR UNABLE TO CLOSE ACB**

**Explanation:** The monName VTAM monitor is unable to close the VTAM ACB. During shutdown processing, the VTAM monitor closes the ACB to ensure successful future initialization.

The monName VTAM monitor shuts down.

**Corrective Action:** Refer to prior messages in the system log to determine cause of the VTAM monitor shutdown.

**CTM7AAE monName - INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:**

**Explanation:** An invalid parameter was passed to the monName IOA VTAM monitor by an operator modify command (F). A list of valid modify parameters appear on the operator console following this message. This is a header message for message CTM7ABI.

The modify command is rejected.

**Corrective Action:** Enter a correct modify parameter.

**CTM7ABI monName - validModifyParm(s)**

**Explanation:** This message is issued when an invalid modify parameter has been entered. The header for this message is message CTM7AAE.

**Corrective Action:** No action is required.

**CTM7ACI monName ACCEPTING LOGONS TO access_ctrl_blk**

**Explanation:** This information message indicates that the monName IOA VTAM monitor started successfully and is accepting logons to the access_ctrl_blk access control block.

**Corrective Action:** No action is required.

**CTM7AEI monName - NO USER IS SIGNED ON TO THIS VTAM MONITOR**

**Explanation:** This information message is issued if the operator inquires about active users in the monName VTAM, but there are none.

**Corrective Action:** No action is required.
CTM7AFI  monName SETLOGON GNAMEADD FAILED FOR gname
RTNCD=rtcnd,FDB2=fdb2

**Explanation:** The VTAM generic resource name was not added at logon.

The variables in this message are

- **monName** - the identity of the VTAM monitor
- **gname** - generic resource name
- **rtcnd** - VTAM return code
- **fdb2** - VTAM FDB2

The monName IOA VTAM monitor ignores the failure and proceeds.

**Corrective Action:** Check the VTAM return code and FDB2 in the IBM manuals and correct the problem.

CTM7B0I  monName - TERMINAL TRANSID

**Explanation:** This information message is issued as the result of an operator DISPLAY command to the monName VTAM monitor. This is a header for message CTM7B1I.

**Corrective Action:** No action is required.

CTM7B1I  monName - terminal transid

**Explanation:** This information message is the result of an operator DISPLAY command to the monName VTAM monitor. It is displayed for each active user.

The variables in this message are

- **monName** - the identity of the VTAM monitor
- **terminal** - the identity of the VTAM terminal
- **transid** - the identity of the current transaction supplied as the DATA parameter of the LOGON command.

**Corrective Action:** No action is required.

CTM7B2E  monName - VTAM MONITOR SHUT DOWN UPON VTAM FAILURE OR VTAM OPERATOR COMMAND

**Explanation:** The monName VTAM monitor is shutting down due to VTAM failure or upon operator request. When VTAM fails, or an operator closes the application, such as, by using an INACT command, the VTAM monitor shuts down.

The monName VTAM shuts down.

**Corrective Action:** Refer to prior messages in the system log to determine the cause of the VTAM monitor shutdown.
CTM7B3W stc - VTAM MONITOR, WAITING FOR VTAM STARTUP TO COMPLETE

Explanation: Highlighted, unrollable message.

The VTAM monitor (IOAVMON) cannot be initialized because VTAM is not active. This message is displayed on the console if the VTAM monitor (IOAVMON) is started before VTAM is active, usually at IPL time. When VTAM becomes available, the VTAM monitor will start its initialization process and this message will be deleted.

Wait for VTAM startup to be completed.

Corrective Action: No action is required.

CTM7B5I oper FROM TERMINAL terminal FAILED, WAITING TIME IS OVER

Explanation: This information message is issued if there is a delay of 30 seconds or more in either the IOAVMON logon or the IOAVMON logoff process. The process terminates.

The variables in this message are:
- **oper** -- the identity of the IOAVMON logon or the IOAVMON logoff process
- **terminal** -- the identity of the VTAM terminal

Corrective Action: If the delay occurs in the IOAVMON logon process, determine the reason for the delay and then try to logon again.

Messages CTM800 through CTM8xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTM800E COMMAND NOT FOUND

Explanation: Invalid TSO command supplied.

Corrective Action: Correct the command and re-enter.

CTM801S PROGRAM pgm ABEND CODE abCode

Explanation: The pgm TSO program, which has been activated by the IOA Online interface, abended with the abend code abCode.

Corrective Action: You can continue working on any of the IOA screens.

CTM802S BLDL/LOAD FAILED FOR CTMTCON - "CTxTTRA" FACILITY NOT AVAILABLE

Explanation: BLDL/LOAD for the CTMTCON module failed (the DATRA DD statement). The DATRA DD statement should describe the IOA MINILOAD library which is used by the IOA screen transfer facility.

Corrective Action: Press Enter to enter the TSO command. To return to other IOA screens, exit the TSO command or application. Trying to use the TSO CTMTTRA or CTDTTRA command causes an error.
Correct the CLIST used to enter the IOA online interface so that you will not have to enter or exit TSO applications, such as ISPF, in an inconvenient way.

**CTM803S PROGRAM pgm ACTIVE, CANNOT EXIT**

**Explanation:** You entered an X command in one of the IOA screens, but the TSO program is still active. IOA expects you to exit the TSO application in an orderly manner.

**Corrective Action:** Press Enter to enter the TSO application. Exit from the TSO application. You will exit the IOA online interface. You cannot return to one of the IOA screens after you have entered the X command.

**CTM804S OPEN FAILED FOR DDNAME "DATRA"- "CTxTTRA" FACILITY NOT AVAILABLE**

**Explanation:** Opening of IOA MINILOAD file failed (the DATRA DD statement) during activation of a TSO application.

Activation of the IOA Online Transfer Facility requires loading of a special module from the IOA MINILOAD library. When this module is not loaded, the transfer facility does not function, but the TSO command is executed normally.

Possible causes are:
- The DATRA DD statement is missing.
- There is insufficient memory.

**Corrective Action:** Press Enter and you will enter the TSO command. To return to other IOA screens, exit the TSO command or application. Trying to use the CTMTTRA or CTDTTRA TSO command causes an error.

Correct the CLIST used to enter the IOA online interface so that you will not have to enter or exit TSO applications, such as ISPF, in an inconvenient way.

**CTM805I CLISTS NOT SUPPORTED YET**

**Explanation:** This information message states that CLISTS are not yet supported by Control-M or Control-D.

**Corrective Action:** Perform the CLIST under ISPF.

**CTM806E MISSING OR INVALID TRANSFER PARAMETER**

**Explanation:** A missing or invalid transfer parameter was supplied to the CTMTTRA or CTDTTRA TSO command. The transfer parameter should be one of the IOA screens or X. It must be specified in the command line of the TSO application (for example, ISPF).

Transfer is not performed.

**Corrective Action:** Press Enter to return to the TSO command, and enter a correct parameter.
CTM807E MAXIMUM TSO LEVELS EXCEEDED. CANNOT OPEN "CTxTTRA" ENVIRONMENT

Explanation: More than four levels of IOA Online interface have been opened, one under the other. Only four TSO levels are allowed for the transfer facility.

You can open more than four TSO levels, but the system will not allow a transfer between them.

Corrective Action: Either use the END command to exit at least one TSO level, or do not transfer between TSO levels.

CTM808E MEMBER $$ID IS IN USE BY ANOTHER USER (RC=rc)

Explanation: The $$ID member in the JCL library that was specified in the //*CONTROLM statements is being held by you or another user. This member is being held for editing. It must be released if the job is to be ordered.

The job is not ordered.

Corrective Action: Try to resubmit the job. If it fails again, find out who is holding the member, and have the member released.

CTM809E DYNAMIC ALLOCATION OF DDNAME "DAINTRDR" FAILED, RC=rc,errorCode

Explanation: Dynamic allocation of internal reader (INTRDR) by the Control-M Quick Submit command failed. This message appears while trying to submit a job under ISPF by the Control-M Quick Submit command.

The variables in this message are:

- rc - the return code of the failed allocation
- errorCode - the error code and information code that were returned from that SVC

The job is not submitted.

Corrective Action: Refer to IBM documentation on dynamic allocation. Compare with the data in the message and correct accordingly.

CTM810E SUBMIT FAILED - OPEN OF DDNAME "DAINTRDR" FAILED

Explanation: Open of the DAINTRDR dynamically allocated DD statement failed (Control-M Quick Submit command).

The job is not submitted.

Corrective Action: Look for additional information that will clarify the reason for the problem, for example, the console log, TSO sysout, and the like.

CTM811E INTERNAL ERROR IN CTMQSB - NOTIFY THE IOA ADMINISTRATOR error_code,rc

Explanation: An internal error occurred in either the Quick Submit program (CTMQSB) or a user program that calls the CTMAJO Control-M routine.
The job is not ordered.

**Corrective Action:** If `error_code,rc` is `SELECTAB`, **xx** the CTMAJO routine returned an unknown return code (**xx**) to the calling program.

- If this error was encountered during an ISPF submit command, call the INCONTROL administrator.
- If it occurred in a user program, correct it to support all the possible return codes that the CTMAJO routine can return.
- Otherwise, call your INCONTROL administrator.

---

**CTM812E** **MISSING/INVALID INFORMATION IN "/*CONTROLM" CARDS (RC=rc)**

**Explanation:** The "/*CONTROLM" statement or statements in the job contain invalid or insufficient information for performing the job-order (Control-M Quick Submit Command).

Return codes values:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Only one type of Control-M statement has been found; there should be two: TABLE and JCL.</td>
</tr>
<tr>
<td>08</td>
<td>Invalid keyword as the first parameter in a /*CONTROLM statement.</td>
</tr>
<tr>
<td>12</td>
<td>Missing tables scheduling library parameter.</td>
</tr>
<tr>
<td>16</td>
<td>Missing table name parameter.</td>
</tr>
<tr>
<td>20</td>
<td>Missing JCL library parameter.</td>
</tr>
</tbody>
</table>

The job is not ordered.

**Corrective Action:** Correct the error and submit again.

---

**CTM813E** **UNABLE TO READ TABLE tableName (RC=rc)**

**Explanation:** The Control-M Quick Submit command failed to locate the table member specified in the /*CONTROLM TABLE statement.

Valid values for `rc` are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>There is insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td>The <code>tableName</code> table member was not found in the specified scheduling library.</td>
</tr>
<tr>
<td>36</td>
<td>The library specified was not found.</td>
</tr>
</tbody>
</table>
The job is not ordered.

**Corrective Action:** Correct the error and submit the job again.

**CTM814E UNABLE TO READ THE $$ID MEMBER. (RC=rc)**

**Explanation:** Open or read of the $$ID member in the JCL library failed. (Control-M Quick Submit command).

Possible return code values, and their explanations, are:

- 12 - The $$ID member is not in the library specified in the /*CONTROLM JCL statement.
- 36 - The library specified in the /*CONTROLM JCL statement was not found.

The job is not submitted.

**Corrective Action:** Look for additional information that will clarify the reason (for example, the console log, TSO sysout, and so on).

**CTM815E ERROR WHILE UPDATING THE $$ID MEMBER. (RC=rc)**

**Explanation:** Update of the $$ID member in the JCL library failed (Control-M Quick Submit command). A return code of 56 indicates a D37 abend on the library specified in the /*CONTROLM JCL statement.

The job is not submitted.

**Corrective Action:** Look for additional information that will clarify the reason. For a return code of 56, compress or enlarge that library.

**CTM816E ERROR WHILE SAVING THE JOB. (RC=rc)**

**Explanation:** Writing the job to the JCL library failed (Control-M Quick Submit command).

Possible values of rc, and their explanations, are:

- 56 - There is insufficient space (abend D37) in the library specified in the /*CONTROLM JCL statement. Possible reasons are:
  - The directory is full in the library specified in the /*CONTROLM JCL statement.
  - The data set needs a secondary extent, but DASD space is not available.
  - A security violation has occurred.
  - 64 - The member already exists or there is no space in the directory.

The job is not submitted.

**Corrective Action:** Do one of the following:
- If the return code is 56, compress or enlarge the appropriate library.
- If the return code is 64, there is a member in that library with the same name. Determine the reason and correct the problem.

**CTM817E INVALID ID-NUMBER IN THE $$ID MEMBER**

**Explanation:** The five characters in the first line of the $$ID member in the JCL library are not numeric. There should be one line containing the current ID. It should be five numeric digits, and left-justified.

The job is not submitted.

**Corrective Action:** Correct the $$ID member accordingly.

**CTM821I MANUAL-COND cond ODATE odate action**

**Explanation:** This information message displays the results from NEW or ERASE command. The condition cond of the odate original scheduling date was either erased from the Manual Conditions file or added to the Manual Conditions file.

**Corrective Action:** No action is required.

**CTM822E MISSING PARAMETER OF NEW REQUEST**

**Explanation:** The NEW command was supplied without any additional parameter. At least one parameter is expected after the NEW command. Valid parameters are COND, LCOND or CONDITION.

**Corrective Action:** Supply the correct command.

**CTM823E INVALID TYPE IN NEW REQUEST**

**Explanation:** Invalid NEW type supplied. At least one parameter is expected after the NEW command. Valid parameters are COND, LCOND or CONDITION.

**Corrective Action:** Specify the requested NEW type.

**CTM824I MANUAL-COND cond ODATE odate EXISTS**

**Explanation:** This information message indicates that the condition added by the NEW command already exists in the file.

Addition request ignored.

**Corrective Action:** No action is required.

**CTM825E NEW FOR cond ODATE odate FAILED. FILE IS FULL**

**Explanation:** The Manual Conditions file is full.

The condition is not added to the file.

**Corrective Action:** Try to delete conditions from the specified day in other months of the year. If you need all the conditions in the file for all the months, then consult your system programmer about the possibility of increasing the capacity of the IOA Manual Conditions file.
CTM826E CONDITIONS FILE OR MANUAL CONDS FILE IN USE, PLEASE TRY AGAIN LATER

Explanation: Another user or another IOA component is currently updating the file. The command requested is not performed.
Corrective Action: Try again.

CTM828E UNEXPECTED RETURN CODE FROM CTMUNR

Explanation: Internal error. Invalid return code from the CTMUNR Control-M internal utility. The function requested is not performed.
Corrective Action: Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

CTM829S INTERNAL ERROR - INVALID REQUEST TO CTMUNR

Explanation: Internal error. Invalid request to the CTMUNR IOA internal utility. The function requested is not performed.
Corrective Action: Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

CTM830S INTERNAL ERROR - INVALID RESOURCE TYPE (CTMUNR)

Explanation: Internal error. Invalid resource type passed to the CTMUNR IOA internal utility. The function requested is not performed.
Corrective Action: Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

CTM831E MANUAL-COND cond ODATE odate IS NOT IN THE FILE

Explanation: The cond condition that was marked for addition (the A option) has been deleted from the Manual Conditions file. While you were working on the screen, another IOA user deleted the condition from the Manual Conditions file. The condition is not added to the Conditions file.
Corrective Action: Manually add the deleted condition to the Manual Conditions file using Screen 4.

CTM832E AT LEAST ONE OF "PENDING" OR "ADDED" MUST BE "Y"

Explanation: Neither the PENDING nor the ADDED option is marked as Y.
Corrective Action: Mark one retrieval option as Y.

CTM833S INTERNAL ERROR. INVALID RETURN CODE FROM CTMUNR

Explanation: Internal error. Invalid return code from the CTMUNR Control-M internal utility.
**Corrective Action:** Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

CTM834S OPEN OF IOA MANUAL CONDITIONS SYNC FILE FAILED

**Explanation:** Open of the IOA Manual Conditions Synchronization file failed. Possible causes are:

- The DANSINC DD statement is missing.
- The file allocated to the DANSINC DD statement is not the IOA Manual Conditions Synchronization file.
- The file allocated to the DANSINC DD statement is the IOA Manual Conditions Synchronization file, but is a different version or for a different IOA installation.

**Corrective Action:** Correct the JCL for the job or the allocations of the CLIST.

CTM835S FILE ALLOCATED TO DDNAME "DANSINC" IS NOT THE MANUAL SYNC FILE

**Explanation:** The file allocated to the DANSINC DD statement is not the Manual Conditions Synchronization file. Possible causes are:

- The file allocated to the DANSINC DD statement is not the IOA Manual Conditions Synchronization file.
- The file allocated to the DANSINC DD statement is the IOA Manual Conditions Synchronization file, but it is a different version or for a different IOA installation.

**Corrective Action:** Check your TSO user allocations, and check for specific messages on the system log.

CTM836E VALID VALUES ARE 'P' 'N' '-' OR '+'

**Explanation:** The SAC job scheduling parameter for a Group entity scheduling definition contains an invalid value.

Valid values for SAC for a group entity job definition are:

- P - previous day
- N - next day
- - (minus sign) - previous day only
- + (plus sign) - next day only

**Corrective Action:** Correct the value.

CTM837E VALID VALUES ARE 'P' OR 'N'

**Explanation:** The SAC job scheduling parameter for a job scheduling definition contains an invalid value.

Valid values for SAC for a job scheduling definition are:

- P - previous day
- N - next day

**Corrective Action:** Correct the value.
CTM846S INSUFFICIENT SPACE FOR type cond odate

Explanation: The output IOA Conditions file has insufficient space for all the prerequisite conditions from
the input file. The combination of the LRECL parameter with the CNDREC# parameter is smaller in the
output file than in the input file, and some prerequisite conditions in the input file could not be copied to
the output file.

The variables in this message are:

- **type** - the type of condition
- **cond** - the condition name
- **odate** - the original date

Conversion or copying of the file stops. The content of the output file is unpredictable.

Corrective Action: Create a larger output file and run the utility again.

CTM850S modName BLDL FAILED FOR MODULE

Explanation: BLDL for the modName module failed.

Probable causes are:

- The module is not in one of the load module libraries used by the IOA Online Facility (Linklist, STELIB or invoked CALL library).
- There is insufficient memory to load the program.

The modName module is not activated. Control is returned to the calling program. The IOA Online
Facilities may abend on initialization.

Corrective Action: Verify whether the module appears in IOA Load library or any other concatenated
load module library.

CTM855S INVALID PARAMETER SUPPLIED TO MODULE mod-name - parm

Explanation: Either an input parameter was omitted from, or an invalid input parameter (parm) was
supplied to, the modName main IOA online module.

The variables in this message are:

- **modName** - the name of the main IOA online module
- **parm** - the identity of the missing or invalid parameter

The modName module expects a series of parameters to be input, describing the environment in which it
is to be activated. The expected parameters are:

```
APPLTYPE=type,APPLID=id
```

In this expression:

- **type** is S (for TSO), R (for KSL), I (for ISPF) or X (for OMEGAMON)
- **id** is the user application ID

The IOA online environment is not built.
**Corrective Action:** Check for errors in the CLIST which activates the IOA online interface.

**CTM856S DDNAME ddName NOT ALLOCATED**
**Explanation:** Highlighted, unrollable message.
The DD name specified in the error message was not allocated before the user entered IOA.
The IOA Online facility terminates.
**Corrective Action:** Allocate the specified DD name and reenter IOA.

**CTM857S PRODUCT productName NOT RECOGNIZED**
**Explanation:** Highlighted, unrollable message.
A user tried to enter IOA using a user-defined transaction member which contained a definition of a product not recognized by IOA.
The IOA Online facility stops.
**Corrective Action:** Correct the product definition in the transaction member and reenter IOA.

**CTM858S MEMBER NAME - memName IN TRANID transMem NOT FOUND IN PARM LIBRARY**
**Explanation:** Highlighted, unrollable message.
A user tried to enter IOA using a user-defined transaction. The TRANID refers to a member which pointed to a PGM member name that did not exist in the parameter library referenced by the DD name DAONLPRM.
The Online facility terminates.
**Corrective Action:** Check that the PGM member is correctly specified in the transaction member. If it is correctly specified in this member, add it to the parameter library. Reenter IOA.

**CTM859E INVALID RC rc FROM routineName ROUTINE**
**Explanation:** The program ended with unexpected return code.
If the CTMRCAL utility is running, rc is 16, and routineName is IOABSR. In this case, the REPTYPE utility control statement is probably missing the S subparameter.
System action depends on the calling program. Execution may continue, or it may stop with a condition code of 08 or 12.
**Corrective Action:** If the REPTYPE utility control statement is missing the S subparameter, specify it with the S subparameter as REPTYPE nS, where n is 0, 1 or 2. Otherwise, notify your INCONTROL administrator.

**CTM859S TRANID MEMBER NOT FOUND - transMem**
**Explanation:** The user tried to enter IOA using a user-defined transaction. TRANID refers to a member that does not exist in the parameter library referenced by the DAONLPRM DD statement.
The IOA Online facility stops.
Corrective Action: Add the transaction member identified in the message to the parameter library and reenter IOA.

CTM85AS INVALID KEYWORD FOUND IN - transMem

Explanation: The user tried to enter IOA using a user-defined transaction. The TRANID refers to a member which contained an invalid keyword.

The Online facility stops.

Corrective Action: Check the keywords in the transaction member and correct them accordingly. See the section on transaction members in the INCONTROL for z/OS Administrator Guide. Reenter the IOA Online facility.

CTM85BS PLEASE CHECK THE TRANID MEMBER - transMem.

Explanation: An internal error occurred when a user tried to enter IOA using a user-defined transaction. The internal error occurred when the IOA Online facility tried to initiate the IOA session using the transaction member identified in the message.

The IOA Online facility stops.

Corrective Action: Supply BMC Customer Support with a printout of the transaction member identified in the message.

CTM85CS ERROR OCCURRED DURING ALLOCATION PROCESS. PLEASE CHECK THE ALC MEMBERS

Explanation: IOA online system failed to allocate a file.

When the IOA Online facility starts up, it allocates all the files needed for the current session. At least one of these files could not be allocated.

Preceding messages detail the files that could not be allocated.

The IOA Online system stops.

Corrective Action: Correct the ALC xxx members according to information from the preceding messages and reenter IOA.

CTM85DS ddName DDNAME IS ALLOCATED. PLEASE FREE IT AND TRY AGAIN

Explanation: The ddName file was already allocated to the IOA Online environment when the IOA Online facility started up.

When the IOA Online facility starts up, certain files are dynamically allocated by it to the IOA environment. In this case, the ddName file identified in the message was already allocated to the IOA environment when IOA started up.

The Online facility terminates.

Corrective Action: Deallocate this DD name from the IOA environment.
CTM85ES MODULE *moduleName* RETURNED WITH RC=*rc*

**Explanation:** A severe error occurred in the *moduleName* module when the user tried to enter an IOA option. In most cases, the called program could not issue an error message.

Valid values for *rc* are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>There is no region below the line for the application.</td>
</tr>
<tr>
<td>12</td>
<td>There is no region above the line for the application.</td>
</tr>
<tr>
<td>16</td>
<td>A severe error occurred. The called program issued an error message.</td>
</tr>
<tr>
<td>20</td>
<td>A severe error occurred. An error message could not be issued.</td>
</tr>
</tbody>
</table>

The called program abends.

**Corrective Action:** The user response depends on the return code, as follows:

- 08 / 12 - In case of TSO, log off and log on again. In case of IOAOMON, stop and restart IOAOMON. If this does not help, reduce the number of IOAOMON users by modifying the MAXSESS parameter in the IOAXPRM member.
- 16 - Follow the instructions in the error message issued by the called program.
- 20 - Contact BMC Customer Support.

CTM85FS MAXIMUM NUMBER OF IOA SESSIONS REACHED

**Explanation:** TSO user tried to activate a fifth IOA session in his TSO address space.

In the TSO environment, the user can activate IOA sessions by executing the IOATSO or IOAISPF CLISTs. IOA allows a maximum of four sessions to be activated. If the user tries to activate a fifth session, this error message is generated.

The fifth session is not established.

**Corrective Action:** Terminate one of the previous sessions in order to initiate a new session.

CTM85IS GLOBAL PROFILE VARIABLES (*PROFILE*) COULD NOT BE ACCESSED

**Explanation:** An attempt to access the *PROFILE* member in the IOAENV library failed.

The most common cause is that the member is held by another user or program. The IOA Online facility is not entered.

**Corrective Action:** Determine which user or program is holding the member, and try to obtain its release.
CTM860E OPTION NOT SUPPORTED YET

Explanation: The requested option is not yet supported. The option will be available in future IOA releases.

Corrective Action: No action is required.

CTM861I PLEASE SELECT OPTION

Explanation: No option selected.

Corrective Action: Select one option.

CTM862S ERROR IN COMMAND MEMBER - CALL SYSTEM PROGRAMMER

Explanation: Each IOA screen is controlled by an external command member that contains a list of all the commands and synonyms supported by the screen. Command members reside in IOA parameter libraries. They should be named TscrCMD1, where scr is the screen name.

Possible causes for this error message are:

- Somebody incorrectly changed the contents of the command member.
- The DACMD xx DD statement is allocated to the wrong library.

For more information on command members, see the section that describes how to define new application types in the IOA chapter of the INCONTROL for z/OS Installation Guide.

Corrective Action: To exit, press PA1 a few times. Allocate the parameters library to the DACMD xx DD statement, where xx is the application ID. If necessary, call your system programmer for assistance.

CTM863W THE CONTROL-M ACTIVE JOBS FILE IS NEARLY FULL

Explanation: Highlighted, unrollable message.

This message is issued when the threshold value specified by the AJFTHRSH CTMPARM parameter is reached. The message is issued in conjunction with message CTML17I, which displays the percentage of the Active Jobs file currently utilized.

Corrective Action: Contact your INCONTROL administrator immediately. It may be necessary to compress the Active Jobs file or to increase its size.

CTM864I PLEASE NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

This message is usually issued after a severe Control-M error that must be handled by an experienced Control-M person.

Corrective Action: Contact your INCONTROL administrator immediately.

CTM865E PLEASE FILL IN FROM STEP

Explanation: Possible causes for this message are:
- **RESTART** is set to Y in the rerun or confirmation window, but the **FROM** field is blank.
- A **TO** step name is specified in the restart decision line in the Zoom screen (Screen 3), but the **FROM** step field is blank.
- **STEP RANGE** name is specified, but the **FROM** field in this **STEP RANGE** line is blank.

**Corrective Action:** Specify a step name in the **FROM** field, or set **RESTART** to N, erase the **TO** step name, and erase the **STEP RANGE** name.

**CTM866E PLEASE FILL IN A VALID SET STATEMENT. FORMAT "%%VARNAME=VALUE"**

**Explanation:** Invalid specification of an AutoEdit assignment in a DO SET statement.

The correct syntax for the **SET** statement line is: DO SET %%VARNAME=VALUE (for example, DO SET %%THISRUN=RERUN).

**Corrective Action:** Correct the AutoEdit variable assignment.

**CTM867E INSUFFICIENT MEMORY, UNABLE TO PROCESS**

**Explanation:** There is insufficient memory to perform the requested action.

The request is ignored.

**Corrective Action:** Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

**CTM868E TABLE "dsn (tableName)" IS IN USE. TRY AGAIN LATER**

**Explanation:** The specified member from an IOA definition library is currently in use by another user.

The variables in this message are:
- **dsn** - the name of the data set containing the requested table
- **tableName** - the name of the requested table

The request is ignored.

**Corrective Action:** Wait until the requested member is freed, then retry the request.

**CTM869E TABLE "tableName " IS NOT A VALID SCHEDULING TABLE (CARD NUMBER stmtNum)**

**Explanation:** The job table that was to be downloaded to Control-M/Enterprise Manager is not a valid scheduling table, for example, because the format of a statement is incorrect.

The variables in this message are:
- **tableName** - the name of the problematic job table
- **stmtNum** - the line number of the problematic statement within the job table

The download request is ignored.
Corrective Action: Either correct the errors in the scheduling table or specify the name of a valid scheduling table, then retry the download request.

CTM870E CTMMEM FAILED. TABLE=tableName, FUNCTION=func, RC=rc
Explanation: The CTMMEM internal service routine ended with an error.
The variables in this message are:
- tableName - the name of the table for which CTMMEM was issued
- func - the name of the relevant function
- rc - the return code of the error

For more information about CTMMEM functions and return codes, see the DOCIMEM member in the IOAP DOC library.

The download request is ignored.
Corrective Action: Note the values of tableName, func, and rc, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTM871S CTMDUL INITIALIZATION FAILED: descr
Explanation: The initialization of the CTMDUL internal program failed.
In this message, descr is a brief description of the reason for the failure. Possible values for descr are:
- LOAD FAILED FOR MODULE modName
- GETMAIN FAILED

No tables are downloaded.
Corrective Action: Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

CTM872E TABLE tableName HAS BEEN CHANGED SINCE LAST DOWNLOAD. UPLOAD FAILED
Explanation: Uploading of a table to the mainframe was attempted. However, the table was changed following the last download to the Control-M/Desktop. Jobs can be uploaded to a table after another being downloaded by another user. However, this wipes out any jobs updated to the mainframe since the last download.

The upload utility terminates with a return code of 12.
Corrective Action: Either force the table to be uploaded or save the table under another table name. Force uploading a table will overwrite any earlier version currently on the mainframe. Use great caution with a forced upload. If a forced upload is used, jobs updated to the mainframe since the last download will be lost.

CTM873E ERROR CONVERTING TABLE "tableName" JOB "jobName": descr
Explanation: The job could not be downloaded or uploaded.
The variables in this message are:

- `tableName` - the identity of the problematic table
- `jobName` - the identity of the problematic job
- `descr` - a short description of the cause of the failure

The download or upload request is ignored.

**Corrective Action:** Proceed on the basis of the information contained in descr.

**CTM874S NEW TABLE "tableName" IS TOO BIG (MORE THAN 200,000 CARDS)**

**Explanation:** The job table could not be uploaded to Control-M because it would require more than 200,000 statements.

The maximum size of a job table is 200,000 statements.

In this message, `tableName` is the name of the problematic job table.

The upload request is ignored.

**Corrective Action:** Correct the contents of the `tableName` job table so that it requires less than 200,000 statements when uploaded to Control-M.

**CTM875E PLEASE FILL IN CALENDAR NAME OR OMIT YEAR**

**Explanation:** A year was specified, but the calendar name is missing. A year can be defined only in a calendar.

**Corrective Action:** Either fill in a calendar name or omit the year to get a list of calendars in the library.

**CTM880E CANNOT ADD MORE YEARS TO CALENDAR (MAXIMUM 10)**

**Explanation:** The calendar is full. The maximum number of years in a calendar is 10. You cannot add more years.

**Corrective Action:** Split the calendar into two calendars, or delete unnecessary years.

**CTM881E CALENDAR TOO LARGE. ERASE UNNECESSARY YEARS**

**Explanation:** The calendar is too large to be handled by IOA Online.

Possible causes are:

- Insufficient storage to process the calendar.
- The calendar is too large.

**Corrective Action:** Do one of the following:
Log on again using a larger size parameter.
If you are using many IOA screens concurrently, exit some of them using the END command.
Split the calendar into two calendars.
Erase redundant years from the calendar.

**CTM885**E INVALID YEAR (OR YEAR NOT IN VALID RANGE)

**Explanation:** The specified year is not a valid year, or is not in the range supported in IOA.

**Corrective Action:** Specify a valid year.

**CTM886**I TOP OF YEARS LIST

**Explanation:** This information message indicates that the current year is the first year in the years list. The message may appear after entering the command PREVYEAR in the Year screen.

**Corrective Action:** No action is required.

**CTM887**I BOTTOM OF YEARS LIST

**Explanation:** This information message indicates that the current year is the last year in the years list. The message may appear after entering the command NEXTYEAR in the Year screen.

**Corrective Action:** No action is required.

**CTM888**E VALID OPTIONS ARE "Y", "+", "+", "-", "N" OR BLANK

**Explanation:** An invalid day selection option has been specified. The cursor points to the invalid day value.

Valid day selection options are:
- Y - Yes
- N - No
- ' ' (blank) - No
- + (plus) - the next date in a relative calendar
- - (minus) - the previous date in a relative calendar

**Corrective Action:** Specify Y, N, +, -, or blank.

**CTM891**E OPTION SPECIFIED IS INVALID IN CASE OF A PERIODIC CALENDAR

**Explanation:** The characters Y, N, +, and - are not supported under periodic calendars.

**Corrective Action:** Use another period identifier.

**CTM899**E REDUNDANT PARAMETER

**Explanation:** The number of occurrences of the fields listed below exceeds the maximum number allowed:
Corrective Action: Delete the additional occurrences and rerun the job.

CTM89AS LIBRARY NAME IS NOT SPECIFIED

Explanation: Either the LIBRARY parameter was not specified, or the specified library does not exist.

Corrective Action: Depending on the cause, either correct the specification or create the specified library; then rerun the job.

CTM89BE PLEASE SPECIFY parm

Explanation: The parm parameter is missing. At least one TABLE parameter is required after the LIBRARY parameter. At least one MEMNAME parameter is required for each TABLE parameter.

Corrective Action: Add any missing statements, and rerun the job.

If an attempt is being made to create a group scheduling table with only a group entity and no job scheduling definitions, then set the EMPTYGRP parameter to Y in the CTMPARM member of the IOA PARM library, and then rerun the job.

CTM89CE SPECIFIED SUB-PARAMETER IS OUT OF SEQUENCE

Explanation: The parameter or subparameter specified is out of sequence.

The sequence in which certain parameters and subparameters appear in a CTMBLT input file is important. For more information on this sequence, see the Control-M chapter in the INCONTROL for z/OS Utilities Guide.

This message is accompanied by other messages that provide additional information, including a message that identifies the parameter or subparameter that was not coded in the correct sequence.

Corrective Action: Correct the sequence of the parameters and subparameters and rerun the job.

Messages CTM900 through CTM9xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTM902E INVALID OPTION (TRY "Y", "N" OR BLANK)

Explanation: The user entered an invalid value into a field which may only contain Y, N, or blank.

Corrective Action: Correct the input field and press Enter.
CTM903E "FORCE" CODE MUST BE ALONE.

**Explanation:** Another code is entered with the FORCE code in the same ON PGMST statement. No other code may be specified with FORCE in the same ON PGMST statement.

**Corrective Action:** Remove any other code from the current statement and put it in a different ON PGMST statement or remove the FORCE code.

CTM904E "FORCE" CODE VALID ONLY ON ANYSTEP

**Explanation:** The step name is not ANYSTEP. When the code is FORCE, the step name in an ON PGMST statement must be ANYSTEP.

**Corrective Action:** Correct the step name or remove the FORCE code.

CTM905E "FORCE" CODE NOT VALID WITH PROC

**Explanation:** There is data in the PROC field, but the code is FORCE. When the code is FORCE, the PROC field in an ON PGMST statement must be empty and the step name must be ANYSTEP.

**Corrective Action:** Clear the PROC field or remove the FORCE code.

CTM906S ACCUMULATION STOPPED BECAUSE OF A REQUEST FROM USER EXIT 005

**Explanation:** The CTMX005 Control-M user exit issued a return code to stop the run of the CTMJ SA utility.

The utility stops executing with a condition code of 12.

**Corrective Action:** Check for messages from the user exit that will clarify the reason.

CTM907E "FORCE" CODE NOT VALID IN MULTIPLE ON STATEMENTS

**Explanation:** The FORCE code is in an ON PGMST statement that is connected by AND or OR to another ON PGMST statement. When the code is FORCE, no other ON PGMST statement may have an AND or OR relationship with it.

**Corrective Action:** Separate the ON PGMST statement containing it from other ON PGMST statements or remove the FORCE code.

CTM908E INVALID DO ACTION FOR "FORCE" CODE

**Explanation:** Invalid DO actions follow an ON PGMST statement that has a code of FORCE. When the code is FORCE, only COND, FORCEJOB, SET VAR and SHOUT actions are allowed.

**Corrective Action:** Remove the invalid DO actions from the ON PGMST statement containing the FORCE code and put them in a separate statement or remove the FORCE code.

CTM909E JOB LEVEL CODES VALID ONLY ON ANYSTEP

**Explanation:** A job level code was specified for a specific job step or range of steps in the job scheduling definition. Examples of job level codes are: JNRUN, JLOST, OK, and NOTOK. Job level codes relate to the overall result of the entire job execution, not to specific steps. They can only be specified with ON PGMSTEP ANYSTEP.
Corrective Action: Do not specify job level codes for specific steps or step ranges.

CTM90AE ON +EVERY IS VALID ONLY FOR CNNNN, SXXX, UNNN, FLUSH, SNRUN AND *****

Explanation: An ON step value of ON PGMSTEP +EVERY can only be specified with codes C nnnn, S xxx, U nnnn, FLUSH, SNRUN and *****.

Corrective Action: Correct the Step value or the Codes value in the job scheduling definition to a valid combination.

CTM90BE "SNRUN" CODE NOT VALID ON ANYSTEP

Explanation: Code SNRUN is not valid for an ON PGMSTEP ANYSTEP statement.

Corrective Action: Correct the Step value or the Codes value in the job scheduling definition to a valid combination.

CTM911S IOA LOG FILE - WRITE ERROR

Explanation: I/O error while writing on IOA Log file.

Possible causes are:
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log, but it is of a different version of Control-M.
- Real I/O error on the IOA Log.

Corrective Action: Check the contents of the computer log for additional messages which may clarify the picture.

CTM912S ERROR IN CONTROL-\x INSTALLATION PARAMETERS - INVALID DAYTIME

Explanation: Invalid format of the DAYTIME Control-\x installation parameter. DAYTIME is the start time of the Control-M work day in your installation. Valid formats are +hhmm or -hhmm.

For more details see the section that describes installation parameters in the chapter for the appropriate products in the INCONTROL for z/OS Installation Guide.

The requested function terminates.

Corrective Action: Call your system programmer to correct the DAYTIME parameter in the CT \x:PARM member.

CTM913S OPEN OF DDNAME "SYSPRINT" FAILED

Explanation: The opening of the print file failed. Possible causes are:
- The DD statement SYSPRINT is missing.
- The data set described by the DD statement SYSPRINT cannot be accessed for sequential write.

The program stops executing.
Corrective Action: Correct the JCL and submit again.

**CTM914S ERROR IN IOA INSTALLATION PARAMETERS - INVALID DATETYP**

Explanation: *Highlighted, unrollable message.*

The DATETYP IOA Installation Parameter is invalid. DATETYP is the type of date format used in the installation. Valid formats are:

- **A** - mmddyy
- **W** - ddmmyy
- **J** - yymmdd

For more details, see the section that describes how to set IOA installation parameters in the IOA chapter of the *INCONTROL for z/OS Installation Guide*.

The requested function stops.

Corrective Action: Call your system programmer to correct the DATETYP parameter in the IOAPARM member.

**CTM916W PROGRAM pgm WAITING FOR resourceName**

Explanation: One of the IOA monitor internal programs detected an IOA resource in use by a TSO user or batch job. This message normally appears a few times a day.

The variables in this message are:

- **pgm** - the name of the internal program that is waiting for the resource that is in use
- **rname** - the name of the resource that is in use

Valid values are:

<table>
<thead>
<tr>
<th>rname</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNDF</td>
<td>The IOA Conditions file</td>
</tr>
<tr>
<td>RESF</td>
<td>The Control-M Resources file</td>
</tr>
<tr>
<td>LOG</td>
<td>The IOA Log file</td>
</tr>
<tr>
<td>Control-M/D</td>
<td>The Control-M/D New Day procedure</td>
</tr>
<tr>
<td>AMFT</td>
<td>Control-D Active Missions file</td>
</tr>
<tr>
<td>JES_SSRQ</td>
<td>A JES subsystem request</td>
</tr>
<tr>
<td>CKPT</td>
<td>The Control-M Active Jobs file or the Control-D Active Missions file</td>
</tr>
</tbody>
</table>

The message is displayed on the operator console.
Corrective Action: The user response depends on the circumstances, as follows:

- If the message appears many times every few seconds, the file may be hung. This situation must be resolved by determining which program is holding the specified `rname`. Look for the IOA QNAME that is specified in the IOA Installation Parameter and take appropriate corrective action.

- If `pgm` is CTMFRM/CTDFRM and the `rname` is CONTROLM/CONTROLD, some possible reasons are:
  - there are several Control-M/D monitors running with the same QNAME
  - there is a user daily job running that has a date control record in which columns 60 through 65 are not blank, meaning that it is acting as the Control-M/D New Day procedure and therefore Control-M/D has been enqueued
  - the Control-M/D New Day procedure was started externally (manually) rather than being started by the monitor, and as a result waits for the monitor to be suspended
  Take appropriate corrective action.

- If the program name `pgm` is CTMJES and the `resourceName` is JES_SSRQ, then Control-M (in its postprocessing phase) has called the JES2 interface using IEFSSREQ (a JES2 subsystem request) and is waiting for some function to be executed by JES2, but the execution of that function is being delayed in JES2. If the message persists in this situation, prepare the Control-M monitor full output and contact BMC Customer Support.

CTM918S INSUFFICIENT MEMORY TO RUN CONTROL-x

Explanation: Highlighted, unrollable message.
More memory is required for the INCONTROL monitor.
The specified monitor will shut down.

Corrective Action: Increase the REGION size of the specified monitor.

CTM919S INTERNAL ERROR IN CONTROL-M MONITOR

Explanation: Highlighted, unrollable message.
An internal error occurred in the Control-M monitor.
The Control-M monitor abends with the user abend 0008.

Corrective Action: Try to start the Control-M monitor again. In any case, prepare the dump and contact BMC Customer Support.

CTM91ES ENVIRONMENT ERROR. CONTROL-M MONITOR INITIALIZATION ABORTED.

Explanation: The Control-M monitor detected an environment initialization error at startup.
Control-M monitor initialization is aborted.

Corrective Action: Verify that Control-M is fully installed, and notify the INCONTROL administrator.
CTM91FS CONTROL-M NOT FULLY INSTALLED. MONITOR INITIALIZATION ABORTED.

**Explanation:** At startup, the Control-M monitor detected that Control-M is not fully installed, and cannot initialize the IOA environment.

Control-M monitor initialization is aborted.

**Corrective Action:** Verify that Control-M is fully installed, and notify the INCONTROL administrator.

CTM920S AJF SIZE IS NOT EQUAL TO AJFSIZE PARAMETER SPECIFIED IN CTMPARM.

**Explanation:** Highlighted, unrollable message.

The value of the AJFSIZE parameter in the CTMPARM file used by a Control-M monitor is different from the value of the AJFSIZE parameter in the Active Jobs file (AJF).

The AJF was formatted using an AJFSIZE parameter from a specific CTMPARM file. The Control-M monitor also uses an AJFSIZE parameter from a CTMPARM file, which is not necessarily the same CTMPARM file used to format the AJF. The value of the AJFSIZE parameter used by the Control-M monitor must match the value of AJFSIZE in the AJF.

The Control-M monitor shuts down.

**Corrective Action:** Ask the INCONTROL administrator to do one of the following:

- Change the value of AJFSIZE in the CTMPARM file used by the Control-M monitor to the value of AJFSIZE in the AJF.
- Reformat the AJF using a CTMPARM file in which AJFSIZE has the same value as the AJFSIZE used by the Control-M monitor.

Once one of these has been performed, restart the monitor.

CTM921I ACCUMULATION OF JOB EXECUTION STATISTICS STARTED

**Explanation:** This information message is a normal starting message of the CTMJ SA utility.

**Corrective Action:** No action is required.

CTM922I ACCUMULATION OF JOB EXECUTION STATISTICS ENDED WELL

**Explanation:** This information message is a normal ending message of the CTMJ SA utility.

**Corrective Action:** No action is required.

CTM923S OPEN OF PARAMETERS FILE FAILED. DDNAME "DAJSAIN"

**Explanation:** Open of parameters file for the CTMJ SA utility failed.

This can be due to one of the following:

- The DAJSAIN DD statement missing.
- The data set described by the DAJSAIN DD statement cannot be opened for sequential read.

The utility stops executing with a condition code of 12.
**Corrective Action:** Correct the JCL of the job and rerun it.

**CTM92CS INVALID PARAMETER, VALID PARAMETERS ARE ACT=R/W, TYPE=F/V**

**Explanation:** An invalid parameter was passed to the IOADIG utility. Valid ACT parameter values are:
- R - Perform a read-only check. Do not correct detected errors.
- W - If an error is detected, correct it.

Valid TYPE parameter values are:
- F - Fixed length records in data file.
- V - Variable length records in data file.

The utility terminates with a return code of 24.

**Corrective Action:** Rerun the IOADIG utility after setting its parameters to valid values.

**CTM92TE SIZE OF CKPJNL FILE DIFFERS FROM SIZE OF AJF -- JOURNALING DISABLED**

**Explanation:** The size of the Active Jobs file (AJF) base image file differs from the size of the production AJF.

The CKPJNL base image file in the AJF is created after New Day processing and is used by the CTMRSTR restore utility. The size of this file must be identical to that of the production AJF.

The Control-M monitor halts processing and waits for instructions as described in message CTML12W.

**Corrective Action:** Reply C, I, or E to message CTML12W.

**CTM92UE ALLOCATION OF FILE fileName FAILED RC rc**

**Explanation:** The Control-M monitor failed to allocate the fileName file. The reason for the failure is described by a return code value of rc.

The Control-M monitor deallocates the file and waits for instructions as described in message CTML12W.

**Corrective Action:** Reply C, I, or E to message CTML12W. Note the message, including return code, prepare the Control-M monitor full output, and contact BMC Customer Support.

**CTM931I CLEAN FOR IOA CONDITIONS FILE STARTED**

**Explanation:** This information message indicates that the IOACLND utility started.

**Corrective Action:** No action is required.

**CTM932I CLEAN FOR IOA CONDITIONS FILE ENDED**

**Explanation:** This information message indicates that the cleaning of the IOA Conditions file by the IOACLND utility ended successfully.

**Corrective Action:** No action is required.
CTM933S FILE ALLOCATED TO DDNAME "DASINC" IS NOT IOA SYNCHRONIZATION FILE

Explanation: The data set described by the DASINC DD statement is not IOA Synchronization file. This message is produced by the IOACLCND IOA utility.

Possible causes are:
- The file allocated to the DASINC DD statement is not the Synchronization file.
- The file allocated to the DASINC DD statement is the Synchronization file, but it is of a different version or of a different IOA installation.

The utility stops executing.

Corrective Action: Correct the JCL for the job.

CTM934E INVALID PARAMETER: - parm

Explanation: An invalid parameter (parm) was passed to the IOACLCND utility. In this message, parm identifies the invalid parameter.

For a list of valid parameters, see the IOACLCND utility in the INCONTROL for z/OS Utilities Guide.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the parameter line.

CTM935E MISSING PARAMETER AFTER: - parm

Explanation: A subparameter of a parameter of the IOACLCND utility is missing. A subparameter is expected after the parm parameter.

For valid syntax, see the IOACLCND utility in the INCONTROL for z/OS Utilities Guide.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the parameter line.

CTM936E REDUNDANT PARAMETER: - parm

Explanation: There is a redundant parameter in a parameter line for the IOACLCND utility.

For details, see the IOACLCND utility in the INCONTROL for z/OS Utilities Guide.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the parameter line.

CTM937S IOA CONDITIONS FILE WAS NOT CLEANED

Explanation: Result of a previous error in the IOACLRES utility. A previous message should appear, containing the reason for not cleaning the Conditions file.

The utility stops executing.

Corrective Action: Correct the problem and rerun the utility.
CTM939E DATE RANGE IS GREATER THAN ONE YEAR

**Explanation:** The date range specified in the FROM and TO parameters is greater than one year (the IOACLRES utility). The TO date is greater than the FROM date by more than a year. There is no way to IGNORE more than one year.

The utility will stop executing with a condition code of 08.

**Corrective Action:** Correct the parameters and rerun.

CTM942S OPEN OF IOA MANUAL CONDITIONS FILE FAILED

**Explanation:** Open of the IOA Manual Conditions file failed. Possible causes are:

- The DANRES DD statement is missing.
- The file allocated to the DANRES DD statement is not the IOA Manual Conditions file.
- The file allocated to the DANSINC DD statement is the IOA Manual Conditions Synchronization file, but it is of a different version or of a different IOA installation.

**Corrective Action:** Correct the JCL for the job or the allocations of the CLIST.

CTM943S OPEN OF IOA MANUAL CONDITIONS SYNCHRONIZATION FILE FAILED

**Explanation:** The IOAFRNRS utility, which is used to allocate and format the file, failed to open the file for formatting.

Possible causes are:

- The DACKPT DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL, and rerun the job.

CTM944I BUILDING OF IOA MANUAL CONDITIONS FILE STARTED

**Explanation:** This information message indicates that the IOAFRNRS utility, which allocates and formats the Manual Conditions file, started.

**Corrective Action:** No action is required.

CTM945I BUILDING OF IOA MANUAL CONDITIONS FILE ENDED

**Explanation:** This information message indicates that the IOAFRNRS utility, which allocates and formats the Manual Conditions file, ended normally.

**Corrective Action:** No action is required.
CTM945W <resource name>/<resource amount> RELEASED BY CTMRLR, WILL BE FREED FROM WORKLOAD <workload name> AFTER JOB ENDS

**Explanation:** The resource name was released by the CTMRLR utility, and will be freed from the specified workload after the job ends.

**Corrective Action:** No action is required.

CTM946S IOA MANUAL CONDITIONS FILE WAS NOT BUILT

**Explanation:** The IOAFRNRS utility failed.

**Corrective Action:** Look for previous error messages which will describe the type of the error.

CTM947E INSUFFICIENT MEMORY IN CONTROL-M MONITOR - TOO MANY STCS WITH SAME NAME

**Explanation:** This message is also displayed on the output of the monitor.
There are too many STCs with the same name.
The STC will end NOTOK.

**Corrective Action:** Purge the unneeded STCs with the duplicate names from the spool.

CTM950S OPEN FAILED FOR DDNAME "DARESF"

**Explanation:** Open of Control-M Resources file failed (the DARESF DD statement). Possible causes are:
- The DARESF DD statement is missing.
- The data set described by the DARESF DD statement is not the Control-M Resources file.
- The data set described by the DARESF DD statement is the Control-M Resources file of a different version or a different Control-M monitor.

The Control-M monitor shuts down.

**Corrective Action:** Correct the JCL for the Control-M procedure, and start it again.

CTM955I OID=orderId ORPHAN CONTROL contResource MODE {E | S} WAS AUTOMATICALLY DELETED BY THE MONITOR

**Explanation:** This information message indicates that the monitor released the contResource Control resource, with the mode Exclusive (E) or Shared (S), because there is no job that controls it.

**Corrective Action:** No action is required.

CTM956I OID=orderId ORPHAN CONTROL quant-res QUANTITY num WAS AUTOMATICALLY DELETED BY THE MONITOR

**Explanation:** This information message indicates that the monitor released the specified number (num) of the indicated Quantitative resource (quant-res), because there are no jobs that control them.

**Corrective Action:** No action is required.
CTM95BE OPEN OF CONTROL-M HISTORY FILE (DDNAME "DAHIST") FAILED. RC=rc

**Explanation:** The user entered the HISTORY command followed by the name of a History file, but there is an error in opening the specified history file.

**Corrective Action:** Verify that the specified History file is valid. Contact BMC Customer Support and report the received return code.

CTM95CE CLOSE OF CONTROL-M HISTORY FILE (DDNAME "DAHIST") FAILED. RC=rc

**Explanation:** The user entered the HISTORY command followed by the name of a History file, but there is an error in closing the specified history file.

**Corrective Action:** Verify that the specified History file is not being used by another application. Contact BMC Customer Support and report the received return code.

CTM95DE PARAMETER FOR "HIST" COMMAND IS NOT SUPPORTED UNDER ONLINE MONITOR

**Explanation:** The HISTORY command followed by the name of a History file cannot be used with the online monitor.

**Corrective Action:** No action is required.

CTM95ES RESOURCE FILE INTERNAL ERROR

**Explanation:** Severe Control-M internal error in the Resource file.
A snap dump is written to the DATRACE DD statement, and the monitor shuts down.

**Corrective Action:** Do the following:

1. Send the following to BMC Software Customer support:
   a. the complete sysout from the Control-M monitor
   b. the Resource file
   c. the CKP file
   d. IOAPARM
   e. CTMPARM
   f. IOA Log file
2. Re-start the Control-M monitor.

CTM95FS INTERNAL ERROR: ACTUAL NUMBER OF BASE SLOTS GREATER THAN REOBASE#

**Explanation:** Severe Control-M internal error in the Resource file.
A snap dump is written to the DATRACE DD statement, and the monitor shuts down.

**Corrective Action:** Do the following:
1. Send the following to BMC Software Customer support:
   a. the complete sysout from the Control-M monitor
   b. the Resource file
   c. the CKP file
   d. IOAPARM
   e. CTMPARM
   f. IOA Log file
2. Re-start the Control-M monitor.

**CTM95GE POST PROCESSING ERROR. INSUFFICIENT FREESPACE FOR ’SET VAR’ STATEMENTS**

**Explanation:** Control-M failed to handle a DO SETVAR post processing statement because there was not enough space in the corresponding job record in the AJF. The indicator POST-PROCESSING FAILED is set for the job.

**Corrective Action:** Contact IOA administrator to consider increasing the FREESPAC= installation parameter in CTMPARM. If it is not suitable or does not help, contact IOA Technical support.

**CTM971S OPEN OF CONTROL-M {ACTIVE | HISTORY} JOBS FILE FAILED**

**Explanation:** Either the FORMCKP utility (which allocates and formats the Active Jobs file) or the FORMHST utility (which allocates and formats the Active History file) failed to open the file for formatting.
Possible causes are:
- The DACKPT DD statement (for the Active Jobs file) or the DAHIST DD statement (for the History Jobs file) is missing.
- There is insufficient memory for the job.

The utility ends with a condition code of 08.

**Corrective Action:** If a DD statement is missing, add the correct DD statement and rerun the job. If the problem is memory, specify a higher value for the REGION parameter.

**CTM972I BUILDING OF CONTROL-M {ACTIVE | HISTORY} JOBS FILE STARTED**

**Explanation:** This information message indicates the normal start of the FORMCKP utility or the FORMHST utility. The FORMCKP utility allocates and formats the Active Jobs file. The FORMHST utility allocates and formats the Active History file.

**Corrective Action:** No action is required.
CTM973I BUILDING OF CONTROL-M {ACTIVE | HISTORY} JOBS FILE ENDED

**Explanation:** This information message indicates the normal termination of either the FORMCKP utility or the FORMHST utility. The FORMCKP utility allocates and formats the Active Jobs file. The FORMHST utility allocates and formats the Active History file.

**Corrective Action:** No action is required.

CTM974S Control-M {ACTIVE | HISTORY} JOBS FILE WAS NOT BUILT

**Explanation:** Either the FORMCKP utility, which allocates and formats the Active Jobs file, or the FORMHST utility, which allocates and formats the Active History file, failed.

**Corrective Action:** Check the previous error messages which describe the type of error, and correct the problem accordingly.

CTM975S Control-M {ACTIVE | HISTORY} JOBS FILE WRITE ERROR

**Explanation:** An I/O error occurred while formatting the Control-M Active Jobs file or History Jobs file. This error may be caused by an incompatibility between the installation parameters (CTMPARM) that define the Active Jobs file or History Jobs file, and the JCL SPACE and/or DCB parameters.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct either the JCL or the Installation Parameters file.

CTM982S OPEN OF IOA CONDITIONS FILE FAILED

**Explanation:** The IOAFRRES IOA utility, which is used to allocate and format the IOA Conditions file, failed to open the file for formatting.

Possible causes are:

- The DARESC DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

CTM983S OPEN OF IOA SYNCHRONIZATION FILE FAILED

**Explanation:** The IOAFRRES IOA utility, which is used to allocate and format the Control-M Resources Synchronization file, failed to open the file for formatting.

Possible causes are:

- The DASINC DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.
CTM984I  BUILDING OF IOA CONDITIONS FILE STARTED  
**Explanation:** This information message indicates that the IOAFRRES utility, which allocates and formats the IOA Conditions file, has started.  
**Corrective Action:** No action is required.

CTM985I  BUILDING OF IOA CONDITIONS FILE ENDED  
**Explanation:** This information message indicates that the IOAFRRES utility, which allocates and formats the IOA Conditions file, has ended normally.  
**Corrective Action:** No action is required.

CTM986S  IOA CONDITIONS FILE WAS NOT BUILT  
**Explanation:** The IOAFRRES utility failed.  
**Corrective Action:** Look for previous error messages that describe the type of error.

CTM988S  DATE SHOULD NOT BE GREATER THAN YESTERDAY  
**Explanation:** Invalid date specified for archival or backup (the CTMLGC utility). The archive date should not be greater than yesterday's date.  
The utility stops execution with a condition code of 08.  
**Corrective Action:** Correct the date field.

CTM989S  OPEN OF DDNAME "DALOGHIS" FAILED. LOG ARCHIVAL NOT PERFORMED  
**Explanation:** Open of the log archival data set failed (the CTMLGC utility).  
Possible causes are:  
- The DALOGHIS DD statement missing.  
- The DALOGHIS DD statement describes a file which is not in the format of the IOA Log.  
The utility stops execution with a condition code of 08.  
**Corrective Action:** Correct JCL for the job. You should run the CTMFROLOG utility to allocate and format an archival file in exactly the same format as the IOA Log.

CTM990I  action OF IOA LOG STARTED  
**Explanation:** This information message is a normal message which is issued when starting to backup the IOA Log (the CTMLGC utility).  
**Corrective Action:** No action is required.

CTM991I  action OF IOA LOG ENDED  
**Explanation:** This information message is a normal message which is issued when the backup of the IOA Log ends (the CTMLGC utility).
Corrective Action: No action is required.

CTM992W OPEN OF DDNAME "DALOGBKP" FAILED, BACKUP OF IOA LOG NOT TAKEN

Explanation: Open of the data set described by the DALOGBKP DD statement failed.
Possible causes are:
- The DALOGBKP DD statement missing.
- The data set described by the DALOGBKP DD statement cannot be opened for sequential write.
Backup of IOA Log not taken. Processing continues.
Corrective Action: If you want to backup the entire Log file, correct the JCL for the job.

CTM993S OPEN OF DDNAME "DALGCIN" FAILED. LOG ARCHIVAL NOT PERFORMED

Explanation: Open of the data set described by the DALGCIN DD statement failed.
Possible causes are:
- The DALGCIN DD statement missing.
- The data set described by the DALGCIN DD statement cannot be opened for sequential read.
Log archival is not performed.
Corrective Action: Correct the JCL for the job.

CTM994S FILE CONNECTED TO DDNAME "DALGCIN" IS EMPTY

Explanation: The data set described by the DALGCIN DD statement is empty.
Log archival is not performed.
Corrective Action: Correct the JCL for the job.

CTM995S RECORD LENGTH OF DDNAME "DALGCIN" IS NOT 80

Explanation: Record length of data set described by the DALGCIN DD statement must be 80 bytes.
Log archival is not performed.
Corrective Action: Check the contents of data set described by the DALGCIN DD statement.

CTM996S "UNTIL DATE" OF LOG ARCHIVAL IS NOT A VALID DATE

Explanation: Invalid parameter for UNTIL date.
Corrective Action: Correct the UNTIL date parameter of the Log archival utility.

CTM997S NUMBER OF DAYS TO KEEP IN LOG FILE IS NOT NUMERIC

Explanation: Invalid number of days to keep in the Log file.
The number of days to keep in the Log file must be numeric.
**Corrective Action:** Correct the number of days.

**CTM998S ARCHIVAL FILE ALLOCATED TO "DALOGHIS" IS FULL**

**Explanation:** Archival file allocated to the DALOGHIS DD statement is full.
Archival will not be executed.

**Corrective Action:** No action is required.

**CTM999S NOTHING TO DO. NEITHER BACKUP NOR ARCHIVAL IS NEEDED**

**Explanation:** Neither file DALOGHI $ nor file DALOGBKP has been opened by the CTMLGC utility.
The utility terminates with a return code of 12.

**Corrective Action:** No action is necessary.

**CTM9B1E SYSTEM LOGGER CONNECT REJECTED, DASD-ONLY LOG STREAM IS ALREADY CONNECTED TO BY ANOTHER LOG STREAM IN THE SYSPLEX**

**Explanation:** The System Logger rejected an attempt to connect to a DASD-only log stream because another log stream in the Sysplex is already connected. Only applications from the same system (LPAR) can connect simultaneously to the DASD-only log streams. If you are using DASD-only log streams, then Control-M, CMEM or Control-O, and IADDC (the CONNECT DIRECT interface) must all be running in the same LPAR.
The attempt to connect is rejected.

**Corrective Action:** Determine which system you want to connect to the log stream, and rerun the component that failed in the correct system.

If you want all members in a Sysplex to have access to the log stream, use coupling facility log streams rather than DASD-only log streams. For more information, see the description of sysplex configuration parameters in the *INCONTROL for z/OS Installation Guide*.

**Messages CTMA00 through CTMAxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/R (Restart) products.

**CTMA06E STATISTICS DO NOT EXIST FOR MEMBER memName GROUP grp**

**Explanation:** There was an attempt to view statistics of a job for which no statistics are available. The Statistics file is updated only by the CTMJ SA JCL procedure. If a job is run for the first time in this system, job statistics may not yet exist. If the job was previously run on this system, CTMJ SA is probably not run regularly at your site.

**Corrective Action:** Check whether or not CTMJ SA is runs regularly at your site. To get job statistics, run CTMJ SA regularly.
CTMA07S VIEWING OF ARCHIVED SYSOUTS FAILED. RC=rc

**Explanation:** An error occurred in the CTMTSYV or CTRTSTP Control-M internal module. There was an attempt to perform a view (V) function or a step list display on the Active Jobs file. However, a problem indicated by the return code occurred in the module, and the SYSDATA could not be retrieved:

Valid values for rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>The name of Archived Sysout Data set does not follow the Control-M/Restart naming convention for this type of data set.</td>
</tr>
<tr>
<td>16</td>
<td>The Archived Sysout data sets (which are accessed to retrieve SYSDATA for viewing) belong to another job.</td>
</tr>
<tr>
<td>20</td>
<td>The loading of an internal module failed. Message CTM046S which preceded this message specifies the module in question.</td>
</tr>
<tr>
<td>24</td>
<td>The CTRTSTP module encountered an internal CDAM error.</td>
</tr>
<tr>
<td>28</td>
<td>ATTACH for the CTRTSTP module failed, probably because of insufficient memory.</td>
</tr>
<tr>
<td>32</td>
<td>The CTRTSTP module abended. A symptom dump probably exists in the JOBLOG or the SYSLOG.</td>
</tr>
</tbody>
</table>

Archived SYSDATA is not displayed.

**Corrective Action:** Record the return code, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMA08E INSUFFICIENT MEMORY TO VIEW ARCHIVED SYSOUTS

**Explanation:** The CTMTSYV or CTRTSTP internal module failed to perform the view or step list display function on the Active Jobs file due to insufficient storage allocated to the Control-M online environment. The archived SYSDATA is not displayed.

**Corrective Action:** Notify your INCONTROL administrator. The storage allocated to the online environment by the REGION parameter must be enough for all Control-M processing.

CTMA09E MEMNAME IS A REQUIRED PARAMETER

**Explanation:** The user issued a JOBSTAT command without specifying a member name. The JOBSTAT command, which displays job statistics, needs the name of the member whose statistics are to be displayed.

**Corrective Action:** Try again. Specify the member name with the JOBSTAT command.
CTMA10E PARAMETER LENGTH EXCEEDS MAXIMUM

Explanation: A parameter (JOBNAME or GROUPNAME) specified in the JOBSTAT command exceeded the maximum allowable length. The maximum length for the JOBNAME parameter is eight characters. This parameter is required for the JOBSTAT command. The maximum length for the GROUPNAME optional parameter is 20 characters. If this parameter is omitted, the group name is assumed to be blank.

Corrective Action: Correct the command and try again.

CTMA11E OPEN OF STATISTICS FILE FAILED. DDNAME "DASTAT"

Explanation: The Statistics file could not be opened. When you use option 3.S to view job statistics, Control-M attempts to open the Statistics file pointed to by the DASTAT DD statement. This message is displayed when the attempt fails.

Corrective Action: Check that the data set described by the DASTAT DD statement is allocated to the Statistics file. See the Control-M installation procedure for details.

CTMA12E CANNOT REACT JOB jobName ODATE odate - JOB NOT DISAPPEARED/FAILED

Explanation: Option A (Reactivate) was specified for a job that did not have a status of DISAPPEARED or FAILED REASON UNKNOWN. The Reactivate option can only be specified for jobs having a status of DISAPPEARED or FAILED REASON UNKNOWN. This option allows the search for the sysout to continue.

Corrective Action: No action is required.

CTMA13E INVALID AUTO REFRESH INTERVAL

Explanation: An invalid AutoRefresh interval was specified. The number of seconds specified for the interval in the AUTO command must be between 1 and 99.

AutoRefresh mode is not activated.

Corrective Action: Re-enter the AUTO command followed by a number between 1 and 99.

CTMA14I AUTO REFRESH EVERY num SECONDS - counter

Explanation: This information message displays the current AutoRefresh interval and counter value. It is displayed whenever the screen is in AutoRefresh mode to indicate that the screen display is being updated automatically every num seconds. The counter value indicates the number of times the screen was refreshed.

Corrective Action: No action is required.

CTMA15I AUTO REFRESH CANCELED

Explanation: This information message indicates that AutoRefresh mode was terminated. AutoRefresh mode is cancelled by a user request, or if an attempt is made to activate AutoRefresh mode in an environment that does not support it.

For more information, see the description of AutoRefresh mode in the online facilities chapter in the Control-M for z/OS User Guide.

Corrective Action: No action is required.
CTMA16E STORAGE SHORTAGE. UNABLE TO action
Explanation: The action requested in the Active Environment screen cannot be performed due to storage shortage.
The requested action is not performed.
Corrective Action: Increase the REGION size and try again.

CTMA16I TSO CMD ENDED WITH RC=0
Explanation: This information message indicates that a TSO command entered from the command line of an IOA screen was performed successfully.
Corrective Action: No action is required.

CTMA16S OPEN OF STATISTICS FILE FAILED. RC=rc ERROR=errCode
Explanation: The Control-M Statistics file (DD name DASTAT) failed to open. The return and error codes are VSAM codes.
Control-M will not accumulate statistics, and as a result deadline scheduling calculations may be inaccurate.
Corrective Action: Check the return and error codes in the IBM manual for DFP macro instructions for data sets under VSAM macro return and reason codes, and correct accordingly.

CTMA17E TSO CMD ERROR. R15=r15, RET-CODE=rc, RS-CODE=rsn, AB-CODE=ab_code
Explanation: An unsuccessful attempt was made to perform a TSO command entered from the command line of an IOA screen. A TSO command can only be activated from an IOA screen when running the IOA Online facility under ISPF or TSO. The variables displayed in the message are returned by TSO.
Corrective Action: Verify that you entered the command when running the IOA Online facility under ISPF or TSO. If the command was activated under one of these environments then the problem lies in TSO. Have the INCONTROL administrator correct the problem using the TSO codes appearing in the message and try the command again.

CTMA17I NO DEPENDENCIES EXIST FOR THIS JOB
Explanation: This information message indicates that the N line command in the Active Environment screen was used to display the net of dependencies for a specific job, but the job had neither predecessors nor successors.
Corrective Action: No action is required.

CTMA18W JOBS ADDED TO THE AJF. "REFRESH" MAY BE NEEDED
Explanation: Jobs have been added to the Active Jobs file (AJF). The Net file might have to be refreshed to display all the dependent jobs.
Corrective Action: Refresh the Net file by issuing command REFRESH NET using Screen 3.
CTMA19W NET FILE IS NOT UPDATED, "REFRESH" IS NEEDED

Explanation: The request to display net dependencies of a job cannot be performed because the Net file has not been updated.

Only the root job is displayed.

Corrective Action: Refresh the Net file by issuing command REFRESH NET using Screen 3.

CTMA1AE VALUE MUST BE TBL OR CTM

Explanation: When defining a SCHEDULE RBC parameter in a Smart Table Entity, either TBL (a SCHEDULE RBC defined in a Smart Table Entity and used by jobs in this Smart Table) or CTM (a SCHEDULE RBC defined by IOA Calendars Facility and can be used by any job) must be specified in the LEVEL field.

Corrective Action: In the LEVEL field, specify either TBL or CTM.

CTMA1BE PLEASE FILL IN RBC NAME

Explanation: Displayed under IOA Calendars Screen for RBC calendars when either a SAVE RBC or COPY RBC request is issued without specifying an RBC name. The SAVE or COPY request does not proceed.

Corrective Action: Either enter the RBC name to proceed or cancel the request.

CTMA1CE A VALUE OF "*" IS VALID ONLY IN A JOB THAT BELONGS TO A SMART TABLE

Explanation: The asterisk ("*") wild card character, which indicates all the RBCs of the Smart Table entity, can only be used to specify the SCHEDULE RBC scheduling parameter for a job that belongs to a Smart Table.

Corrective Action: Use * only for Schedule RBCs defined in Smart Tables.

CTMA1DE EXCLUDE RBC WITH NO INCLUDE RBC IS NOT A VALID DEFINITION

Explanation: A schedule cannot be defined with only Exclude RBCs. At least one Include RBC must be part of the schedule definition, besides the Exclude RBCs.

Corrective Action: Define or make reference to at least one include RBC, besides the Exclude RBC.

CTMA20W "REFRESH" IN PROGRESS, PLEASE WAIT

Explanation: The request to display net dependencies of a job cannot be performed because the Net file is being refreshed.

Only the root job is displayed.

Corrective Action: Wait a short while, then press Enter again. Repeat this until the refresh process is completed and the dependent jobs are displayed.
CTMA21W NET FILE IS BUSY, PLEASE TRY LATER

**Explanation:** The request to display net dependencies of a job cannot be performed because the Net file is busy.

Only the root job is displayed. No dependent jobs are displayed.

**Corrective Action:** Wait a short while and then press **Enter** again. Repeat this until the Net file is released and the dependent jobs are displayed.

CTMA21W NET FILE IS BUSY, PLEASE TRY LATER

**Explanation:** The request to display net dependencies of a job cannot be performed because the Net file is busy.

Only the root job is displayed. No dependent jobs are displayed.

**Corrective Action:** Wait a short while and then press **Enter** again. Repeat this until the Net file is released and the dependent jobs are displayed.

CTMA22E MODULE=modName, FUNCTION=func, RC=rc - text

**Explanation:** An error occurred during display of the net dependencies of a job. If rc is 28, the QNAME in the GRF file in the first record, just after the constant JD0, differs from the QNAME specified in IOAPARM.

The variables in this message are:

- **mod-name** - the module that caused the error.
- **func** - the function requested.
- **rc** - the code returned by the function.
- **text** - the explanation of the error, such as LOAD FAILED and GETMAIN FAILED.

The Net screen is not displayed.

**Corrective Action:** Notify your INCONTROL administrator or system programmer, who should take required actions based on the information in the message. For example, depending on the type of error, the requested load module can be made accessible, or the region size can be enlarged.

If rc is 28, reformat the GRF file with the QNAME specified in IOAPARM.

CTMA23E INVALID "REFRESH" PARM - parm

**Explanation:** The user specified the REFRESH command in the Net screen (screen 3.N) with an invalid parameter.

The REFRESH process is not performed.

**Corrective Action:** Re-issue the REFRESH command with a valid parameter.

CTMA24W CONTROL-M IS DOWN - REFRESH PENDING

**Explanation:** The REFRESH NET command was issued but the Control-M monitor was down, so some jobs may not have been displayed in the Net Display screen.
Corrective Action: Wait until Control-M comes up again, then continue work as usual.

**CTMA25I** REFRESH "refresh_type" ISSUED

Explanation: This information message indicates that the REFRESH command was successfully submitted in the Net screen (screen 3.N).

The Refresh process starts.

Corrective Action: Wait until the refresh is complete, then continue working.

**CTMA26E** USER NOT AUTHORIZED

Explanation: The function requested is not authorized for the user. The message is issued by the IOA security mechanism.

Corrective Action: Check with your system security administrator.

**CTMA27I** THE NEW LANGUAGE WILL BE USED FROM THE NEXT LOGON TO IOA

Explanation: This information message is a response to the use of the SET command to set a language. It indicates that the newly-set language will begin to be used when you next log on to IOA.

Corrective Action: No action is required.

**CTMA29E** INVALID TRACE LEVEL. USE: SET TRACE=trace-lvl

Explanation: Either the value or the setting of the specified trace is not valid. The trace level may be any value from 1 through 256. The trace level setting must be ON or OFF.

The system ignores the command and continues processing.

Corrective Action: Enter a valid value and/or a valid setting for the trace level, and try again.

**CTMA2AI** TRACE LEVEL nnn WAS SET {ON | OFF}

Explanation: This information message indicates that a trace level was turned ON or OFF, where nnn is the TRACE level number.

Corrective Action: No action is required.

**CTMA2CE** ONLINE TRACING IS NOT ALLOWED, PLEASE CONTACT YOUR IOA ADMINISTRATOR

Explanation: A user issued the SET TRACE command in order to turn on the trace, and the tracing is not allowed.

The trace is not turned on.

Corrective Action: Contact your IOA administrator in order to enable the online tracing.
CTMA30I OLD AJF NEEDED #recs RECORDS FOR #jobs JOBS

**Explanation:** The AJF conversion utility issues this information message to show the number of jobs on the old Active Jobs file, and the number of old Active Jobs file records that were needed to store these jobs.

**Corrective Action:** No action is required.

CTMA31I NEW AJF NEEDS #recs RECORDS FOR #jobs JOBS

**Explanation:** The AJF conversion utility issues this information message to show the number of jobs on the new Active Jobs file, and the number of new Active Jobs file records that are now needed to store these jobs.

The variables in this message are:
- `#recs` - the number of new AJF records required to store #jobs
- `#jobs` - the number of jobs on the new AJF

**Corrective Action:** No action is required.

CTMA32I PERCENTAGE OF RECORDS RELEASED IN NEW JOBS FILE: nn %

**Explanation:** The AJF conversion utility issues this information message to show the percentage of unused records in the new Active Jobs file (AJF).

In this message, `nn%` is the percentage of unused records in the new AJF.

**Corrective Action:** No action is required.

CTMA33I AVERAGE NUMBER OF RECORDS PER JOB IN NEW AJF: nn.nn

**Explanation:** The AJF conversion utility issues this information message to show the average number of records used to store one job on the new Active Jobs file.

**Corrective Action:** No action is required.

CTMA34I AVERAGE NUMBER OF FREE BYTES PER JOB IN NEW AJF: #bytes

**Explanation:** The AJF conversion utility issues this information message to show the average number of unused bytes in the records used to store one job on the new Active Jobs file.

**Corrective Action:** No action is required.

CTMA3AS OLD STEPLIB AND NEW STEPLIB ARE THE SAME

**Explanation:** The CTMCAF utility cannot convert the file from one version to another because only one Load library was indicated. The STEPOLD DD statement should point to the Load library of the previous version, but it points to the Load library of the new version.

The CTMCAF utility terminates with a return code of 08.

**Corrective Action:** Correct the STEPOLD DD statement so that it points to the Load library of the previous version, and rerun the job.
CTMA3BS SIZE OF OLD AJF/HST DIFFERS FROM SIZE OF NEW ONE

Explanation: The CTMCAF utility cannot convert the file from one version to another because the AJF or HST file sizes are not identical. The conversion requires the same size files for the new version and the old version. The file size should match the size specified in CTMPARM.

The CTMCAF utility terminates with a return code of 08.

Corrective Action: Correct the file sizes so that they are identical for both versions, and rerun the job.

CTMA3CS LOAD MODULE CTMLOGR FAILED

Explanation: An internal error occurred during the load of the CTMLOGR module.

The CTMCAF utility terminates with a return code of 08.

Corrective Action: Have your INCONTROL administrator record the return code, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMA3DS DELETE MODULE CTMLOGR FAILED

Explanation: An internal error occurred during deletion of the CTMLOGR module.

The CTMCAF utility terminates with a return code of 08.

Corrective Action: Have your INCONTROL administrator notify your INCONTROL administrator.

CTMA40I ACTIVE JOBS FILE CONVERSION STARTED

Explanation: This information message indicates that the process of converting or copying an Active Jobs file has started.

Corrective Action: No action is required.

CTMA41S OPEN OF OLD ACTIVE JOBS FILE FAILED. DDNAME "DAOLDAJF"

Explanation: The Active Jobs file conversion utility failed to open the input Control-M Active Jobs file. The conversion is terminated. No changes are made to the output file.

Corrective Action: Look at the JCL for the specific file and see if it contains a valid Control-M Active Jobs file. If it does not, correct and rerun the job.

CTMA42S OPEN OF NEW ACTIVE JOBS FILE FAILED. DDNAME "DANEWAJF"

Explanation: The Active Jobs file conversion utility failed to open the output Control-M Active Jobs file.

Corrective Action: Look at the JCL for the specific file and see if it contains a valid Control-M Active Jobs file. If it does not, correct and rerun the job.

The conversion is terminated. No changes are made to the output file.
CTMA43S FILE ALLOCATED TO DD STATEMENT "DAOLDAJF" IS NOT AN OLD FORMAT ACTIVE JOBS FILE

Explanation: The Active Jobs file (AJF) conversion utility opened the input Control-M Active Jobs file and found its format invalid.

The conversion is terminated. No changes are made to the output file.

Corrective Action: Check the JCL for the specific file and see if it contains a valid Control-M file from an earlier release. If it does not, correct and rerun the job.

CTMA44S GENERAL DAILY IS CURRENTLY WORKING ON THE OLD ACTIVE JOBS FILE

Explanation: The Active Jobs file conversion utility opened the input Control-M Active Jobs file and found it in the middle of formatting by the Control-M New Day procedure, or that a previous run of the New Day procedure has failed.

The conversion is terminated. No changes are made to the output file.

Corrective Action: Check whether the New Day procedure is currently running. After it finishes executing, shut down the old Control-M and rerun the job.

CTMA47S FILE ALLOCATED TO DD STATEMENT "DANEWAJF" IS NOT EMPTY

Explanation: The Active Jobs file conversion utility opened the output Control-M Active Jobs file and found it not to be empty.

The conversion is terminated. No changes are made to the output file.

Corrective Action: The file must be empty. Format the new file using the FORMCKP utility.

CTMA48E FILE ALLOCATED TO DD STATEMENT "DAOLDAJF" IS EMPTY

Explanation: The Active Jobs file conversion utility opened the input Control-M Active Jobs file and found it to be empty.

The conversion is terminated. No changes are made to the output file.

Corrective Action: Look at the JCL for the specific file and see if it contains the right Active Jobs file. If it does, no conversion is necessary.

CTMA49S OPEN OF OLD STEPLIB FAILED

Explanation: Open of library allocated to the STEPOLD DD statement failed.

Possible causes are:

- The STEPOLD DD statement is missing.
- The file allocated to the STEPOLD DD statement is not a load module library.

The conversion program terminates with a condition code of 08.

Corrective Action: Check that the STEPOLD DD statement is allocated to a load module library.
CTMA50S INTERNAL ERROR WHILE CONVERTING RESOURCES

Explanation: The Active Jobs file conversion utility started executing but encountered an invalid format of job entries in the input file.

The conversion program has encountered a job which has invalid entries in the Control-M Active Jobs file.

The conversion is terminated at the job definitions which are invalid.

Corrective Action: Do the following:

1. Look in the new Active Jobs file for the last job converted. The next job in the old Active Jobs file is the problem job.
2. Supply your ICONTROL administrator with a dump of the old Active Jobs file, stating the job on which the error occurred.
3. Delete the job entry using the Control-M Online Facility.
4. Compress the old Active Jobs file.
5. Rerun the job.

CTMA51S {OLD | NEW} CTMPARM DOES NOT FIT {OLD | NEW} ACTIVE JOBS FILE

Explanation: IOAPARM of the old or new version does not fit the Active Jobs file of that version.

Probable cause is that STEPLIB (or STEPOLD) does not point to the library containing the appropriate CTMPARM, or that the file allocated to the DD name DAOLDAJF or DANEWAJF is not of the correct version.

The conversion program terminates with a condition code of 08.

Corrective Action: Check that the library allocated to the DD name DAOLDAJF or DANEWAJF contains the correct IOAPARM, and check that the file allocated to the DD name DAOLDAJF or DANEWAJF is the correct file.

CTMA52S INTERNAL ERROR OCCURRED DURING CONVERSION. RC=rc

Explanation: An internal error has occurred during the execution of the conversion program.

The conversion program terminates with a condition code of 08.

Corrective Action: Notify your ICONTROL administrator.

CTMA53I CONVERSION OF ACTIVE JOBS FILE ENDED WELL

Explanation: This information message indicates that the process of converting or copying the Active Jobs file ended OK.

Corrective Action: No action is required.

CTMA54S CONTROL-M/RESTART WAS INSTALLED IN PREVIOUS VERSION, AND IS NOT INSTALLED NOW

Explanation: Control-M/Restart was installed in the old version, but not in the newly defined version.

The conversion program terminates with a condition code of 08.
**Corrective Action:** Check why Control-M/Restart is not installed in new version, and make sure that it is installed before rerunning the conversion program.

**CTMA55E** TASK IS NOT APF AUTHORIZED

**Explanation:** A started task (STC) requiring APF authorization was not APF authorized. Certain STCs (for example, CTMVMON) must be run from APF authorized libraries.

The task stops after issuing the error message.

**Corrective Action:** Change the JCL or authorize the library so that the STC will be run from an authorized library.

**CTMA56E** MEMBER *memName* READ ERROR RC=*rc* IN *dsn*

**Explanation:** While processing a Control-M DO FORCEJOB, CMEM or Control-O request, the Control-M monitor encountered an error while reading table *memName* in data set *dsn*.

This message is followed by additional messages which identify the failed action.

No additional action will be taken for the failed job/table order.

**Corrective Action:** For information about the return code *rc*, see the DOCIMEM member in the IOA DOC library.

**CTMA57E** MEMBER *memName* IS EMPTY IN *dsn*

**Explanation:** While processing CMEM or Control-O request, the Control-M monitor encountered an empty table *memName* in data set *dsn*.

This message is followed by message WKJA59E which identifies the failed action.

No additional action will be taken for the failed job/table order.

**Corrective Action:** Make sure that table *memName* contains valid scheduling information.

**CTMA58E** ABEND *abCode* WHILE PROCESSING *dsn*

**Explanation:** While processing a CMEM or Control-O request for data set *dsn*, the Control-M monitor encountered an abend condition *abCode*.

This message is followed by message WKJA59E which identifies the failed action.

No additional action will be taken for the failed job/table order.

**Corrective Action:** Record the abend code, prepare the Control-M monitor full output, and contact BMC Customer Support.

**CTMA59E** FORCEJOB FAILED FOR JOB *jobName* IN TABLE *tableName* FROM *dsn*

**Explanation:** An error occurred while processing a FORCEJOB request for job *jobName*, or, in the case where *jobName* is blank, for the complete scheduling table *tableName*.

The source of the request may be:
Control-O request for a DO FORCEJOB
Control-M request for a DO FORCEJOB
CMEM FORCEJOB action

This message is preceded by another message, which gives more details of the cause of the error.

Control-M may try again to execute the job or table, depending on the values set for the FORCE#RT and FORCE#WI installation parameters. For more information, see the customization chapter of the INCONTROL for z/OS Installation Guide.

**Corrective Action:** Correct the error as detailed in the preceding message. If scheduling is still required for the job or table for which the error occurred, then the job or table should be ordered manually. If the specification in the original request was incorrect, correct it and reload, if necessary. Reload the CMEM table or reorder the Control-O rule.

---

**CTMA5AE** ANOTHER MONITOR ALREADY READING FROM LOG STREAM
**STR=**structureName **L/S=logStreamName**

**Explanation:** This error message is issued when an attempt is made to read an MVS System Logger log stream which is currently being read by another Control-M monitor.

To avoid a loop of FORCEJOB jobs, the same MVS System Logger log stream should not be read simultaneously by more than one Control-M monitor. Should a second Control-M monitor attempt to read the same log stream, this error message is issued.

The CMEM facility is deactivated for this Control-M monitor.

**Corrective Action:** Make sure only one Control-M monitor is reading the same MVS System Logger log stream simultaneously.

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**CTMA5BE** FREEMAIN \((storage\_add / len)\) FAILED AT POINT \(ref\_point\)

**Explanation:** A Control-M component attempted to free a block of working storage, but failed to do so.

The variables in this message are:
- **storage_add** - the working storage address
- **len** - the length of the working storage
- **ref_point** - the reference point in the Control-M component

No additional action is performed.

**Corrective Action:** If this is a recurring problem, prepare the Control-M monitor full output and contact BMC Customer Support. If ignored, this may cause severe insufficient storage problems.

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**CTMA5CI** CONTROL-M WILL RETRY PERFORMING THE FORCEJOB REQUEST FOR JOB **jobName** TABLE **tableName** IN **dsn**

**Explanation:** Control-M failed to execute a DO FORCEJOB request because a scheduling table was in use.

The source of the DO FORCEJOB request may be any of the following:
DO FORCEJOB a Control-O request for a DO FORCEJOB
DO FORCEJOB a Control-M request for a DO FORCEJOB
aa CMEM DO FORCEJOB action

Control-M queues the DO FORCEJOB request, and may try again to execute it, depending on the values set for the FORCE#RT and FORCE#WI installation parameters.

For more information on the FORCE#RT and FORCE#WI installation parameters, see the customization chapter of the INCONTROL for z/OS Installation Guide.

Corrective Action: No action is required.

CTMA5DI FORCEJOB SUCCEEDED AFTER RETRIES FOR JOB jobName IN TABLE tableName FROM dsn

Explanation: After failing to execute a DO FORCEJOB request because a scheduling table was in use, Control-M retried the request and succeeded in executing it, in accordance with the values set for the FORCE#RT and FORCE#WI installation parameters.

The source of the DO FORCEJOB request was one of the following:
- a Control-O request for a DO FORCEJOB
- a Control-M request for a DO FORCEJOB
- a CMEM DO FORCEJOB action

No additional action is taken.

Corrective Action: No action is required.

CTMA5EI CONTROL-M WILL RETRY PROCESSING DATASET TRIGGER: trigger_dsn

Explanation: During the processing of a CONNECT DIRECT request, no successfully triggered events were processed, and a data set-in-use condition occurred.

The probable source of the CONNECT DIRECT request is the IOADCC utility.

Control-M queues the DO FORCEJOB request, and will try again to execute it, in accordance with the values set for the FORCE#RT and FORCE#WI installation parameters.

For more information on the FORCE#RT and FORCE#WI installation parameters, see the customization chapter of the INCONTROL for z/OS Installation Guide.

Corrective Action: No action is required.

CTMA5FE SCHEDULE LIBRARY schedLib IS MIGRATED

Explanation: A DO FORCEJOB command was issued for a table in the schedLib scheduling library, which has been migrated. An attempt was made to RECALL the library. An additional message follows describing whether the RECALL action was successful or not.

Corrective Action: Look for the following messages, which inform about the success of the RECALL action.
CTMA5IE CONTROL-M WILL NO LONGER RETRY THE REQUEST

**Explanation:** When a schedule table is not available because the data set is in use by another address space, Control-M retries the request several times based on the FORCE#RT parameter in CTMPARM. When this number of retries is exhausted and Control-M no longer retries the request, this message is displayed.

Control-M no longer retries the request.

**Corrective Action:** Determine why the data set is in use and retry the request manually. Messages CTMC53E and CTMA59E give details about the job name, table name, and schedule library name.

CTMA60I EXCEPTIONAL CONDITION RC=rc, ERROR=err, FEEDBACK=feedback, APPLID=applId

**Explanation:** This information message indicates that an exceptional VTAM condition was encountered during the execution of a KOA communication command.

This informational message is issued by the KOA Facility. Return code, error and feedback information are detailed in an appendix to the Control-O User Guide.

The KOA script continues processing. If an ON SCREENERROR statement was specified, the processing resumes at the label specified in the ON statement.

**Corrective Action:** Analyze the specific VTAM error, and take the corresponding corrective actions. Make sure that the error is handled correctly by the KOA script.

CTMA64E KEYSTROKE UTILITY DETECTED INTERNAL ABEND abCode

**Explanation:** An internal abend was intercepted by the KeyStroke utility.

The KSL/KOA script is terminated.

**Corrective Action:** Check the associated error messages. Correct the KOA script accordingly, and resubmit.

CTMA70E THERE IS AN ERROR IN IOAKPRM MEMBER. PLEASE CHECK THE SMFID FIELD.

**Explanation:** The SMF ID of the CPU to which the KSL job was submitted does not appear in the IOAKPRM member in the IOA PARM library.

The KSL stops running.

**Corrective Action:** Add the SMFID by making the appropriate entry in the IOAKPRM member. The best way of doing this is by means of the INCONTROL Installation and Customization Engine (ICE). For more information on ICE, see the INCONTROL for z/OS Installation Guide.

CTMA86I CTMUDR STARTED

**Explanation:** This informational message indicates that the initial program invoked by the CTMEMUDL procedure has begun processing.

**Corrective Action:** No action is required.
CTMA87I  CTMUDR ENDED

Explanation: This information message indicates the normal termination of the initial program invoked by the CTMEMUDL procedure.

Corrective Action: No action is required.

CTMAE1I  LOADING AUTO-EDIT CACHE USING MEMBER: memName

Explanation: This information message indicates the start of Control-M AutoEdit cache initialization. The message is issued on starting the Control-M monitor if the AECACHL parameter is defined, or when the command F CONTROLM,AECACHE=RELOAD... is processed.

In this message, memName identifies the member that contains the list of members that should be loaded into AutoEdit cache.

Corrective Action: No action is required.

CTMAE2I  textLine

Explanation: This information message displays a non-comment line from the member indicated in message CTMAE1I, as follows:

- This message is issued for each line in that member that is processed.
- This message is also issued, if an error occurs, to display the line associated with the error. The error can occur in the line itself, or it can occur in the member pointed to by the line.

Corrective Action: No action is required.

CTMAE3E  ERROR READING MEMBER memName RSN/RC = rsn rc

Explanation: An error occurred during the reading of the member referenced by the DD statement identified in message CTMAE2I. The return code (rc) and reason code (rsn) are returned by the IOAMEM utility.

Loading of Auto-Edit cache is terminated.

Corrective Action: Correct the error. Recycling of the Control-M monitor is not necessary; refresh the Auto-Edit cache by entering the operator command F CONTROLM,AECACHE=RELOAD[(memName)].

CTMAE4E  INTERNAL ERROR LOADING AUTO-EDIT CACHE. CACHING CANCELLED. RC = rc

Explanation: An internal error occurred during the loading of AutoEdit cache. The cause may have been a shortage of storage.

Loading of Auto-Edit cache is terminated.

Corrective Action: Correct the error. Recycling of the Control-M monitor is not necessary; refresh the Auto-Edit cache by entering the operator command F CONTROLM,AECACHE=RELOAD[(memName)].
CTMAE5E SYNTAX ERROR IN MEMBER *memName*. LOADING OF AUTO-EDIT CACHE TERMINATED

**Explanation:** An AutoEdit syntax error was detected either in the line identified in message CTMAE2I, or in the member referenced by that line.

Loading of Auto-Edit cache is terminated.

**Corrective Action:** Correct the syntax error. Recycling of the Control-M monitor is not necessary; refresh the Auto-Edit cache by entering the operator command `F CONTROLM,AECACHE=RELOAD[(memName)]`.

CTMAE7E ERROR CODE RETURNED BY IOAGLB. FUNCTION: *func* RC = *rc*

**Explanation:** An error occurred when trying to access the IOA AutoEdit database.

If the problem occurred during JCL processing during submission, and `%%RESOLVE NO` was not previously set, job submission is cancelled. Otherwise, the variable remains as is, that is, unresolved.

**Corrective Action:** The following actions are recommended:

- Check if the Control-O or CMEM monitor is up.
- Use screen IV to check that the IOAVAR database is defined.
- Check that the IOAVAR database is defined in the IOAprefix IOAENV(IOAGLBVL) member.

Messages CTMB00 through CTMBxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMB01S ISPF MESSAGE: *msgText*

**Explanation:** ISPF generates this message when an ISPF service returns an invalid return code of 12 or higher. The message text describes the specific problem.

The ISPF service is abnormally terminated.

**Corrective Action:** Check the information provided in the error message. Note that many problems can be resolved by exiting and reentering ISPF.

CTMB03S INTERNAL ERROR *descr*. EXIT ISPF AND RETRY

**Explanation:** ISPF returned an invalid return code, usually an RC less than 12. This general message may be issued for any ISPF service, such as TBADD, TBPUT, VCOPY, and so on.

The ISPF service is abnormally terminated.

**Corrective Action:** Many problems can be solved by exiting and reentering ISPF.

CTMB04E LOCATE FAILED FOR - *string*

**Explanation:** The LOCATE command failed to find the required parameter.

The lines on the screen remain in their original position.

**Corrective Action:** No action is required.
CTMB05E INVALID COMMAND - cmd

**Explanation:** The command entered is not a valid command.

The command is ignored.

**Corrective Action:** Correct the command entry. You may use the Help command (PF1) to display a list of the available commands.

CTMB06I CHANGES NOT SAVED DUE TO A CANCEL REQUEST

**Explanation:** This information message indicates that a CANCEL command was entered. The user requested that all changes made to the current table or plan be ignored.

The changes are not kept in the library.

**Corrective Action:** No action is required.

CTMB07E VALID OPTIONS: " " (UPDATE) D (DELETE) A/R (ADD) I (INSERT)

**Explanation:** An invalid value was entered in the OPTION field.

The invalid option is ignored.

**Corrective Action:** Enter a valid option. Valid options are listed in the error message. Use the Help command (PF1) to display a list and explanation of the available options.

CTMB10E {TABLE | PLAN} {table|planid} NOT CREATE. RC=rc

**Explanation:** The facility could not create a new Master Table or Plan. The ISPF service TBADD failed with the return code `rc` specified in the message.

The table or plan is not created.

**Corrective Action:** Check the return code of the TBADD service. Many problems are solved by exiting and reentering ISPF.

CTMB11I {TABLE | PLAN} {table|planid} CREATED AND PLACED IN lib

**Explanation:** This information message indicates that a new table or plan was added to the library.

**Corrective Action:** No action is required.

CTMB12E MASTER {TABLE | PLAN} {table|planid} ALREADY EXISTS. USE ANOTHER NAME

**Explanation:** The facility found an existing table or plan with the same name. Each Master Table or Plan must have a unique name in the system.

The Master Table or Plan is not created.

**Corrective Action:** Assign another name to the table you want to create.
CTMB13E INTERNAL ERROR - MEMORY ALLOCATION FAILED

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Contact BMC Customer Support.

CTMB14E MASTER {TABLE | PLAN} {table|planid} NOT FOUND. YOU MAY CREATE IT, OR EXIT

**Explanation:** The facility could not find the specified Master Table or Plan. It can be created now.

**Corrective Action:** To create a new Master Table or Plan, fill in the required details. To exit and return to the previous menu, press PF03 or PF15.

CTMB20E UPDATING OF MEMBER memName FAILED. COMPRESS LIBRARY lib

**Explanation:** The facility cannot update the AutoEdit member in the library because the AutoEdit parameters library is full.

The parameters member will not be created or updated.

**Corrective Action:** Compress the AutoEdit library.

CTMB21S UNABLE TO ALLOCATE DATASET dsn DDNAME ddName

**Explanation:** The facility cannot perform dynamic allocation for the data set. The most probable cause is that the data set is held by another user or job.

The operation is terminated immediately.

**Corrective Action:** Check what prevented the dynamic allocation. If it was because another user held the data set, try again later.

CTMB22S IOACND ERROR - COND cond NOT ADDED. RC=rc

**Explanation:** The facility received an invalid return code from IOACND. The facility tried to add the condition to the IOA Conditions file by using the IOACND program. The operation failed.

The condition is not added.

**Corrective Action:** Check the messages produced by IOACND and proceed accordingly.

CTMB23I PARM parm UPDATED IN MEM memName LIBRARY lib

**Explanation:** This information message indicates that the AutoEdit member was updated in the library. The facility updated the parameter in the AutoEdit member.

**Corrective Action:** No action is required.
CTMB25S UNABLE TO FIND THE LOG FILE. CHECK THE SPECIFIED CONTROL-M PREFIX

Explanation: The facility cannot find the IOA Log file having the specified prefix. The facility uses the IOA Log file, and other files to add a condition to the Conditions file. Only the log file is checked, since all the files have the same prefix.

The operation stops immediately.

Corrective Action: Check the IOA files prefix in the Primary Menu.

CTMB26E TABLE PROMPTB NOT FOUND - DEFINE AT LEAST ONE TABLE IN OPTION 1

Explanation: The facility cannot find any tables in the Master Table List. The PROMPTB Table, which contains the Master Table List, is not found. The reason may be that a user specified Option 2 of the facility before defining at least one Master Table.

The facility returns to the Primary Menu.

Corrective Action: Define at least one Master Table in Option 1.

CTMB27E PLEASE FILL IN A VALID OPTION - "Y" OR "N"

Explanation: You tried to close the Save/Create Window without specifying whether or not to save or create the defined parameters and conditions. When exiting the Define Parameters and Conditions screen in the Parameter Prompting Facility Type 1, the Save/Create Window is opened. Option Y or N must be specified to save or create.

Corrective Action: No action is required.

CTMB28I TABLE tableName DELETED

Explanation: This information message confirms that the specified table will be deleted from the table list displayed by the Parameter Prompting facility (PPF) (Type 1) and from the table prompt library, as requested. The system issues this message after the user confirms the delete request.

As soon as the system finishes deleting the table, it redisplays the PPF Table Selection screen.

Corrective Action: No action is required.

CTMB30E PLEASE ENTER: SAVE (SAVE THE CHANGES) OR CANCEL (DO NOT KEEP CHANGES)

Explanation: Changes to the table were not saved or cancelled. After making changes in a table, you must enter SAVE or CANCEL to leave the table. SAVE saves the changes; CANCEL leaves the table unchanged.

Corrective Action: Enter SAVE or CANCEL.

CTMB31E PLEASE {SPECIFY THE PLAN NAME | FILL IN THE TABLE NAME PREFIX}

Explanation: There is no table name prefix or plan name.
Corrective Action: Enter the table name prefix or plan name.

CTMB32E TABLE tableName NOT FOUND IN LIB lib
Explanation: The facility cannot find the tableName table in the lib library.
Corrective Action: Do one of the following:
- For the PROMPT facility, create a new master table with the appropriate table name prefix.
- For the End User Job Order interface, ask your INCONTROL administrator to do one of the following:
  - Modify the @@USRTBL administration member
  - Create the tableName table in the lib library

CTMB33E THE PARAMETER IS NOT CORRECTLY DEFINED. DEFINE IT IN OPTION 1
Explanation: The parameter name is missing from the Daily or Master Table, so the facility cannot update the parameter.
Corrective Action: Define the parameter using Option 1.

CTMB34E TABLE IN USE BY ANOTHER USER OR UNABLE TO CREATE A NEW TABLE
Explanation: The facility cannot read the existing Daily Table or create a new one. The table is probably in use by another user.
The Daily Table is not displayed.
Corrective Action: Try again later.

CTMB37E master_table NOT FOUND IN LIBRARY lib
Explanation: The table list contains the name of a Master Table that the facility cannot find in the library.
The facility returns the Master Table List to the user.
Corrective Action: Delete the Master Table name from the Master Table list.

CTMB38E MEMBER memName MAY ALREADY EXIST IN lib
Explanation: The facility cannot copy the Master Table to Daily Table. When a member cannot be copied from one library to another, it may be because a member with the same name already exists in the target library.
The facility returns the Master Table List to the user.
Corrective Action: Check the Table library.
CTMB41I COND cond ODATE odate ADDED, AND PARM parm UPDATED

Explanation: This information message indicates that the specified parameter was successfully updated, and the specified prerequisite condition was added to the IOA Conditions file.

Corrective Action: No action is required.

CTMB42I PARM UPDATED, BUT COND cond ODATE odate ALREADY EXISTS

Explanation: This information message indicates that the specified parameter was updated, but the specified prerequisite condition was not added to the IOA Conditions file, because the condition already existed in the file. While the requested parameter change was successful (that is, the facility updated the parameter), it was unnecessary to add the condition to the Conditions file because the parameter had already been updated that day.

Corrective Action: No action is required.

CTMB48S INSUFFICIENT STORAGE. EXIT ISPF AND RETRY

Explanation: The facility cannot get enough virtual storage to create or read an AutoEdit member because the REGION size is too small.

The member is not created or updated.

Corrective Action: Exit ISPF and try to re-enter; or increase the REGION size.

CTMB49E READING AUTOEDIT MEMBER memName FAILED. CHECK LIBRARY lib

Explanation: The facility can not read the AutoEdit member from the library. There is probably a general system problem with the library file.

The member is not created or updated.

Corrective Action: Check the AutoEdit library file for general systems problems.

CTMB50E type - IS AN INVALID TYPE

Explanation: Invalid TYPE specified.

Corrective Action: Correct the TYPE field.

CTMB51E TYPE - type - ALREADY IN USE FOR THIS PARAMETER TYPE

Explanation: This type has already been defined for this parameter.

Corrective Action: Enter a correct TYPE combination.

CTMB52E INVALID TYPE COMBINATION - type

Explanation: This type conflicts with the previous types in the TYPE definition for the parameter. The combination is invalid.

Corrective Action: Enter a correct TYPE combination.
CTMB53E A VALID NUMBER IS EXPECTED AFTER MINL/MA XL

**Explanation:** An invalid value was entered after MINL or MAXL, which specifies the length limit. Valid values are number between 1-99.

**Corrective Action:** Enter a valid number after MINL or MAXL.

CTMB54E SPECIFIED PARAMETER INVALID FOR TYPE - *type*

**Explanation:** The parameter does not match the type specified in the message.

**Corrective Action:** Enter a value which is appropriate to the TYPE.

CTMB60S INTERNAL ERROR - UNABLE TO CALL VALIDATION ROUTINE CTMTVAL

**Explanation:** The facility cannot call the validation routine CTMTVAL. The CTMTPRP program, which is operated from CTMEXEC, failed to call the CTMTVAL validity check routine.

CTMEXEC terminates abnormally.

**Corrective Action:** Check the IOA Load library.

CTMB61E DATE FORMAT SHOULD BE *ddmmyy* (INTERNATIONAL) OR *mmddyy* (USA)

**Explanation:** The date format is invalid. The date field contains data, but the format of the date is not ddmmyy or mmddyy.

The panel is redisplayed with an error message.

**Corrective Action:** Enter date in the correct format.

CTMB62E UNABLE TO ALLOCATE LIBRARY *lib*

**Explanation:** The facility cannot allocate the *lib* library. The facility failed to allocate an existing library, or to create a new Daily library.

The current operation is abnormally terminated.

**Corrective Action:** If the library already exists, try displaying it. If the library is a new library, check to see if there is sufficient free space on the disk.

CTMB63E SCHEDULING TABLE *tableName* NOT FOUND IN LIBRARY *lib*

**Explanation:** The facility cannot find the *tableName* Scheduling Table in the *lib* library.

The current operation is terminated.

**Corrective Action:** Add the Scheduling Table to the library.

CTMB69E THE PARAMETER *parm* DOES NOT HAVE A DEFAULT VALUE

**Explanation:** There is no default value for this parameter. There is a request for the default value of the parameter to be used; however, this parameter does not have a default value.
No value is set for the parameter.

**Corrective Action:** Enter the value for the parameter.

**CTMB70I AUTOEDIT MEMBER *memName* HAS BEEN UPDATED IN THE DAILY LIBRARY**

**Explanation:** This information message indicates the facility updated the AutoEdit member. The facility does not order the jobs of the Daily Plan more than once. However, the AutoEdit member is updated with the current value of the parameters in the plan.

**Corrective Action:** No action is required.

**CTMB71I PLAN *planid* CONTAINS PARAMETERS WITHOUT A VALUE. CANNOT BE ORDERED**

**Explanation:** This information message indicates that the plan contains parameters without values. Therefore, the plan cannot be ordered by Control-M. A plan is ordered by Control-M only when all the parameters contain values.

The plan is not ordered.

**Corrective Action:** Enter values for the parameters.

**CTMB72E THE REMAIN OPTION IS BEING USED. TRY AGAIN LATER**

**Explanation:** Another user is probably performing an EXEC using the REMAIN option.

The EXEC phase is not performed.

**Corrective Action:** Try again later.

**CTMB73S CANNOT OPEN PLAN *planid*. EXIT ISPF AND RETRY**

**Explanation:** The facility cannot read the parameters from the plan.

The plan will not be ordered by Control-M, and the AutoEdit member will not be created.

**Corrective Action:** Exit, and then re-enter, ISPF.

**CTMB74I END OF PLAN LIST**

**Explanation:** This informational message indicates that the user specified YES in the REMAIN option of CTMEXEC, and CTMEXEC finished processing all the plans in the Daily library.

**Corrective Action:** No action is required.

**CTMB75E AUTOEDIT MEMBER *memName* ALREADY EXISTS IN *lib***

**Explanation:** The facility tried to create a new member in the AutoEdit library, but a member with the specified name already exists in the library.

The AutoEdit member is not created and the plan is not ordered by Control-M.

**Corrective Action:** Check the AutoEdit library.
CTMB77I PLAN planid HAS BEEN PLACED ON ACTIVE JOBS FILE

Explanation: This informative message indicates that the plan was ordered by Control-M.

Corrective Action: No action is required.

CTMB78E INDEX TABLE NOT FOUND. EXECUTE CTMFETCH BEFORE CTMEXEC

Explanation: The facility cannot find the Index Table in the Daily library that is created during the FETCH phase. The Index Table, which is created during the FETCH phase, contains information on all the Daily Plans that were fetched for that day.

The EXEC is not performed.

Corrective Action: Perform the FETCH again, and then execute CTMEXEC.

CTMB79S INTERNAL ERROR - PLAN planid WAS NOT FETCHED CORRECTLY

Explanation: This is an internal facility error. The FETCH phase was not completed. Due to previous errors during the FETCH, the Daily libraries do not contain all the information required to perform the EXEC.

The EXECUTE phase for the plan is terminated.

Corrective Action: Execute the FETCH for the plan again.

CTMB80I PLAN STATUS WAS CHANGED. SELECT IT AGAIN

Explanation: This information message indicates that the status of the plan was changed while the user was in the Plan Selection screen. The plan was probably executed by another user while the list of plans was displayed.

The list of plans is redisplayed.

Corrective Action: Select the plan again.

CTMB81I PLAN planid FETCHED TO THE DAILY LIBRARY

Explanation: This informative message indicates that the facility has successfully performed the FETCH phase for the plan.

Corrective Action: No action is required.

CTMB83E BAD RC FROM CTMMEM. COMPRESS THE SCHEDULING LIBRARY

Explanation: The facility received a non-zero return code when trying to read or update the Scheduling Table. The CTMMEM program returned a non-zero return code when the facility accessed the Scheduling library. The Daily Scheduling library may need to be compressed.

The FETCH phase is not completed.

Corrective Action: Compress the Daily Scheduling library, and perform the FETCH again.
CTMB84E MASTER PLAN planid NOT FOUND IN LIBRARY lib

Explanation: The facility cannot find the Master Plan in the Master Plan library. During the FETCH phase, the facility copies the Master Plan to the Daily library, but the Master Plan does not exist in the Master Plan library.

The FETCH phase is not completed.

Corrective Action: Create the Master Plan, or correct the name of the Master Plan or library.

CTMB85E DAILY SCHEDULING TABLE DOES NOT CONTAIN JOBS

Explanation: No jobs in this Scheduling Table are scheduled to be run today, according to their scheduling definitions. Therefore, there are no parameters in this plan that require prompting.

The Daily Scheduling Table is not created.

Corrective Action: Check whether or not jobs from this plan should have been fetched today.

CTMB86I ALLOCATING lib AS A NEW DAILY LIBRARY

Explanation: This informative message indicates that the facility is allocating a new Daily library. The first time, on a given day, that a user tries to perform a FETCH, the library against which the FETCH is performed is allocated as the Daily library for that day.

Corrective Action: No action is required.

CTMB87E PLEASE SPECIFY "YES" TO OVERRIDE THE DAILY PLAN, OR USE SUFFIX

Explanation: A Daily Plan with the same name was already fetched. Each Daily Plan must have a unique name in the Daily library. If a plan with the same name already exists in the Daily library, override the existing plan, or use a suffix to create a new plan.

The FETCH is not performed.

Corrective Action: Specify YES to override the plan or use a suffix to create a new Daily Plan.

CTMB93E PLAN planid NOT FOUND IN LIBRARY lib

Explanation: The facility cannot find the plan in the library. The plan should have been created earlier.

Corrective Action: Check to see if there is a physical problem with the library.

CTMB94E PLAN IS BEING UPDATED. TRY AGAIN LATER

Explanation: The plan is probably in use by another user. A plan can be updated by only one user at a time. A second user trying to update the same plan receives this message.

The plan is not displayed.

Corrective Action: Try again later.
CTMB95E PROMPTING MESSAGE IS REQUIRED WHEN SPECIFYING PROMPT IND=Y

Explanation: The user set PROMPT IND to Y, but the MESSAGE field is empty. Setting PROMPT IND to Y means that the user will be prompted for a value for this parameter during the EXEC phase. In such a case, a prompting message must be displayed at the time the EXEC is performed. The parameter is not accepted.

Corrective Action: Enter the text of the message, or set PROMPT IND to N.

CTMB96E DEFAULT VALUE IS REQUIRED WHEN SPECIFYING PROMPT IND=N

Explanation: PROMPT IND was set to N, but the DEFAULT field is empty. Setting PROMPT IND to N assigns the value of this parameter in the Master Plan, and prevents it from being modified during the EXEC phase. In this case, the value must be supplied.

Corrective Action: Enter the default value, or set PROMPT IND to Y.

CTMB97E OCCURRENCE NUMBER MUST BE TWO DIGITS (01, 02, 31, ETC.)

Explanation: Invalid format of the OCCUR NO. field. It should be two digits.

Corrective Action: Enter the value in correct format.

CTMBA0E PLEASE FILL IN TABLE NAME

Explanation: In the Control-M Quick Schedule Definition screen, the name of the scheduling table to be created was not entered. It is a required entry.

A prompt asks for a valid table name.

Corrective Action: Enter the name of the scheduling table to be created.

CTMBA1E SKELETON SCHEDULING TABLE tableName DOES NOT EXIST IN lib

Explanation: In the Control-M Quick Schedule Definition screen, the skeleton scheduling table tableName was not found in library lib.

A prompt requests the name of a skeleton scheduling table.

Corrective Action: Enter the name of a skeleton scheduling table that exists in library lib.

CTMBA2E GROUP NAME REQUIRED FOR THIS OPTION

Explanation: In the Control-M Quick Schedule Definition screen, the group name was not entered. If the format of the inter-job prerequisite conditions is GROUP-FROMJOB-SUFFIX, the group name is a required entry.

A prompt asks for a group name.

Corrective Action: Enter a group name of 1 to 20 non-blank characters.
CTMBA3E PLEASE FILL IN SKELETON SCHEDULING TABLE NAME

Explanation: In the Control-M Quick Schedule Definition screen, the name of the skeleton scheduling table was not entered.

A prompt asks for the name of a skeleton scheduling table.

Corrective Action: Enter the name of the skeleton scheduling table to be used.

CTMBA4E PREREQUISITE CONDITION PREFIX REQUIRED FOR THIS OPTION

Explanation: In the Control-M Quick Schedule Definition screen, a prerequisite condition prefix was not entered. If the format of the inter-job prerequisite conditions is PREFIX-FROMJOB-TOJOB, the prefix is a required entry.

A prompt asks for a prefix.

Corrective Action: Enter a one or two character prefix.

CTMBA6E PREREQUISITE CONDITION SUFFIX REQUIRED FOR THIS OPTION

Explanation: In the Control-M Quick Schedule Definition screen, a prerequisite condition suffix was not entered. If the format of the inter-job prerequisite conditions is FROMJOB-TOJOB-SUFFIX or GROUP-FROMJOB-SUFFIX, the suffix is a required entry.

A prompt requests a suffix.

Corrective Action: Enter the suffix. For FROMJOB-TOJOB-SUFFIX, the suffix is limited to one or two characters.

CTMBA9E ONE (AND ONLY ONE) OPTION MUST BE MARKED AS "Y"

Explanation: In the Control-M Quick Schedule Definition screen, either none of the options for prerequisite condition format was marked Y, or more than one was marked Y. Only one format for the inter-job prerequisite conditions may be used to create a scheduling table.

A prompt requests entry of valid Y and N values for the three prerequisite condition format options.

Corrective Action: Ensure that one of the three choices is marked Y, and the other two choices are marked N.

CTMBA9E ITEM MUST REFERENCE A MEMBER NAME IN THIS TABLE

Explanation: In the Control-M Quick Schedule Definition Jobs List screen, an entry in the DEPENDS ON field refers to a member that was not found in the table. Entries in the DEPENDS ON field must refer only to members in the table being created. One of the following was found:
A reference was made by member name, and no entry was found in the table with that name.

A reference was made by line number, and the line number was either greater than the last line in the table, or the line referenced has a blank member name.

On the first line of the table, a minus sign (-) was used to indicate the previous line. There is no previous line.

A prompt requests correction of the DEPENDS ON field.

**Corrective Action:** Correct the invalid reference, as follows:

- For a reference by member name, ensure that the spelling of the member name is correct, or that the referenced member is entered into the table.
- For a reference by line number, either enter a member name on the numbered line, or correct the reference so that it points to a line in the table with a non-blank member name.
- Remove the minus sign (-) reference from the first line.

**CTMBAEB** ONLY ONE "MOVE" OR "COPY" OPERATION ALLOWED

**Explanation:** In the Control-M Quick Schedule Definition Jobs List screen, more than one member has Option C or Option M selected.

Each time the Enter key is pressed, only one member may be moved or copied.

A prompt requests removal of one of the duplicate M or C options.

**Corrective Action:** Enter the M or C option on one line only.

**CTMBACE** ONLY ONE "BEFORE" OR "AFTER" ALLOWED

**Explanation:** In the Control-M Quick Schedule Definition Jobs List screen, more than one member has Option A or Option B selected. The target of a move or copy line operation must be a specific line, indicated with the A or B option.

A prompt requests removal of one of the duplicate A or B options.

**Corrective Action:** Enter option A or B on one line only.

**CTMBAED** BEFORE/AFTER IS REQUIRED WITH MOVE/COPY

**Explanation:** In the Control-M Quick Schedule Definition Job List screen, a Move or Copy operation was requested, but no line was marked with either an A (after) or B (before).

A prompt requests entry of option A or B.

**Corrective Action:** Enter either the A or B option to define where the data is to be moved or copied, or remove the Move or Copy option.

**CTMBAEE** MOVE/COPY IS REQUIRED WITH BEFORE/AFTER

**Explanation:** In the Control-M Quick Schedule Definition Jobs List screen, a Before or After was indicated, but no Move or Copy operation was requested.

A prompt asks for specification of an M or C option.

**Corrective Action:** Either enter a Move or Copy option, or remove the Before or After option.
CTMBAFE PLEASE ENTER DESCRIPTION

Explanation: In the Control-M Quick Schedule Definition Jobs List screen, the Description for a member was not entered.
A prompt requests a description.
Corrective Action: Enter the member description.

CTMBB0E A MEMBER MAY NOT DEPEND ON ITSELF

Explanation: In the Control-M Quick Schedule Definition Job List screen, a member refers to itself. A reference was found that is either a job name that is identical to the member name, or a line number that is the same as the line number the member is on.
A prompt requests correction of the DEPENDS ON field.
Corrective Action: Correct the reference in error.

CTMBB1E DEPENDENCY CAN BE: MEMNAME, LINE NUMBER, "- " OR *CONDNAME

Explanation: The DEPENDS ON field in the Quick Schedule Definition Job List screen contains data in an invalid format, such as an embedded blank in a member name, or two commas with no data between them. The DEPENDS ON field may consist of any number of subfields separated by commas. Each subfield may be either:

- The name of another member in the table
- The number of a line on which a member is defined
- A minus sign (- ), indicating the previous job in the table
- An asterisk (*) followed by a prerequisite condition name

If a prerequisite condition name is used, it must be the last subfield in the DEPENDS ON area. Only one condition name is allowed per line.
A prompt requests correction of the DEPENDS ON field.
Corrective Action: Correct the invalid data in the DEPENDS ON field.

CTMBB2E MEMBER NAME MAY APPEAR ONLY ONCE IN THE TABLE

Explanation: In the Control-M Quick Schedule Definition Job List screen, a member name appears more than once. A member name in a schedule produced by the Quick Schedule Definition must appear only once in the table.
A prompt requests removal of the duplicate members.
Corrective Action: Delete the duplicate entry.
CTMBBB3E LINE IS A PREREQUISITE FOR ANOTHER MEMBER - CANNOT BE DELETED

Explanation: In the Control-M Quick Schedule Definition Job List screen, option D (Delete) was entered for a member that is a prerequisite to another member. This line cannot be deleted, since this would cause the member that depends on it to refer to a member that does not exist.

A prompt requests removal of the reference to the line marked for deletion.

Corrective Action: Delete the references to the member to be deleted. Then the deletion will be accepted.

CTMBB4I TABLE tableName CREATED IN LIBRARY lib

Explanation: This information message indicates that scheduling table tableName has been built successfully and placed in library lib.

Corrective Action: No action is required.

CTMBB5W UPDATE CANCELLED BY USER

Explanation: In the Control-M Quick Schedule Definition Exit Option Window, the user entered N for the Save or Create option.

The scheduling table is not updated.

Corrective Action: No action is required.

CTMBB6I TABLE tableName REPLACED IN LIBRARY lib

Explanation: This information message indicates that a scheduling table has been successfully built and has replaced table tableName in library lib.

Corrective Action: No action is required.

CTMBB7E MEMBER IS NOT A VALID SKELETON SCHEDULING TABLE

Explanation: In the Control-M Quick Schedule Definition screen, the skeleton scheduling table specified is not a valid skeleton scheduling table, or it contains definitions for more than one job. The skeleton scheduling table must be a valid Control-M scheduling table, and must contain a definition for one and only one job.

The user is prompted to enter the name of a valid scheduling table.

Corrective Action: Either modify the skeleton scheduling table using the Control-M Online Schedule Definition - screen 2, and retry the request to use this skeleton scheduling table, or enter the name of a valid skeleton scheduling table.

CTMBB8E "S" IS THE ONLY OPTION PERMITTED

Explanation: In the End User Job Order Interface (CLIST CTMJBINT), a value other than S (select this job for submission) was specified in the OPTION field. Only S may be specified in the OPTION field, other than leaving the OPTION field blank.

Corrective Action: Ensure that the OPTION field for each job in the list either contains S or is blank, and then press Enter.
CTMBB9E DATE MUST BE IN FORMAT {MMDDYY | DDMMYY | YYMMDD}

**Explanation:** An invalid date was specified in the End User Job Order Interface (CLIST CTMJBINT). The format shown in the message text depends on the standard in use at the site. The specified date was not valid according to this standard.

**Corrective Action:** Specify a date that is valid according to the indicated site standard, and press Enter.

CTMBBAS ERROR ALLOCATING LIBRARY. PLEASE CONTACT YOUR IOA ADMINISTRATOR

**Explanation:** An internal error occurred while allocating the library for the End User Job Order Interface (CLIST CTMJBINT). The system was unable to allocate a required library. Possible causes are:

- Control-M was not installed, or was incorrectly installed.
- CLIST CTMJBINT was modified to point to a library other than the default library, and the modification is incorrect.
- The library indicated by USRLIB is currently allocated to another address space with DISP set to OLD or MOD or NEW.

The CLIST is terminated without any further processing.

**Corrective Action:** Notify your INCONTROL administrator who, depending on the cause of the error, should perform the appropriate action, as follows:

- Examine CLIST CTMJBINT. If the USRLIB parameter contains percent signs (%), there is a problem with the installation of Control-M. Install Control-M correctly.
- Ensure that the USRLIB parameter points to a cataloged data set.
- Resolve any outstanding allocation conflicts.

CTMBBBS ERROR OPENING LIBRARY. PLEASE CONTACT YOUR IOA ADMINISTRATOR

**Explanation:** An internal error occurred while opening the library for the End User Job Order Interface (CLIST CTMJBINT). The system cannot open the library indicated in the USRLIB parameter in CLIST CTMJBINT.

The CLIST is terminated without any further processing.

**Corrective Action:** Notify your IOA administrator. The IOA administrator should determine why the system was not able to open the library. For example, ensure that the library exists, and resides on the volume to which the MVS catalog points.

CTMBBCE THIS FUNCTION HAS NOT BEEN PREPARED FOR USE AT YOUR INSTALLATION

**Explanation:** The user attempted to use the Control-M End User Job Order Interface (CLIST CTMJBINT), but the End User Job Order Interface has not been implemented at your site.

The CLIST is terminated without any further processing.
**Corrective Action:** Request that the INCONTROL administrator implement the End User Job Order Interface at your site. Implementation instructions are in the Control-M chapter of the *INCONTROL for z/OS Administrator Guide.*

**CTMBBDE NO JOB LIST DEFINED FOR *usr.* CONTACT YOUR IOA ADMINISTRATOR**

**Explanation:** A user (*usr*) attempted to use the Control-M End User Job Order Interface (CLIST CTMJBINT), but no job list is defined for that user.

The CLIST is terminated without any further processing.

**Corrective Action:** Notify your IOA administrator that you are unable to use the End User Job Order Interface. Implementation instructions for the End User Job Order Interface are provided in the chapter that describes JCL and the AutoEdit facility in the *Control-M for z/OS User Guide.*

**CTMBBEE RENAME/DELETE DUPLICATE JOB *jobName* IN SCHEDULING TABLE *tableName***

**Explanation:** The user requested the M6 Control-M ISPF utility or executed the CLIST CTMJOBRQ command. However, the *tableName* Control-M Job Scheduling table contains job names that are duplicates.

A list of the job names in the *tableName* Job Scheduling table is displayed, but this list contains only one entry for each set of duplicated job names.

**Corrective Action:** Ask your INCONTROL administrator to delete or rename the jobs in the *tableName* scheduling table that have names that duplicate other job names.

**Messages CTMC00 through CTMCxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTMC04I CTO SUBSYSTEM *subsys* INACTIVE. TD MESSAGES NOT PROCESSED**

**Explanation:** This information message indicates that the Control-O CICS Interface was activated but cannot process Transient Data (TD) messages because the Control-O monitor is not active. The Control-O CICS Interface can automate Transient Data messages only when the Control-O monitor is active.

The processing of Transient Data messages is discontinued. It will be resumed when Control-O becomes active.

**Corrective Action:** Start the Control-O monitor.

**CTMC05I CTO SUBSYSTEM *subsys* IS NOW ACTIVE. TD MESSAGES ARE PROCESSED**

**Explanation:** This informative message indicates that the processing of Transient Data (TD) messages resumes because the Control-O monitor has been activated. The Control-O CICS Interface can automate Transient Data messages only when the Control-O monitor is active.
Processing of Transient Data messages resumes.

**Corrective Action:** No action is required.

**CTMC07E CICS FUNCTION** `func` **RESOURCE** `res` **ERROR** `resp1` **RESPONSE** `resp2`

**Explanation:** The Control-O CICS initialization interface module of the IOA environment failed due to a CICS service error.

The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient data queues.

**Corrective Action:** Notify the CICS or INCONTROL administrator.

**CTMC0AE BLDL/LOAD FAILED FOR MODULE** `modName`

**Explanation:** The CTOCTDT Control-O CICS interface initialization module failed to load the `modName` module.

The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient data queues.

**Corrective Action:** Do the following:

1. Verify that the IOA load library is concatenated to CICS STEPLIB. If it is not, do the following, in sequence:
   - Add the IOA load library to the CICS STEPLIB.
   - Stop and restart the CICS.
2. Restart the Control-O CICS interface.

**CTMC0BE CONTROL-O IS NOT INSTALLED. IOAPARM MUST BE SET TO CTO=Y**

**Explanation:** The Control-O CICS interface module initialization of the IOA environment failed, because Control-O is not installed, that is, CTO is not set to Y.

The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient data queues.

**Corrective Action:** Notify the INCONTROL administrator.

**CTMC0CE CTOPARM WAS NOT INITIALIZED. CHECK ERROR MESSAGES ON THE JOBLOG/SYSLOG**

**Explanation:** The Control-O CICS interface module initialization of the IOA environment failed because CTOPARM is not initialized.

The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient data queues.

**Corrective Action:** Notify the INCONTROL administrator.
CTMC11I CONTROL-O CICS INTERFACE INITIALIZATION COMPLETED FOR SUBSYSTEM

Explanation: This information message is issued upon successful completion of the Control-O CICS Interface initialization for the specified subsystem.

Corrective Action: No action is required.

CTMC12E ERROR IN SEND TO CICS TERMINAL. EIBRESP=errCode

Explanation: The Control-O CICS Interface could not send a message to the terminal during initialization or termination. Command EXEC CICS SEND failed with error code errCode.

Corrective Action: Check the error code. If the problem is related to CICS customization, or to storage violations due to user transactions, correct the problem. Otherwise, prepare the Control-M monitor full output and contact BMC Customer Support.

CTMC14E ERROR WHILE TRYING TO DETERMINE CICS LEVEL. EIBRESP=errCode

Explanation: The Control-O CICS Interface could not determine the level of the CICS release. Command EXEC CICS INQUIRE SYSTEM RELEASE failed with error code errCode.

Corrective Action: Check the error code, and correct accordingly. If necessary, contact BMC Customer Support.

CTMC15E ERROR IN RECEIVE FROM TERMINAL. EIBRESP=errCode

Explanation: The Control-O CICS Interface could not receive from the terminal during initialization or termination. Command EXEC CICS RECEIVE failed with the error code errCode.

Corrective Action: Check the error code. If the problem is related to CICS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Customer Support.

CTMC16W INIT REQUEST INVALID. INTERFACE ALREADY INITIALIZED

Explanation: An initialization request was issued, but the Control-O CICS Interface is already initialized. The request is not processed.

Corrective Action: No action is required.

CTMC19E ONLINE MONITOR IS ACTIVE FOR ANOTHER RELEASE. IOA SESSION NOT ESTABLISHED. RC=rc

Explanation: This is one of two messages with the same ID, but different text.

Valid values for rc, and the appropriate responses, are shown in the following table.

The IOA online session is not started.
Corrective Action:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>An internal error was detected.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>3</td>
<td>An internal error was detected.</td>
<td>Contact BMC Customer Support.</td>
</tr>
</tbody>
</table>

CTMC19E "PGMIDERR" ERROR IN LOADING CTOCTDP

**Explanation:** This is one of two messages with the same ID, but different text.

Load of the CTOCTDP program failed due to a program ID error. Command EXEC CICS LOAD failed. The probable cause of the error is that the CTOCTDP program is not defined in the CICS tables.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Make sure that the CTOCTDP program was defined and copied correctly to CICS. For details, see the instructions for installing the Control-O CICS Interface, in the Control-O chapter of the *INCONTROL for z/OS Installation Guide*.

CTMC20E UNAUTHORIZED TO LOAD CTOCTDP

**Explanation:** Load of the CTOCTDP program failed because the user is unauthorized to load the program.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Perform the necessary CICS customization, or see your CICS security administrator.

CTMC21I CONTROL-O CICS INTERFACE INITIALIZATION STARTED

**Explanation:** This informative message is issued at the start of the Control-O CICS Interface initialization.

**Corrective Action:** No action is required.

CTMC22E ERROR IN OBTAINING CSA ADDRESS

**Explanation:** Command EXEC CICS ADDRESS failed.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Contact BMC Customer Support.

CTMC24E ERROR IN EXTRACT EXIT FOR CTOCTDX. EIBRCODE(BYTES 1-2)=errCode

**Explanation:** Command EXEC CICS EXTRACT failed with error code *errCode*.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Check the error code and correct the problem accordingly; then try to initialize the interface again. If necessary, contact BMC Customer Support.
CTMC25E INTERFACE NOT INITIALIZED. SHUT REQUEST INVALID

**Explanation:** A SHUT request was issued, but it was invalid since the Control-O CICS Interface was not initialized.

The request is not processed.

**Corrective Action:** No action is required.

CTMC26I CONTROL-O CICS INTERFACE SHUTDOWN STARTED FOR SUBSYSTEM

**Explanation:** This information message is issued at start of the Control-O CICS Interface shutdown for the specified subsystem.

**Corrective Action:** No action is required.

CTMC27I CONTROL-O CICS INTERFACE SHUTDOWN COMPLETED

**Explanation:** This information message is issued upon completion of the Control-O CICS Interface shutdown.

**Corrective Action:** No action is required.

CTMC30I CMEM IS ALREADY ACTIVE FOR THIS JOB - REQUEST FROM subsys IGNORED

**Explanation:** This information message indicates that another subsystem already processes CMEM events for this job. CMEM and/or Control-O are trying to process the same job, but DATASET and NCT2 (NOT CATLGD 2) event processing can be activated by one subsystem only.

DATASET and NCT2 events for this job will not be managed by the CMEM subsystem identified in the message, but by the other subsystem.

**Corrective Action:** Define DATASET or NCT2 events for a job in one CMEM table only.

CTMC31E "PGMIDERR" ERROR IN RELEASING CTOCTDP

**Explanation:** Command EXEC CICS RELEASE failed due to a program ID error.

The Control-O CICS Interface is not shut down.

**Corrective Action:** Activate and deactivate the Control-O CICS Interface. If the problem persists, contact BMC Customer Support.

CTMC32E UNAUTHORIZED TO RELEASE CTOCTDP

**Explanation:** Command EXEC CICS RELEASE failed because the user is unauthorized to release the CTOCTDP program.

The Control-O CICS Interface is not shut down.

**Corrective Action:** Perform the necessary CICS customization so that the user is authorized to release the CTOCTDP program, or contact your CICS security administrator.
CTMC33E UNRECOGNIZED REQUEST

**Explanation:** A request was not recognized. The probable cause is a syntax error in a Control-O CICS Interface command issued by the user.

The command is not processed.

**Corrective Action:** Reissue the request correctly. For further information, see the instructions for installing the Control-O CICS Interface, in the Control-O chapter of the *INCONTROL for z/OS Installation Guide*.

CTMC35E ERROR IN ENABLING CTOCTDX FOR XTDOUT EXIT.
EIBRCODE(BYTES 1-2)=errCode

**Explanation:** Command EXEC CICS ENABLE failed with error code `errCode`.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Check the error code and correct the problem accordingly; then try to initialize the interface again. If necessary, contact BMC Customer Support.

CTMC36E ERROR IN DISABLING CTOCTDX FOR XTDOUT EXIT.
EIBRCODE(BYTES 1-2)=errCode

**Explanation:** Command EXEC CICS DISABLE failed with the error code `errCode`.

The Control-O CICS Interface is not shut down.

**Corrective Action:** Check the error code and correct the problem accordingly; then try to initialize the interface again. If necessary, contact BMC Customer Support.

CTMC38E INTERFACE NOT INITIALIZED. DBG REQUEST INVALID

**Explanation:** A DBG request was issued, but it was invalid since the Control-O CICS Interface was not initialized.

The request is not processed.

**Corrective Action:** No action is required.

CTMC39E action FAILED FOR COND cond

**Explanation:** An error occurred while processing a request to add/delete the condition.

The source of the request may be:

- Control-O request for a DO COND.
- CMEM ADDCOND/DELCOND action.

This message is preceded by another message, which gives more details of the cause of the error.

No additional action will be taken for the failed add/delete condition request.

**Corrective Action:** Correct the error as detailed in the preceding message. If addition/deletion of the condition is still required, it should be added or deleted manually. If the specification in the original request was incorrect, correct it and reload if necessary. Reload the CMEM table or reorder the Control-O rule.
CTMC39I  DBG REQUEST ACCEPTED

Explanation: Informative message issued in response to DBG request.
Corrective Action: No action is required.

CTMC41E  JOB TERMINATED BY {CMEM | CONTROL-O} DUE TO STOPJOB REQUEST for "disposition" ON:

Explanation: The job was stopped due to a STOPJOB request for a DSNEVENT event. This message is followed by message CTMC42E, which contains additional details about the event.

In this message, disposition is the dataset disposition that triggered the event. Valid values are:

- NOT CATLGD x - x is the number from the NOT CATALGD message
- DISP= x. Valid values for x are:
  - C - cataloged
  - D - deleted
  - R - retained
  - S - scratched
  - U - uncataloged
  - K - kept

The job is stopped after the current step. All subsequent steps (including steps having COND set to EVEN/ONLY) will not be executed.

Corrective Action: No action is required.

CTMC42E  STEP=stepName PROCSTEP=procStep DSNAME=dsn

Explanation: This message follows message CTMC41E when a job is stopped due to an NCT2 (NOT CATLGD 2) event. The NCT2 event occurred for the dsn data set in the stepName step in the procStep procedure step.

Corrective Action: No action is required.

CTMC43E  ERROR IN PROCESSING A CMEM EVENT - CODE=code. SOME EVENTS MIGHT BE LOST

Explanation: An internal error occurred when CMEM or Control-O tried to process a CMEM event. This message is followed by message CTMC44E with the event that caused the error.

The event is ignored.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMC44E  MESSAGE: text

Explanation: This message follows message CTMC43E and CTMC4AE when an internal error occurs during event processing.
Corrective Action: No action is required.

CTMC45W CMEM PROCESSING STOPPED AT STEP=stepName PROCSTEP=procStep DUE TO SUBSYSTEM DEACTIVATION

Explanation: CMEM subsystem functions or Control-O subsystem functions were stopped. Some or all events for the specified stepName procstep might not be processed because the subsystem was stopped.

Corrective Action: Activate the subsystem functions (CMEM or Control-O).

CTMC46I CMEM PROCESSING RESUMED AT STEP=stepName PROCSTEP=procStep

Explanation: This information message indicates that CMEM or Control-O subsystem functions were reactivated. This message appears when a CMEM subsystem function or Control-O was stopped and restarted during job execution. Message CTMC45W was issued for this job. Events that occurred between these two messages are ignored.

CMEM events for this job from stepName procstep are processed.

Corrective Action: No action is required.

CTMC47E CMEM PROCESSING STOPPED FOR THIS JOB DUE TO AN INTERNAL ABEND:

Explanation: An abend occurred during processing of CMEM events for this job. This message is followed by message CTMC48E with details about the abend.

CMEM event processing stops for this job and a dump is written to a system dump data set.

Corrective Action: Format and save the dump, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMC48E ABEND-CODE=abCode MODULE=modName LOAD-POINT=modAddr OFFSET=offset

Explanation: This message follows message CTMC47E when an internal abend occurs in CMEM event processing. It contains details about the abend: subsystem name, abending module name, abending load module load point and offset of the abending instruction in the module.

A system dump is produced. The title of the dump contains this message.

Corrective Action: No action is required.

CTMC49E CMEM PROCESSING STOPPED FOR THIS JOB DUE TO AN INTERNAL ERROR. ERROR CODE = code

Explanation: An internal error occurred when CMEM or Control-O tried to process a CMEM event. This message is followed by message CTMC44E, which specifies the event that caused the error.

CMEM event processing stops for this job.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.
CTMC4AW CONTROL-O 'ON SYSOUT' PROCESSING STOPPED FOR DD ddName DUE TO SUBSYSTEM DEACTIVATION

**Explanation:** Control-O SYSOUT processing for the SYSOUT allocated to the ddName DD statement was stopped.

Some or all events for this SYSOUT might not be processed because Control-O was stopped.

**Corrective Action:** Activate Control-O.

CTMC4BI CONTROL-O 'ON SYSOUT' PROCESSING RESUMED FOR DD ddName

**Explanation:** This information message indicates that SYSOUT processing for SYSOUT allocated to the ddName DD statement was reactivated. This message appears when Control-O was stopped and restarted during application SYSOUT processing. Message CTMC4AW was issued for this SYSOUT. Events that occurred between these two messages are ignored.

SYSOUT events for this SYSOUT are processed.

**Corrective Action:** No action is required.

CTMC4CE CONTROL-O 'ON SYSOUT' PROCESSING STOPPED FOR DD ddName DUE TO UNSUPPORTED FALLBACK

**Explanation:** Control-O fallback to a lower version was performed while processing a SYSOUT allocated to the ddName DD statement. Fallback is not allowed in the following cases:

- Fallback to a Control-O version earlier than 6.0.15 or 6.1.15.
- Fallback to Control-O version 6.0. xx or 6.1. xx for SYSOUT processed in key other than 8.

Control-O processing stops for the SYSOUT allocated to the ddName DD statement.

**Corrective Action:** Restart the job to resume SYSOUT processing.

CTMC4DE CMEM PROCESSING STOPPED FOR THIS JOB DUE TO UNSUPPORTED FALLBACK

**Explanation:** Control-O or CMEM fallback to an earlier version was performed while processing DSNEVENT or STEP events. Fallback is not allowed to Control-O or CMEM versions earlier than 6.0.15 or 6.1.15.

Control-O or CMEM processing stops for the job.

**Corrective Action:** Restart the job to resume DSNEVENT and STEP events processing.

CTMC50E INSUFFICIENT STORAGE FOR CMEM PROCESSING

**Explanation:** *Highlighted, unrollable message.*

Insufficient storage for CMEM processing initialization in the Control-M monitor.

The Control-M monitor stops processing CMEM/Control-O requests.

**Corrective Action:** Increase the REGION size specified for the Control-M monitor.
CTMC50W CONTROL-M MONITOR CMEM FACILITY IS NOT INSTALLED

Explanation: Control-M has determined that the CMEM facility is not installed.
Communication between CMEM or the Control-O monitor and Control-M is not established, but the Control-M monitor continues processing.
Corrective Action: No action is required.

CTMC51E INSUFFICIENT STORAGE FOR TABLE tableName FROM lib

Explanation: Insufficient storage for loading table tableName into storage.
This message is followed by the WKJA59E message, which contains more details about the error. Job order fails. No additional action taken.
Corrective Action: Increase the REGION size specified for the Control-M monitor; or define a smaller table if possible (for example, if only one job is ordered from the table). For further actions, see the WKJA59E message.

CTMC52E DATASET IS NOT A LIBRARY, DSN=dsn

Explanation: While processing a CMEM or Control-O request, the Control-M monitor encountered a data set dsn which is not a partitioned data set.
This message is followed by the WKJA59E or WKJC39E message, which identifies the failed action.
No additional action will be taken for the failed job or table order.
Corrective Action: Specify the name of a partitioned data set containing one or more valid scheduling tables.

CTMC53E DATASET IN USE, DSN=dsn

Explanation: While processing a CMEM or Control-O request, the Control-M monitor encountered a data set dsn which is currently used by another job.
This message is followed by message WKJA59E which identifies the failed action.
No additional action will be taken for the failed job/table order.
Corrective Action: Determine which job has allocated the data set with disposition OLD and resolve the conflict.

CTMC54E DATASET IS NOT CATALOGED, DSN=dsn

Explanation: While processing a Control-M DO FORCEJOB, CMEM or Control-O request, the Control-M monitor encountered a data set dsn which is not cataloged.
This message is followed by additional messages which identify the failed action.
No additional action will be taken for the failed job or table order.
Corrective Action: Make sure that the SCHLIB library specified in the CMEM table entry refers to a cataloged data set.
CTMC55E DYNAMIC ALLOCATION ERROR, DSN=dsn

Explanation: While processing a CMEM or Control-O request, the Control-M monitor encountered a dynamic allocation error.

This message is followed by message WKJA59E which identifies the failed action.

No additional action will be taken for the failed job/table order.

Corrective Action: Record the problem, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMC56E M2S FILE IS FOR QNAME qName. IT DOES NOT MATCH IOA QNAME qName DSN=dsn

Explanation: Control-M could not allocate the monitor to the Monitor-to-Subsystem (M2S) file of another IOA environment.

During initialization the Control-M monitor compares the QNAME in the IOA environment with the QNAME in the M2S file. They should match.

Message CTM441E is issued.

Corrective Action: Check the IOACPRM member and do one of the following:

- If it points to the wrong file, correct the name and start a new monitor.
- If there is no problem in the IOACPRM member, the M2S file was created in a different IOA environment. Delete the file and create a new M2S file using the correct IOA environment.

CTMC56S PREVIOUS FORMAT OF ACTIVE JOBS FILE ABENDED

Explanation: The source Active Jobs file is either currently being formatted, or an abend occurred during the previous formatting.

The Active Jobs file is formatted daily as part of the New Day process. It may also be formatted by the CTMCAJF utility.

Copy program terminates with a condition code of 08.

Corrective Action: If the Active Jobs file is currently being formatted, wait until the formatting is completed. If the previous formatting abended, determine the reason. Resubmit the copy job only after successful formatting.

CTMC57E S2M FILE IS FOR SMFID smfid QNAME qName. IT DOES NOT MATCH IOA QNAME qName DSN=dsn

Explanation: The Control-M monitor could not allocate the subsystem to the Subsystem-to-Monitor (S2M) file of another IOA environment.

During initialization the Control-M monitor compares the qname in the IOA environment with the qname in the S2M file. They should match.

Message CTM441E is issued.

Corrective Action: Check the IOACPRM member and do one of the following:
If it points to the wrong file, correct the name and start a new monitor.

If there is no problem in the IOACPRM member, the S2M file was created in a different IOA environment. Delete the file and create a new S2M file using the correct IOA environment.

**CTMC57S TARGET ACTIVE JOBS FILE IS NOT A NEWLY FORMATTED FILE**

*Explanation:* The target Active Jobs file should not be used before it is formatted by the FORMCKP procedure.

Copy program terminates with a condition code of 08.

**Corrective Action:** Format the Active Jobs file using the FORMCKP procedure.

**CTMC58I M2S FILE FOR IOA QNAME qName. DSN=dsn**

*Explanation:* This information message identifies the Monitor-to-Subsystem (M2S) file that the Control-M monitor allocated for communication with the Control-O or the CMEM monitor.

qName is defined in the M2S file with the data set name dsn.

**Corrective Action:** No action is required.

**CTMC58S TARGET ACTIVE JOBS FILE IS NOT LARGE ENOUGH**

*Explanation:* Target Active Jobs file is not large enough to contain the source Active Jobs file.

Copy program terminates with a condition code of 08.

**Corrective Action:** Reallocate and reformat the new Active Jobs file.

**CTMC59I num JOBS WERE DELETED FROM THE ACTIVE JOBS FILE**

*Explanation:* This is one of two messages with the same ID, but different text.

This information message displays the number of jobs deleted from the Active Jobs file during a run of the CLEANUP function of the CTMCAJF utility. The CLEANUP function of the CTMCAJF utility deletes jobs from the Active Jobs file according to the same criteria as the New Day procedure.

**Corrective Action:** No action is required.

**CTMC59I S2M FILE FOR SMFID smfid QNAME qName DSN=dsn**

*Explanation:* This is one of two messages with the same ID, but different text.

This information message identifies the Subsystem-to-Monitor (S2M) file that the Control-M monitor allocated for communication with the Control-O or the CMEM monitor.

qName is defined in the S2M file with the dsn DSN.

**Corrective Action:** No action is required.

**CTMC5AE SMFID smfid NOT FOUND IN M2S DSN=dsn**

*Explanation:* The SMFID is not in the Monitor-to-Subsystem (M2S) file.

During initialization the Control-M monitor checks that every SMFID required for CMEM functions is defined in the M2S file.
Control-O issues the CTM441E message and CMEM functions become inactive.

**Corrective Action:** Add the missing SMFID to the M2S file, and restart the Control-M monitor.

For more information on adding the SMFID to the M2S file, see the section on reformatting communication files for only one SMFID in the INCONTROL for z/OS Installation Guide.

**CTMC68E VALUE OF CNDREC# PARAMETER IN IOAPARM IS NOT EQUAL TO ACTUAL FILE SIZE**

**Explanation:** The CNDREC# parameter in the IOAPARM member has been changed, but the IOA Conditions file has not been rebuilt. A difference between the length of the IOA Conditions file and the CNDREC# value specified in the IOAPARM member of the PARM library was detected.

This is usually caused by using the IOAPARM member for the wrong monitor.

The Control-M monitor shuts down.

**Corrective Action:** Correct the problem and restart the monitor.

**CTMC69E UPDATE OF QUANTITATIVE RESOURCE resourceName FAILED**

**Explanation:** The action specified in a Control-O DO RESOURCE statement failed, because it would have produced either a negative quantity or a quantity greater than the maximum of 9999. Therefore it was rejected.

The system ignores the illegal statement and continues processing.

**Corrective Action:** Check and correct, if necessary, the definition of the quantitative resource to be updated and/or the rule defining how to update it.

**CTMC69S EXECUTION STOPS DUE TO CONTROL-M MONITOR NOT RUNNING**

**Explanation:** The CLEANUP function of the CTMCAJF utility stops because the Control-M monitor is not running. The CLEANUP function of the CTMCAJF utility should run only when the Control-M monitor is running.

The CTMCAJF utility terminates.

**Corrective Action:** BMC recommends the following:

- If Control-M is down, run the CTMCAJF utility with the COMPRESS function.
- If Control-M is up, run the CTMCAJF utility with the CLEANUP function.

**CTMC70E PLEASE FILL IN STEPRANGE NAME**

**Explanation:** When you define a STEP RANGE by specifying either FROMSTEP or TOSTEP, the STEP RANGE must have a name.

**Corrective Action:** Fill in the STEP RANGE field.

**CTMC70I PROBABLE LOGMODE DEFINITIONS ERROR**

**Explanation:** This information message indicates that an IOA Gateway attempted to establish a connection with another IOA Gateway. However, the LOGMODE definitions of the partners do not match.
When IOA Gateways try to establish a connection with each other, both send LOGMODE during the bind process. If the LOGMODEs do not match, the connections fail. Message COMG98W, COMG90E or COMG95E precedes this message and explains the error.

The connection between the IOA Gateways fails.

**Corrective Action:** Check the LOGMODE definitions for each partner in your SYS1.VTAMLIB. Make sure that they are defined according to the recommendations in the IOA installation chapter of the INCONTROL for z/OS Installation Guide.

**CTMC70S ACTI<ckejobs file (CKP) SIZE - PARM TABLE MISMATCH**

**Explanation:** The value for the CKPSIZE parameter being used by the CTMCAJF utility is different from the CKPSIZE value used to format the Active Jobs file. The parameter is defined in the CTMPARM member in the IOA PARM library. The values used must be identical.

The CTMCAJF utility terminates. The requested action is not performed.

**Corrective Action:** Ask the INCONTROL administrator to determine the cause of the discrepancy in the CKPSIZE value and correct the error.

**CTMC71E PLEASE FILL IN FROMSTEP OR TOSTEP**

**Explanation:** You must fill in either FROMSTEP or TOSTEP or both. To create a STEP RANGE, you must specify either FROMSTEP or TOSTEP or both. STEP RANGE without additional parameters has no meaning.

**Corrective Action:** Add FROMSTEP or TOSTEP or both.

**CTMC71I PROBABLE ALLOCATION FAILURE - NO RETRY**

**Explanation:** This information message indicates that when an IOA Gateway attempted to establish a connection with another IOA Gateway, a local IOA gateway made a VTAM LU6.2 allocation request. However, the request failed.

A local IOA Gateway attempted to allocate a session with a partner gateway. The attempt failed. Message COMG98W, COMG90E or COMG95E precedes this message and explains the failure.

**Corrective Action:** Check that the partner gateway LU is active in VTAM, and that it is defined as explained in IOAGATE installation in the INCONTROL for z/OS Installation Guide.

**CTMC72E THIS STEPRANGE IS NOT DEFINED FOR THIS JOB**

**Explanation:** There is a reference to a STEP RANGE that is not defined. ONPGMSTEP refers to a STEPRANGE (*XXXXXXX) that is not defined for this job.

**Corrective Action:** Specify a STEP RANGE that is defined for this job.

**CTMC72I PROBABLE ALLOCATION FAILURE - RETRY**

**Explanation:** This information message indicates that a local IOA Gateway attempted to allocate a partner gateway session. The attempt failed.

The failed request was a VTAM LU6.2 allocation request. Messages COMG98W, COMG90E or COMG95E precede this message and explain the failure.

Connection will be reattempted in 1 minute.
INCONTROL for z/OS Messages Manual

Corrective Action: Make sure that Logical Unit (LU) of the partner gateway is active in VTAM and that it is defined as explained in the IOA installation chapter in the INCONTROL for z/OS Installation Guide.

CTMC73E OPERANDS ","","<", "N" ARE INVALID FOR THIS TYPE OF CODE

Explanation: You cannot specify this operand for this type of code. Some of these operands are not allowed for various types of codes. For example, >Sxxx, <Sxxx are not allowed.

Corrective Action: Use only the valid operands for this type of code.

CTMC73I PROBABLE MISMATCH IN VTAM DEFINITIONS

Explanation: This information message indicates that an IOA Gateway attempted to establish a connection with another IOA Gateway. However, IOA Gateway detected a mismatch in the IOA Gateway LU definitions. The VTAM LU was defined incorrectly.

Messages COMG98W, COMG90E and COMG95E precede this message, and explain the error.

The connection to the partner LU fails, and the IOA Gateway terminates.

Corrective Action: Define the IOA Gateway VTAM LU as explained in the IOA installation chapter of the INCONTROL for z/OS Installation Guide.

CTMC74E CONFLICT BETWEEN "OK", "NOTOK" AND "EXERR" CODES

Explanation: The combination of status codes is not valid. Some combinations are not acceptable. For example, EXERR and NOTOK, because the NOTOK code already covers the EXERR code.

Corrective Action: Check and correct the specification in the CODES field.

CTMC76E SEARCH COUNTER SHOULD BE 00000-32767 OR 99999

Explanation: Invalid SEARCH COUNTER value. The SEARCH COUNTER counts the number of times Control-M looks for a job. When this value equals the maximum number of searches allowed defined by the INCONTROL administrator, the job status changes to DISAPPEARED. You can change the value of the counter manually.

Valid search values:

- 00000 through 32767
- 99999 - This value causes a DISAPPEARED status, and stops further searches.

Corrective Action: Correct the SEARCH COUNTER parameter.

CTMC77E "NCT2-PREVENT" IS NOT SUPPORTED FOR A STARTED TASK

Explanation: PREVENT-NCT2 was requested for a started task (STC). PREVENT-NCT2 handling may not be requested for a started task (STC).

Corrective Action: Change the value of PREVENT-NCT2 to N or leave the value blank, or change the task type.

CTMC78I JOB DOCUMENTATION NOT FOUND

Explanation: This information message indicates that a user entered command DOC in the Zoom screen but the job has no documentation.
Corrective Action: No action is required.

CTMC79E INSUFFICIENT STORAGE TO SAVE DOCUMENTATION
Explanation: Insufficient storage to save the documentation lines into the library or member specified in the DOCLIB or DOCMEM fields of the Job Scheduling Definition screen.
Corrective Action: The user can either delete the additional documentation lines and save the Job Scheduling Definition, or cancel the Job Scheduling Definition changes. The user should then log on again using a larger SIZE parameter (under TSO).

CTMC80E INTERNAL ERROR - INVALID INPUT PARAMETERS FOR CTMDOC
Explanation: The Online facility called routine CTMDOC with an invalid parameter list when the DOC command was entered in either the Job Scheduling Definition screen or the Zoom screen.
Corrective Action: Notify the INCONTROL administrator.

CTMC81E INTERNAL ERROR - INVALID FUNCTION FOR CTMDOC
Explanation: The Online facility called routine CTMDOC with an invalid function when the DOC command was entered in the Job Scheduling Definition screen or in the Zoom screen.
Corrective Action: Notify the local INCONTROL administrator.

CTMC82E INTERNAL ERROR - INVALID RETURN CODE FROM CTMDOC
Explanation: The Online facility received an invalid return code from routine CTMDOC.
Corrective Action: Notify the INCONTROL administrator.

CTMC83E CHARACTERS "^*" AND "?" ARE NOT ALLOWED FOR DOC MEMBER NAME
Explanation: User entered the * character, or the ? character in the DOCMEM field in the Job Scheduling Definition screen (or in the Zoom screen). These are invalid characters for this field.
Corrective Action: Enter a valid value in the DOCMEM field.

CTMC84E ONLY 8 PERIODIC REQUESTS ARE ALLOWED
Explanation: More than eight requests for a periodic calendar were specified in the DAYS field in the Job Scheduling Definition screen. Only eight requests for a periodic calendar may be kept in a job scheduling definition.
Corrective Action: Decrease the number of periodic calendar requests.

CTMC85E INVALID BOOLEAN EXPRESSION: UNPAIRED PARENTHESES
Explanation: The Boolean expression that is specified in the IN field in the Job Scheduling Definition screen or in the Job Zoom screen contains unpaired parentheses.
Corrective Action: Correct the Boolean expression in the IN field.
CTMC86E INVALID BOOLEAN EXPRESSION: EMBEDDED PARENTHESES

**Explanation:** The Boolean expression that is specified in the IN field in the Job Scheduling Definition screen or in the Job Zoom screen contains parentheses within a condition name. IN conditions may be specified as a Boolean expression with parentheses. Use the parentheses only before or after the condition name.

**Corrective Action:** Correct the Boolean expression in the IN field.

CTMC87E DUPLICATE PIPE NAME IS NOT ALLOWED

**Explanation:** The job scheduling definition contains duplicate entries with the same pipe name. The names of the pipes in a job must be unique.

The scheduling definition cannot be saved and the job cannot be ordered.

**Corrective Action:** Change one or more pipe names so that all pipes in the job have a unique name.

CTMC88E NESTING IS NOT ALLOWED FOR BOOLEAN EXPRESSION

**Explanation:** The Boolean expression that is specified in the IN field in the Job Scheduling Definition screen or in the Job Zoom screen contains two or more open or close parentheses in succession. Control-M Online facility does not support nesting for a Boolean expression in the IN field.

**Corrective Action:** Correct the Boolean expression in the IN field.

CTMC89E NOT MORE THAN 20 CONDITIONS CAN BE CONTAINED IN BOOLEAN EXPRESSION

**Explanation:** A Boolean expression in the Job Scheduling Definition screen or Job Zoom screen contains more than 20 conditions.

The job scheduling definition cannot be saved.

**Corrective Action:** Modify the Boolean expression so that it contains not more than 20 conditions.

CTMC8AE REQUESTED RBC DOES NOT EXIST IN THE SMART TABLE DEFINITION OR THE MAXIMUM NUMBER (5000) HAS BEEN EXCEEDED

**Explanation:** This message is displayed in the following cases:

- A rule-based calendar was specified in the job scheduling definition, but it was not defined in the SMART Table Entity definition. A rule-based calendar for a group of jobs must be defined in the SMART Table Entity definition.
- A user attempted to define more than 5,000 rule-based calendar definitions in the definition of a SMART Table Entity

**Corrective Action:** Do one of the following, as appropriate:
Either replace the rule-based calendar with one defined in the SMART Table Entity definition, or define the requested rule-based calendar in the SMART Table Entity definition. To display a list of the defined rule-based calendars, exit the job scheduling definition, and enter the SMART Table Entity definition.

Delete rule-based calendar definitions from the SMART Table Entity definition until the number is less than 5,000.

CTMC8BE "DAYS" AND "GENERATIONS" ARE MUTUALLY EXCLUSIVE

Explanation: There are retention values for both # OF DAYS TO KEEP and # OF GENERATIONS TO KEEP, but these fields are mutually exclusive.

The request is ignored.

Corrective Action: Delete one of the specified values.

CTMC8CE MAXIMUM 255 PIPES IN COLLECTION IS ALLOWED

Explanation: The job has more than 255 pipe definitions in the scheduling table. This message may be issued when editing a job definition with more than 255 pipe definitions. The maximum number of pipes per collection is 255.

The scheduling definition is not saved, and the job is not ordered.

Corrective Action: Reduce the number of pipe entries in the job scheduling definition.

CTMC8EE VALUE 'Y' VALID ONLY WHEN JOB STATUS 'WAIT SCHEDULE'

Explanation: An attempt was made to change the value of the data in a job's WAIT CONFIRMATION field, via screen 3.Z, when the job was not in WAIT SCHEDULE state.

Corrective Action: No action is required.

CTMC8FE A SLASH ('/') IS AN NOT ALLOWED

Explanation: In order to be compatible with the nested containers feature in Control-M/Enterprise Manager, a slash (/) is not allowed in this field.

Corrective Action: Correct the field contents.

CTMC90E INVALID POSITION OF THE BOOLEAN OPERATOR "I"

Explanation: The Boolean expression specified in the IN field in the Job Scheduling Definition screen or in the Job Zoom screen contains the operator I in an invalid position. The Boolean operator I may be specified only in the first position of the condition name, or immediately after the open parentheses.

Corrective Action: Correct the Boolean expression in the IN field.

CTMC91E INVALID VALUE. USE "O"(OR) "A"(AND), OR BLANK

Explanation: An invalid value is specified in the A/O field of the ON PGMST line in the Job Scheduling Definition screen or in the Job Zoom screen. Valid values for the A/O field are O, A, or blank.

Corrective Action: Specify a valid value in the A/O field.
CTMC92E INVALID VALUE. USE "<", ",", ",", "+", ",@" OR BLANK

**Explanation:** An invalid character was specified in the SHIFT field of the job scheduling definition.

**Corrective Action:** Specify a valid value.

CTMC93E UNNECESSARY DATA - FIELD MUST BE CLEARED

**Explanation:** A field that should be left empty in the current context has a value.

**Corrective Action:** Clear the field.

CTMC94E INVALID VALUE ENTERED. ENTER ONLY text

**Explanation:** Invalid data was specified.

**Corrective Action:** Change the entry in the field with the help of the text displayed in the message, or with the assistance of the HELP command.

CTMC95I JOB NOT HELD - CHANGES WILL NOT BE SAVED

**Explanation:** A user entered the Zoom screen (3.Z) of a job from the Control-M Active Environment screen, but the status of the job was not HELD. In such a case, any changes made in the Zoom screen cannot be saved on exit.

Changes made to the current job in the Zoom screen are ignored.

**Corrective Action:** To change the job, do the following:

1. Exit from the Zoom screen.
2. Change the status of the job to HELD.
3. Redisplay the job in the Zoom screen.
4. Make the required changes.

CTMC97E DOC MEMBER IS USED BY ANOTHER USER

**Explanation:** The DOC command was entered to access the job documentation member in the Job Scheduling Definition screen. However the member is in use by another user either by the Control-M Online facility or the ISPF Editor.

**Corrective Action:** Attempt the DOC command later.

CTMC98E VALUES "GENERAL" AND "USER=" ARE INVALID

**Explanation:** GENERAL or USER was specified in the OVERLIB field in the Job Scheduling Definition screen or in the Job Zoom screen. GENERAL and USER are not permitted in the OVERLIB field.

**Corrective Action:** Specify a valid value in the OVERLIB field.
CTMC99E PLEASE FILL IN THE REQUIRED FIELD text

Explanation: Missing APPLICATION or GROUP name in the Job Scheduling Definition screen or in the Job Zoom screen. The APPLICATION and GROUP fields may be designated as mandatory in the IOA profile. By default they are optional. See the chapter that discusses online facilities in the Control-M for z/OS User Guide for a description of these fields.

Corrective Action: Fill in the requested field with the help of the text in the message, or correct the appropriate variable in the IOA profile.

CTMC9AE VALID OPTIONS ARE "OK" OR "NOTOK" ONLY

Explanation: A value other than OK or NOTOK is specified in a field than can only take either one of these values.

Corrective Action: Specify either OK or NOTOK.

CTMC9BE INVALID ACTION FOR SMART TABLE ENTRY

Explanation: The user entered an action that is invalid for SMART tables.

Corrective Action: Enter an action that is valid for SMART tables.

CTMC9CE "OK" AND "NOTOK" ARE MUTUALLY EXCLUSIVE DO ACTIONS

Explanation: Both OK and NOTOK were entered as a DO action for a SMART table. OK and NOTOK are mutually exclusive DO actions.

Corrective Action: Delete either OK or NOTOK.

CTMC9DE PLEASE FILL IN "DO" ACTION

Explanation: No DO action after an ON PGMSTEP/ON GROUP-END line.

Corrective Action: Fill in at least one DO action.

CTMC9EW ENTRY IN USE BY ANOTHER USER. "BROWSE" FORCED

Explanation: There was an attempt to zoom a job that is currently being zoomed by another user. The Zoom screen is displayed in the forced browse mode.

Corrective Action: If the job data must be updated, continue trying to zoom the job in Edit mode, until it is released by the other user.

CTMC9FE "SAVE" IS NOT VALID IN "BROWSE" MODE

Explanation: The SAVE was entered in the Zoom screen in the browse mode. The job is not saved.

Corrective Action: Exit the screen without trying to save the changes.
Messages CTMD00 through CTMDxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMD001 BROWSE MODE IS FORCED FOR DOC LINES

**Explanation:** This information message indicates that the requested job documentation is displayed in browse mode. Display of job documentation was requested using the DOC command. Normally, when requested, documentation can be edited. However documentation displayed in Browse mode cannot be updated. The documentation is in Browse mode for one of the following reasons:

- The data set that contains the job documentation is not an MVS library (PDS).
- One of the documentation lines has non-blank characters after column 71, and has therefore been truncated.
- One of the documentation lines contains an unprintable character.

Documentation lines are displayed in browse mode.

**Corrective Action:** No action is required.

CTMD01E Cannot find host host in dsHosts table

**Explanation:** The host host name, referred to by in the –host input parameter, is not defined in the DSHOSTS member, located in the Control-M PARM library.

**Corrective Action:** Check that that the value of –host parameter is correct, or add a definition of the host host name to DSHOSTS member.

CTMD02E User mf user id does not have permission to work with host host as user DS user id

**Explanation:** The User mf user id does not have permission to work with host host as user DS user id.

**Corrective Action:** Ensure that the User mf user id has permission to work with host host as user DS user id.

CTMD03E Cannot get ip of host. Host name = host. Error code = code

**Explanation:** The error occurs when the utility tries to get the IP address of the host host. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

**Corrective Action:** Perform the appropriate action, based on the error code and the error message.

CTMD04E Parameter param is not defined.

**Explanation:** Parameter param is mandatory, but not defined in the input stream of the utility.

**Corrective Action:** Add the param parameter to the input and rerun the utility.
CTMD05E  request  request ended with error. Error code = code Error message

Explanation: Request request ended with an error. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Refer to the Control-M Workload Automation documentation for details.

Corrective Action: Add the param parameter to the input and rerun the utility.

CTMD06E Error creating file 'file name' on the remote host. Error code = code Error message

Explanation: The utility cannot create the file name file on the remote host. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Refer to the Control-M Workload Automation documentation for details.

CTMD07E Error opening file 'file name'. Error code = code Error message

Explanation: The utility cannot open the file name file. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Perform the appropriate action, based on the error code and the error message.

CTMD08E build_upload: Size of data to upload is too large - number of bytes

Explanation: Internal error.

Corrective Action: Perform the following:
1. Update the EXEC statement in the problematic job as follows: EXEC PGM=CTMDSRN,PARM='7'
2. Rerun the utility.
3. Call BMC Software Customer Support and send the full output of the job to support.

CTMD09E Error creating socket. Error code = code Error message

Explanation: The error occurred when the utility tried to create a socket. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Perform the appropriate action, based on the error code and the error message.

CTMD10E Cannot connect to remote host. Error code = code Error message

Explanation: The error occurred when the utility tried to connect to a remote host. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.
Corrective Action: Perform the appropriate action, based on the error code and the error message.

CTMD11E Data transmission failure. Error code = code Error message

Explanation: The error occurred when the utility tried to send data to a remote host. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Perform the appropriate action, based on the error code and the error message.

CTMD12E Request to upload file 'file name' ended with error. Error code = code Error message

Explanation: The error occurred when the utility tried to upload the file name file to a remote host. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Refer to the Control-M Workload Automation documentation for details. Perform the appropriate action, based on the error code and the error message.

CTMD13E Error deleting file 'file name' on the remote host. Error code = code Error message

Explanation: The error occurred when the utility tried to delete the file name file on a remote host. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Refer to the Control-M Workload Automation documentation for details. Perform the appropriate action, based on the error code and the error message.

CTMD14E Reception failure. Error code = code Error message

Explanation: The error occurred while the utility was receiving data from a remote host. The error message and the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.

Corrective Action: Perform the appropriate action, based on the error code and the error message.

CTMD15E Parameter param is too long - length. Max length is max_length

Explanation: The value of the param input parameter is too long. The maximum length of this parameter is max_length bytes.

Corrective Action: Correct the value of this input parameter.

CTMD16E Invalid param parameter

Explanation: The value of the param input parameter is incorrect.

Corrective Action: Correct the value of this input parameter.

CTMD17E Unsupported agent version - ver. num

Explanation: The utility cannot work with a Control-M Agent of version ver. num
Corrective Action: Check the value of the –host input parameter. If the host name is correct, contact
the Control-M administrator to install the correct version of Control-M agent.

CTMD18E Error during load module CTMX006. Error code = code Error
message
Explanation: The error occurred while the utility was trying to load user exit CTMX006. Usually this error
occurs when the load module CTMX006 does not exist in the STEPLIB libraries. The error message and
the error code are described in the following IBM documents: XL C/C++ Run-Time Messages, z/OS
Language Environment Run-Time Messages, and XL C/C++ Run-Time Library Reference.
Corrective Action: Perform the appropriate action, based on the error code and the error message.

CTMD19E Invalid param parameter. Value = value
Explanation: The value of the param input parameter is incorrect.
Corrective Action: Correct the value of this input parameter.

CTMD21E ENHANCED SHIFT EXCEEDS MAXIMUM NUMBER OF WORKDAYS
Explanation: An invalid value was specified for the SHIFT parameter. The enhanced SHIFT algorithm
allows the scheduling date to be shifted forward or backward a maximum of 62 working days.
The scheduling definition is not saved.
Corrective Action: Specify a valid value for the SHIFT parameter. For more information, see the
CONFCAL parameter in the chapter that describes job production parameters of the Control-M for z/OS
User Guide.

CTMD22E INVALID VALUE. "-" , "+" OR BLANKS EXPECTED
Explanation: An incorrect value was specified for the second character of the SHIFT subparameter. The
SHIFT subparameter has two fields. The first is a 1-character field that designates the shift direction (< or
>). The second is an optional 3-character field that contains a + or - followed by a two digit integer. This
field designates how much to move the scheduling date forward (if plus) or backward (if minus).
The scheduling definition is not saved.
Corrective Action: Specify a valid value for the SHIFT parameter. For more information, see the
CONFCAL parameter in the chapter that describes job production parameters of the Control-M for z/OS
User Guide.

CTMD23E INVALID VALUE
Explanation: An invalid value was specified in the last three characters of the SHIFT subparameter. The
format of the last three characters of the SHIFT subparameter must be +nn or -nn, where nn is an
integer between 01 and 62.
The scheduling definition is not saved.
Corrective Action: Specify a valid value for the SHIFT subparameter. For more information, see the
CONFCAL parameter in the chapter that describes job production parameters of the Control-M for z/OS
User Guide.
CTMD24E SHIFT VALUE CAN BE BETWEEN 1 AND 62

**Explanation:** An invalid value was specified in the last two characters of the SHIFT subparameter. The last two characters of the SHIFT subparameter must be an integer between 01 and 62.

The scheduling definition is not saved.

**Corrective Action:** Specify a valid value for the SHIFT subparameter. For more information, see the CONFCAL parameter in the chapter that describes job production parameters of the *Control-M for z/OS User Guide*.

CTMD25E ENTRY IN USE BY ANOTHER USER

**Explanation:** This information message is displayed if a user performs a HOLD of a job on the Active Environment screen (Screen 3) or the Active Environment Zoom screen (Screen 3.Z), and a second user then attempts to delete or free that job.

**Corrective Action:** No action is required.

CTMD30E IOASINIT CANNOT BE USED TO START CMEM ANYMORE. CMEM SHOULD BE STARTED USING CTMCMEM

**Explanation:** There was an attempt to start CMEM using the IOASINIT procedure. CMEM is now started using the CTMCMEM procedure.

IOASINIT terminates. CMEM initialization fails.

**Corrective Action:** Start CMEM using the `S CTMCMEM` command.

CTMD31E IOA SUBSYSTEM *subsys* IS ACTIVE FOR ENVIRONMENT (IOA QNAME)

**Explanation:** The *subsys* subsystem is already active for another IOA environment. The same subsystem name cannot be used for two IOA environments in parallel.

IOA subsystem initialization fails for the *subsys* subsystem.

**Corrective Action:** Either choose another subsystem name for the current environments of the IOA products, or deactivate the IOA online monitor and all the subsystem components of the old IOA environment and restart the subsystem.

CTMD32E LOAD OF SUBSYSTEM EXECUTOR *name* FAILED

**Explanation:** Subsystem initialization process failed while trying to load the subsystem executor program specified in the message.

IOA subsystem initialization fails.

**Corrective Action:** Verify the module name exists in the STEPLIB library.

CTMD33E *funcName* IS ACTIVE. BRING IT DOWN BEFORE RUNNING THIS PROCEDURE AGAIN

**Explanation:** An attempt was made to start CMEM when Control-O was up, or vice versa. CMEM and Control-O procedures cannot work concurrently. If one already started, the other must be down.
Note:
Control-O performs all the functions of CMEM.
The requested CMEM or Control-O initialization fails.

**Corrective Action:** If you want to run the initialization procedure, first stop the Control-O or CMEM monitor identified in the message text.

**CTMD34E NOT ENOUGH STORAGE IN (EXTENDED) CSA. CANNOT LOAD TABLES FOR IOA SUBSYSTEM subsys**

**Explanation:** Insufficient storage in ECSA or CSA for the subsystem tables and modules.
Subsystem initialization fails.

**Corrective Action:** If the storage defined for ECSA or CSA is not large enough, increase the size of ECSA or CSA.

**CTMD35E INVALID SUBSYSTEM NAME IN "DISCONNECT SUBSYSTEM" REQUEST**

**Explanation:** Length of the subsystem name specified for the disconnect subsystem request is incorrect. It is either less than, or greater than four characters.
The disconnect subsystem function is not performed.

**Corrective Action:** Restart the disconnect subsystem function using a valid, four-character subsystem name.

**CTMD36I SUBSYSTEM subsys DISCONNECT STARTED**

**Explanation:** This information message indicates that subsys subsystem is being disconnected.

**Corrective Action:** No action is required.

**CTMD37I SUBSYSTEM subsys DISCONNECT COMPLETED SUCCESSFULLY**

**Explanation:** This information message indicates that subsys subsystem is inactive and no longer used by Control-O.

**Corrective Action:** No action is required.

**CTMD38E IOA ONLINE MONITOR IS ACTIVE WITH SSNAME "subsys" FOR ANOTHER ENVIRONMENT (IOA QNAME)**

**Explanation:** The subsys subsystem is already active for the IOA Online monitor of another IOA environment. The same subsystem cannot be specified for two IOA environments in parallel.
IOA subsystem initialization fails for the subsys subsystem.

**Corrective Action:** Either choose another subsystem name for the current environment of the IOA products, or deactivate the IOA online monitor and all the subsystem components of the old IOA environment and restart the subsystem.
CTMD3AE ERROR IN INITIALIZATION CONTROL-D SUBSYSTEM "xxxx"

Explanation: Initialization of the CDAM subsystem failed. Additional system messages are issued before this message.
The job or STC terminated with a return code other than zero.
Corrective Action: Correct the error and try again.

CTMD41E MISSING OBLIGATORY KEYWORD keyName IN ORDER REQUEST

Explanation: The keyName keyword was not given in the order request. Some keywords are obligatory in each order request. Failing to specify one produces this message.
The CTMJOB program ends with errors.
Corrective Action: Supply the missing keyword.

CTMD45E AT LEAST ONE VALID COND MUST BE SPECIFIED IN THE ISCPARM MEMBER

Explanation: No conditions to be passed to the other CPU were specified in the ISCPARM member allocated to one of the Control-M monitors. The DAISCPRM DD name should point to a library containing the ISCPARM member. This member should contain at least one COND parameter, set to cond, where cond is a condition name up to 20 characters. Masking characters * and ? are allowed. Only these conditions are passed to the other CPU.

CTMISR routine returns a return code of 24 to the calling IOA Exit 7. No conditions are passed to the other CPU.
Corrective Action: Add at least one COND=cond statement in the ISCPARM member and then shut down and restart the monitor. COND=* is valid for passing all the conditions.

CTMD46S CTMBLT ENDED WITH ERRORS

Explanation: The CTMBLT utility ended due to errors. CTMBLT creates Control-M scheduling tables. If CTMBLT ended with errors, messages in the Error Messages file DAPRINT DD statement explain the reasons. The Error Table Definitions file DATABERR DD statement contains the input definition statements that have the errors.
The utility ends with a non-zero return code.
Corrective Action: Correct all problems, and rerun the job.

CTMD48I CTMBLT ENDED OK

Explanation: This information message indicates that the CTMBLT utility ended normally. The CTMBLT utility creates Control-M scheduling tables.
Corrective Action: No action is required.
CTMD50S READING JOB DATA BY subsystem_request FAILED nnnn TIMES. LAST RC rc fileName jobName/jobId

Explanation: This message is issued after the number of unsuccessful attempts to read job data by subsystem request reaches the defined maximum. After searching for the job data the maximum number of times, Control-M changes the job status to DISAPPEARED and stops searching.

The job status changes to DISAPPEARED.

Corrective Action: For the appropriate action, refer to the section on the Control-M monitor and JES in the INCONTROL for z/OS Administrator Guide.

CTMD51S NO MORE SPACE FOR SYSOUT ARCHIVING (SB37)

Explanation: No space is available on the designated volumes to archive SYSDATA syssouts.

Archiving of SYSDATA is not completed due to lack of the space on the volumes designated for allocation of the Archived Sysout data sets.

Control-M issues additional messages describing the nature of the problem and terminates.

Corrective Action: Please do the following before attempting to restart the Control-M monitor:

1. Make sure that there is sufficient free space on the volumes defined by the AMVOL parameter of the CTRPARM member.
2. If it is not possible to provide enough space on the volumes defined by the AMVOL parameter of the CTRPARM member, please add another volume to the list of volumes designated for allocation of the Archived Sysout Data Sets.
3. If it is not possible to add more volumes to the AMVOL parameter of the CTRPARM member, remove all of them. Then the Archived Sysout Data Sets will be allocated only according to the AMUNIT parameter of the CTRPARM member.
4. Start the Control-M monitor.
5. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.

CTMD53S UNABLE TO ALLOCATE COMPRESSED DATASET FOR SYSDATA SYSOUT ARCHIVING. LAST RC=rc

Explanation: Dynamic allocation of an Archived Sysout Dataset has failed.

This message will be preceded by other messages detailing the nature of the problem, DD name, RC and reason code.

The Archived Sysout Dataset is not allocated. The job is processed and an ENDED NOTOK message is displayed, with the status FAILED REASON UNKNOWN.

Corrective Action: Record all relevant messages, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMD55S SYSOUT ARCHIVING FAILED

Explanation: Highlighted, unrollable message.

The Control-M monitor failed to archive SYSDATA for the job. This message is preceded by other messages detailing the nature of the error.
The job is processed and an ENDED NOTOK message is displayed, with the status FAILED REASON UNKNOWN.

**Corrective Action:** Do the following:

1. Examine the preceding messages, and follow the steps recommended in the description of those messages.
2. Start the Control-M monitor again. If the problem persists, report it to your INCONTROL administrator, who should prepare the Control-M monitor full output and contact BMC Customer Support.

**CTMD60E FILL IN THE NEW PASSWORD TWICE**

**Explanation:** A normal prompt of the IOA Entry Panel. The user is asked to write the value of the new password twice (to confirm the user choice).

**Corrective Action:** Enter the same value of the new password in the two provided fields.

**CTMD67S ORDERING CHECKPOINT RECORD IS INVALID FOR THIS DAILY**

**Explanation:** The Ordering Checkpoint Record contains recovery information which is invalid for this Daily run.

The Ordering Checkpoint Record, which is in the same member as the User Date Control Record, contains data specifying recovery for the CTMJOB program, but these data are incorrect for the jobs that were ordered in this run of CTMJOB.

The CTMJOB program ends with errors.

**Corrective Action:** Either run CTMJOB with the same data (ordered jobs) as were in the last (abending) run, or blank out the values of the keywords in the Ordering Checkpoint Record, and run CTMJOB without recovery.

**CTMD68S STRUCTURE OF ORDERING CHECKPOINT RECORD IS INVALID**

**Explanation:** The Ordering Checkpoint Record contains invalid keywords, or valid keywords in invalid offsets. The Ordering Checkpoint Record, which is in the same member as the User Date Control Record, contains keywords in an unexpected structure.

The CTMJOB program ends with errors.

**Corrective Action:** Either correct the Ordering Checkpoint Record, or delete the Ordering Checkpoint Record, and run CTMJOB without recovery.

**CTMD69I NO JOBS WERE SCHEDULED DURING SCHEDULING REQUEST**

**Explanation:** This information message indicates that no jobs matched the ordering criteria during a scheduling request. This message is issued after the scheduling request has been processed, and no jobs were ordered.

**Corrective Action:** If you think a job should have been ordered in this scheduling request, check and correct the scheduling parameters as required, and rerun the scheduling request.
CTMD6AI RETRO SCHEDULING BYPASSED FOR JOBS WITHIN GROUP

Explanation: This information message indicates that Y was specified in the RETRO field in a group entity or in one of the group jobs. RETRO processing is not supported in GROUPS. Setting RETRO to Y in a group can cause jobs to be scheduled on inappropriate ODATES.

The RETRO field is ignored in group processing.

Corrective Action: Set the RETRO field to N and retry.

CTMD6BI NUMBER OF JOBS ORDERED - numJobs

Explanation: This information message indicates the number of jobs ordered by the present invocation of CTMJOB.

Corrective Action: No action is required.

CTMD70E OPTION IS VALID UNDER ISPF ONLY

Explanation: ISPF environment is missing. This option can be used only under ISPF.

Corrective Action: To use the option, invoke Control-M under ISPF.

CTMD71E EDIT NOT PERFORMED. MEMLIB IS EITHER DUMMY OR CONTAINS "USER="

Explanation: Editing was attempted when the MEMLIB or OVERLIB field contained either DUMMY or USER. When the MEMLIB or OVERLIB field contains DUMMY or USER, editing cannot be performed.

Corrective Action: No action is required.

CTMD72E ONLY JOBS MAY BE EDITED (NOT STARTED TASKS OR GROUP ENTITIES)

Explanation: An attempt was made to edit a group entity or the JCL of a started task. Only the JCL of regular jobs can be edited.

Corrective Action: No action is required.

CTMD73E ISPF/EDIT FAILED FOR text

Explanation: Execution of the ISPF EDIT command failed.

If the variable text is of the form lib(memname), then ISPF was unable to edit the library or member specified in MEMLIB and MEMNAME of the job. The ISPF profile or the directory in which the profile is contained may be full or the library (specified in the MEMLIB field) does not exist.

If the variable text is of the form DDNAME= xxx, then ensure that Control-M exit CTMX014G is installed, which provides support for online editing of members specified via the MEMLIB DDNAME= xxx format. See the explanation of the MEMLIB parameter in the Control-M for z/OS User Guide for further details.

If the variable text is of the form EDIT DENIED BY [USER EXIT]-moduleName, then the edit command was failed by the IOA Editor or by the specified user exit.
Corrective Action: Check the parameters specified in MEMLIB and MEMNAME of the job. If the reason that ISPF could not edit the library or member is not obvious, then invoke the ISPF EDIT DATASET library or member to clarify the problem.

CTMD74E MEMLIB AUTOEDIT RESOLUTION FAILED. ENDED WITH RC=rc
Explanation: The MEMLIB field contained AutoEdit variables which could not be resolved.
Corrective Action: Correct the problematic AutoEdit variable.

CTMD75E EDIT NOT PERFORMED SINCE MEMNAME CONTAINS EITHER "*" OR "?"
Explanation: MEMNAME contains an invalid parameter for the EDIT option. When the MEMNAME field contains either * or ?, editing cannot be performed.
Corrective Action: Correct the parameter in the MEMNAME field.

CTMD90E RECOVERY RECORD INCOMPATIBLE WITH DATE RECORD
Explanation: The Date Control Record indicates that recovery is not necessary, but the recovery record, that is, the second record of the Date Control Record member used for Enhanced Daily Checkpointing, indicates that recovery is needed.

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure. In the Date Control Record, date-2 (columns 18-23) is equal to date-3 (columns 25-30) and date-4 (columns 43-48) is equal to date-5 (columns 50-55). However, the recovery record contains non-blank values for the recovery parameters.

For more details, please see the description of the Date Control Record in the INCONTROL for z/OS Administrator Guide.

The program terminates with a condition code of 08.
Corrective Action: If recovery is required, set date-3 to the day before date-2, and date-5 to the day before date-4. If recovery is not required, replace the values in the recovery record with blanks.

CTMD91E INVALID PREVIOUS MONTHLY SCHEDULING DATE IN USER DATE CONTROL-RECORD (POSITIONS 25-30)
Explanation: Invalid previous monthly scheduling date in the User Daily Date Control Record date-3 (columns 25-30). This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.

Valid formats for the date are:
- ddmmyy
- mmddyy
- yymmdd

Possible causes are:
The previous run of the CTMJOB program did not complete successfully.

The contents of the User Daily Date Control Record (the DACHK DD statement) have been incorrectly modified manually.

For more details, please see the description of the Date Control Record in the INCONTROL for z/OS Administrator Guide.

The program terminates with a condition code of 08.

**Corrective Action:** Correct the Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

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**CTMD92S FILE ALLOCATED TO DDNAME "DACKPT" IS NOT THE EXPECTED ACTIVE JOBS FILE**

**Explanation:** Highlighted, unrollable message.

The Active Jobs file specified for the Control-M monitor is not the correct Active Jobs file for this monitor. The QNAME specified in CTMPARM does not match the QNAME specified in Record 0 of the Active Jobs file.

The Control-M monitor shuts down.

**Corrective Action:** Correct the data set name referenced by the DD name DACKPT, or format the Active Jobs file using the same IOA Load library used by the Control-M monitor.

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**CTMD93S BUILD OF RESOURCE FILE ENDED WITH ERRORS**

**Explanation:** The procedure that builds a new Control-M Resources file encountered an error. The next message describes the error.

The system stops without building the Control-M Resources file, and issues a return code of 12.

**Corrective Action:** Correct the error described in the next message and try again.

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**CTMD94S RECORD 0 CONTAINS ILLEGAL CONTROL OR QUANTITATIVE COUNTERS**

**Explanation:** The counters in record 0 have illegal values. Record 0 of the Control-M Resources file contains counters and parameters that define the file. The maximum value of each counter is 100.

The system stops and issues a return code of 12.

**Corrective Action:** Ensure that there are no more than 100 Quantitative resource records and no more than 100 Control resource records.

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**CTMD95S NUMBER OF BASE SLOTS TO BE DEFINED IN THE NEW RESOURCE FILE BUILD PROGRAM EXCEEDS MAXIMUM**

**Explanation:** You tried to define too many base slots in the new Control-M Resources file. The new Control-M Resources file build program can define a maximum of 1160 base slots.

The system stops without defining any base slots, and issues a return code of 12.
Corrective Action: Change the value of the RESBQNT parameter to a value that is less than 1160. For more information, see the section on MVS procedures and configuration in the Control-M chapter of the INCONTROL for z/OS Installation Guide.

CTMD96S COPY OF RESOURCES OR CONDITIONS FILE ENDED WITH AN ERROR

Explanation: An error interrupted copying of the Control-M Resources file or the IOA Conditions file. The next message describes the cause of the error.
The system stops without copying the file, and issues return code 12.
Corrective Action: Correct the error described in the next message and try again.

CTMD97S NEW RES FILE IS TOO SMALL FOR MIGRATION OF RESOURCES

Explanation: Copying failed because the new Control-M Resources file is not big enough to contain all of the resource data, whether relating to quantitative or control resources or both, in the old Control-M Resources file.
The system stops without copying the file, and issues a return code of 12.
Corrective Action: Try again with a larger new Control-M Resources file.

CTMD98E FAILED TO UPDATE RESOURCE FILE WITH THESE JOB RESOURCES. JOB=jobName OID=orderId

Explanation: The program that builds the new Control-M Resources file could not update it from the Active Jobs File (AJF). The program detected new jobs data in the AJF that should be updated in the Control-M Resources file, but it could not do the update.
The system continues building the Control-M Resources file, without adding the new data.
Corrective Action: Check and correct the definitions of the AJF, the Control-M Resources file, and the data, as necessary, and try again. If necessary, update the Control-M Resources file manually.

CTMD9AS RESBQNT# (FOR NEW RES FILE) IS SMALLER THAN VALUE IN THE OLD RES FILE.

Explanation: This message is issued if the RESBQNT# parameter in the new resource file is less than the value of RESBQNT# in the old file.
Corrective Action: Refer to the Control-M Utilities guide, utility CTMCRES, section "Copy or Resize the Control-M Resources File". Part of the procedure involves changing parameter RESBQNT#, which is the maximum number of Quantitative resources to be defined in the Control-M Resources file.

CTMD9BE TABLE CONTAINS A MIX OF M/F AND DISTRIBUTED JOBS

Explanation: During the execution of the CTMTLB utility, a scheduling table was encountered which contained a combination of both mainframe and distributed job definitions. This is not supported by the utility.
The program terminates with a return code of 8.
Corrective Action: To overcome this situation, the CTMTLB utility must be executed twice, once using the EXCLUDE MF control statement and once using the EXCLUDE NONMF control statement so that two separate XMLs are created, one for the mainframe datacenter and one for the distributed datacenter. The DATACENTER control statement for each execution must be appropriately changed.

CTMD9DW CURRENT TABLE IS EMPTY. THE TABLE IS IGNORED

Explanation: During the execution of the CTMTLB utility, an empty scheduling table was encountered. The program ignores the empty table, continues processing and terminates with a return code of 4.

Corrective Action: No action is required.

Messages CTME00 through CTMExx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTME01I type BASED JOB TRACKING INITIALIZED SUCCESSFULLY

Explanation: The type variable indicates the type of job tracking method used, either ENF or JES.

- ENF based tracking. The most efficient job tracking method available for Control-M beginning with version 8.0.00. It is based on 'Job Status Change' events, which is supplied by z/OS Events Notification Facility (ENF) since z/OS 1.11. It is only available in JES2. The ENF based job tracking is the default method used by Control-M, unless ENF is unavailable or deactivated by setting the ENFENA installation parameter to N (in which case the CTME06W message is also issued). In a SYSPLEX environment Control-M uses this method only when the z/OS level for all SYSPLEX members is z/OS 1.11 or later.

- JES based tracking. This is the only method available in versions of Control-M earlier than 8.0.00. The jobs tracking handled by Control-M is based on periodical issuing the JES 'STATUS' Subsystem Request.

Corrective Action: No action is required.

CTME02E ERROR IN ESTABLISHING LISTENER FOR JOB STATE CHANGES. REASON error reason CODE error code

Explanation: An internal error occurred while Control-M attempted to initialize the ENF based job tracking method. Control-M monitor continues working, using JES based job tracking. See the explanation for CTME01I for more information about ENF and JES based job tracking methods.

Corrective Action: Save the Control-M monitor system log and contact IOA or Control-M technical support for assistance.

CTME03E ERROR IN RESUME LISTENING FOR JOB STATE CHANGES. REASON error reason CODE error code

Explanation: An internal error occurred while Control-M attempted to resume the ENF based job tracking method after it was temporary disabled. Control-M monitor continues working, using JES based job tracking. See the explanation for CTME01I for more information about ENF and JES based job tracking methods.
**Corrective Action:** Save the Control-M monitor system log and contact IOA or Control-M technical support for assistance.

**CTME04E** LISTENING FOR JOB STATE CHANGES ENDED ABNORMALLY AND TERMINATED. LAST POINT *internal name of last check point passed*

**Explanation:** Control-M monitor detected the abnormal termination of the ENF 'Job Status Change' events listening exit (established by Control-M for ENF Based Job Tracking). The ENF based job tracking is disabled because of the abnormal termination, but Control-M monitor continues working, using JES based job tracking. See the explanation for CTME01I for more information about ENF and JES based job tracking methods.

**Corrective Action:** Save the Control-M monitor system log and contact IOA or Control-M technical support for assistance.

**CTME05E** INTERNAL QUEUE ERROR IN LISTENING FOR JOB STATE CHANGES. REQUEST *internal queue request CODE error code*

**Explanation:** An internal queue error occurred while processing the ENF 'Job Status Change' events passed to Control-M monitor from the events listening exit (established by Control-M for ENF Based Job Tracking). The ENF based job tracking is disabled because of the abnormal termination, but Control-M monitor continues working, using JES based job tracking. See the explanation for CTME01I for more information about ENF and JES based job tracking methods.

**Corrective Action:** Save the Control-M monitor system log and contact IOA or Control-M technical support for assistance.

**CTME06W** ENF BASED JOB TRACKING IS DISABLED BY INSTALLATION PARAMETER

**Explanation:** The ENFENA Control-M installation parameter is set to N, specifying JES based job tracking instead of ENF based job tracking. See the explanation for CTME01I for more information about ENF and JES based job tracking methods.

**Corrective Action:** No action is required.

**CTME07W** UNKNOWN LEVEL OF NON-ACTIVE SYSPLEX MEMBER *system name*

**Explanation:** Control-M did not recognize the z/OS level of the SYSPLEX member. As a result, Control-M does not activate the ENF based jobs tracking, but uses JES based jobs tracking instead. See the explanation for CTME01I for more information about ENF and JES based job tracking methods.

**Corrective Action:** If the ENF based job tracking method is required, and the actual z/OS levels of the SYSPLEX members displayed in the message are not lower than z/OS 1.11, do the following: Locate the ENFENA installation parameter in the 'Monitor Parameters' section of the CTMPARM installation member and set it to F.

**CTME80S** STATEMENT PARSING ERROR. RC= rc. EXECUTION WILL TERMINATE

**Explanation:** Highlighted, unrollable message.
An internal error occurred while building the online environment.
The online environment is not started.

**Corrective Action:** Try to reenter the online environment after logging out and reconnecting. If this is unsuccessful, record the message and contact BMC Customer Support.

**Messages CTMF00 through CTMFxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTMF51I** LOC SNDR *loc_sendr* INIT SESSION WITH RMT RCVR *rmt_recvr*

**Explanation:** The *loc_sendr* local sender is trying to initiate a session with the *rmt_recvr* remote receiver. A session starts when the remote Gateway comes up.

**Corrective Action:** No action is required.

**CTMF52I** LOC RCVR *loc_recvr* AWAITING SESSION WITH RMT SNDR *rmt_sendr*

**Explanation:** The *loc_recvr* local receiver is waiting for a session to be initiated with the *rmt_sendr* remote sender. A session starts when the remote Gateway comes up.

**Corrective Action:** No action is required.

**CTMF53I** LOC SNDR *loc_sendr* NOW IN SESSION WITH RMT RCVR *rmt_recvr*

**Explanation:** The *loc_sendr* local sender is now in a session with the *rmt_recvr* remote receiver. Communication is established.

**Corrective Action:** No action is required.

**CTMF54I** LOC RCVR *loc_recvr* INIT SESSION WITH RMT SNDR *rmt_sendr*

**Explanation:** The *loc_recvr* local receiver is now in a session with the *rmt_sendr* remote sender. Communication is established.

**Corrective Action:** No action is required.

**CTMF55E** SERVER TYPE *x* FAILED IN *yyy*. RC=rc

**Explanation:** An Application Server of type *x* has failed to perform service *yyy*.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **x** - the type of Application Server
- **yyy** - the problematical service Valid values are:
  - PUT
  - GET
- **rc** - the return code A value of 28 indicates communication recovery and is allowed. All other return codes are indicative of internal errors.

**Corrective Action:** If the value of rc is not 28, consult your INCONTROL administrator.

**CTMF90S** OPEN OF DDCARD **ddName** FAILED

**Explanation:** Open for the specified DD statement pointing to password member failed.
Possible causes are:
- The **ddName** DD statement is missing.
- The file allocated to the **ddName** DD statement is not a sequential file nor a member in a PDS.
Authorization to access the product is denied.

**Corrective Action:** Correct the JCL statement for the procedure or the allocations for the CLIST.

**CTMF91S** PASSWORD MEMBER TOO LARGE (DD **ddName**)

**Explanation:** Password member (or sequential data set) has too many lines.
In this message, **ddName** is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.

**Corrective Action:** Remove unnecessary lines from the member.

**CTMF92S** SYNTAX ERROR IN PASSWORD MEMBER (DD **ddName**)

**Explanation:** A syntax error was found in the password member. When this message is issued by the monitor, it is generally followed by message CTMF9DS, which describes the erroneous line in the member.
In this message, **ddName** is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.

**Corrective Action:** Correct the text in the password member.

**CTMF93S** VALUE ERROR IN PASSWORD MEMBER (DD **ddName**)

**Explanation:** A field in the password member contains invalid data. When this message is issued by the monitor, it is generally followed by message CTMF9DS, which describes the erroneous line in the member.
In this message, **ddName** is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.

**Corrective Action:** Correct the text in the password member.
CTMF94S PASSWORD INVALID, PLEASE RECHECK PASSWORD MEMBER (DD \textit{ddName})

**Explanation:** Data in the password member was not consistent with the specified password. In this message, \textit{ddName} is the identity of the DD statement that points to the password member. Authorization to access the product is denied.

**Corrective Action:** Check the contents of the password member against the text received from BMC Customer Support. If it checks, contact the representative.

CTMF95S PASSWORD FOR CONTROL-\textit{x} IS ABOUT TO EXPIRE IN \textit{n} DAYS

**Explanation:** Highlighted, unrollable message. Password expiration period is about to end. An expiration date is specified in the password member for the product.

**Corrective Action:** Contact BMC Customer Support for a new password.

CTMF96S PASSWORD FOR CONTROL-\textit{x} HAS EXPIRED

**Explanation:** Highlighted, unrollable message. Password expiration period has ended. An expiration date is specified in the password member for the product. Authorization to access the product is denied.

**Corrective Action:** Contact BMC Customer Support for a new password.

CTMF97S INTERNAL ERROR OCCURRED ON DD \textit{ddName}, PLEASE NOTIFY THE IOA ADMINISTRATOR

**Explanation:** An internal error has occurred while analyzing the password member pointed to by the \textit{ddName} DD statement. Authorization to access the product is denied.

**Corrective Action:** Notify the IOA administrator.

CTMF98S OBLIGATORY FIELD MISSING FROM PASSWORD MEMBER (DD \textit{ddName})

**Explanation:** An obligatory field is missing from a password member. The \textit{ddName} DD statement points to the password member. The PROD, START, CPUID, PASS, and TYPE fields should appear at least once in a password member. Authorization to access the product is denied.

**Corrective Action:** Check the contents of the password member against the text received from your INCONTROL administrator.
CTMF9AS PASSWORD FOR CONTROL-x NOT DEFINED IN MEMBER (DD ddName)

**Explanation:** The member pointed to by the `ddName` DD statement does not contain the password for the appropriate product.

In this message, `ddName` is the identity of the DD statement that points to the password member. Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this product.

CTMF9BS AUTHORIZATION PERIOD HAS NOT STARTED YET (DD ddName)

**Explanation:** The start date of the password has not yet arrived.

In this message, `ddName` is the identity of the DD statement that points to the password member. The START field contains the starting date of the password. Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this period.

CTMF9CS CPUID/MODEL NOT FOUND IN AUTHORIZED CPU LIST (DD ddName)

**Explanation:** The current CPU is not defined in the CPU list.

In this message, `ddName` is the identity of the DD statement that points to the password member. Each entry in the CPU list in the password member contains the CPUID of the CPU and its model. Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this CPU.

CTMF9DS CARD = text

**Explanation:** This message supplies additional information for a previous error message.

This message may appear after message CTMF92S or CTMF93S which indicates an error has occurred in one of the lines of the password member. Message CTMF9DS displays the erroneous line.

**Corrective Action:** See messages CTMF92S or CTMF93S.

CTMF9ES PASSWORD DDCARD ddName POINTS TO A NON EXISTING MEMBER (ABEND S013-18)

**Explanation:** The `ddName DD statement` is allocated to a nonexisting member in a PDS file.

In this message, `ddName` is the identity of the DD statement that points to the password member. Authorization to access the product is denied.

**Corrective Action:** Correct the name of the member in the DD statement or create a member with the specified name.
CTMF9FS PASSWORD FOR CONTROL-\(x\) EXPIRED, TEMPORARY AUTHORIZATION GRANTED

**Explanation:** The password for Control-x has expired. Nonetheless, Control-x can be run on the current date.

Despite password expiration, Control-x can be run on the 28th, 29th, 30th, 31st, 1st, 2nd, and 3rd days of each month for special purposes.

Control-x processing continues.

**Corrective Action:** Contact BMC Customer Support to obtain password renewal.

CTMFBO\(S\) PARAMETER \(parm\) NOT RECOGNIZED

**Explanation:** The parameter specified for the IOATEST utility is invalid.

IOATEST terminates with a condition code of 08.

**Corrective Action:** Correct the syntax of the parameters to IOATEST.

CTMF\(B1\)S PARAMETER SHOULD BE NUMERIC \((parm)\)

**Explanation:** The value of a parameter that should be numeric is nonnumeric.

The IOATEST utility terminates with a condition code of 08.

**Corrective Action:** Make sure the value of the parameter is numeric.

CTMF\(B2\)S NUMERIC PARAMETER OUT OF RANGE \((parm)\)

**Explanation:** Numeric parameter is not within the defined range.

The utility terminates with a condition code of 08.

**Corrective Action:** Make sure the value of the parameter is within the defined range.

CTMF\(B3\)S A MAXIMUM OF TEN MINOR LINES ARE ALLOWED FOR A MULTI-LINE MESSAGE

**Explanation:** More than 10 minor lines were specified for a multi-line message; 10 is the maximum allowed.

The IOATEST utility terminates with a condition code of 08.

**Corrective Action:** Make sure that no more than 10 minor lines are specified.

Messages CTMG00 through CTMGxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMG00I ENTERPRISE/CS MAINFRAME GATEWAY STARTED

**Explanation:** This information message indicates a normal start of MVS Gateway for Enterprise Controlstation.
Corrective Action: No action is required.

CTMG01I ENTERPRISE/CS MAINFRAME GATEWAY TRACE LEVEL IS SET TO debugLevel

Explanation: This information message indicates that the Enterprise Controlstation Mainframe Gateway DEBUG level was set by an operator modify command (F).

The TRACE level is set to a new level. Each TRACE level activates the trace option on different components of the Enterprise Controlstation Mainframe Gateway.

Corrective Action: No action is required.

CTMG02E ENTERPRISE/CS MAINFRAME GATEWAY NOT APF-AUTHORIZED

Explanation: The Enterprise Controlstation Mainframe Gateway is not APF-authorized. The CTWGTW module is not in an APF-authorized library or does not have the AC attribute set to 1.

The Enterprise Controlstation Mainframe Gateway shuts down.

Corrective Action: Either add the library name in which CTWGTW resides to the IEAAPF00 member in SYS1.PARMLIB, or relink the module with the AC attribute set to 1.

CTMG03E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

Explanation: An operator modify command (F) passed an erroneous parameter to the Enterprise Controlstation Mainframe Gateway. One or more GTWG25I messages are displayed on the operator console after this message, each containing a valid modify parameter.

The modify command is rejected.

Corrective Action: Enter a valid modify parameter.

CTMG04E BLDL/ATTACH FAILED FOR TASK modName

Explanation: Initialization of an IOA Gateway internal task failed. The system code indicating the exact reason can be found in the system log. Possible causes are:

- The modName module is not in the IOA Gateway Load library.
- Insufficient storage is available for the IOA Gateway.

The IOA Gateway shuts down.

Corrective Action: Call your system programmer for assistance. If necessary, increase the IOA Gateway REGION size.

CTMG05E UNRECOVERABLE ERROR ENCOUNTERED

Explanation: An unrecoverable error occurred in the operation of the Enterprise Controlstation Mainframe Gateway. The IOA Log, or the Enterprise Controlstation Mainframe Gateway JES messages file or SYSPRINT file, should contain a message with more details about the error. See also, CTWA01W.

The Enterprise Controlstation Mainframe Gateway shuts down.

Corrective Action: Call your system programmer for assistance. If the problem is not resolved, contact BMC Customer Support.
CTMG07I  SHUT DOWN UPON REQUEST FROM OPERATOR

**Explanation:** This information message confirms that an operator command (P) was issued, requesting shutdown of MVS Gateway for Enterprise Controlstation. This message is followed by message GTWG20I, indicating completion of the shutdown.

MVS Gateway for Enterprise Controlstation starts to shut down.

**Corrective Action:** No action is required.

CTMG10E  TRACE LEVEL MUST BE A NUMBER BETWEEN 0 AND 255

**Explanation:** An invalid TRACE level was entered, either in the operator modify command (F) or in the operator start command (S). When activating the Enterprise Controlstation trace facilities, specify a number from 0 through 255, inclusive, for the TRACE level. 0 specifies no tracing.

**Corrective Action:** Issue the command again with the correct TRACE level. The required TRACE level should be supplied by BMC Customer Support.

CTMG11I  SERVICE ID "id" IS {ENABLED | DISABLED}

**Explanation:** This information message confirms the current enable or disable status of service ID, after the operator has issued an operator modify command (F) that enables or disables it.

**Corrective Action:** No action is required.

CTMG24E  INTERVAL MUST BE A TWO-DIGIT NUMBER BETWEEN 03 AND 99 SECONDS

**Explanation:** Invalid Enterprise Controlstation Mainframe Gateway sleeping interval specified in an operator modify command (F). The Enterprise Controlstation Mainframe Gateway sleeping interval must be a two-digit number from 03 to 99 seconds.

The modify command is rejected.

**Corrective Action:** Enter a valid sleeping interval.

CTMG51E  COMM GATEWAY INTERNAL ERROR. RC=rc

**Explanation:** An internal error occurred. A call to internal routine ECAPUT failed with return code rc.

The IOA Gateway shuts down.

**Corrective Action:** Contact your INCONTROL administrator.

CTMG52E  INTERNAL ERROR: ASID=asid NOT FOUND

**Explanation:** An internal error occurred.

In this message, asid is the internal sequence number assigned to the server address space in which the error occurred.

The IOA Gateway shuts down.

**Corrective Action:** Contact your INCONTROL administrator.
CTMG53E OPEN OF DDNAME *ddName* FAILED

**Explanation:** An attempt to open a data set failed. The data set allocated by the specified DD name does not exist.

IOA Gateway shuts down.

**Corrective Action:** Determine why the data set allocated by the DD name in the startup procedure does not exist, fix the problem, and restart IOA Gateway.

CTMG63I DEALLOCATE SENT TO WORKSTATION GATEWAY ID=*id* APPLID=*applId* LU=*luName*

**Explanation:** This information message is issued during IOA Gateway shutdown or communication recycling. The deallocation was issued by the IOA Gateway APPLID *applId*. The corresponding partner or client LU is *luName*.

**Corrective Action:** No action is required.

CTMG65I DEALLOCATE RECEIVED FROM WORKSTATION GATEWAY ID=*id* APPLID=*applId* LU=*luName*

**Explanation:** This information message indicates that deallocation was issued by partner or client LU *luName* during communication re-cycling or shutdown initiated by the IOA Gateway. The corresponding IOA Gateway APPLID is *applId*.

**Corrective Action:** No action is required.

CTMG66W TPEND EXIT INVOKED. WORKSTATION GATEWAY ID=*id* APPLID=*applId* LU=*luName* REASON=*rsn*

**Explanation:** The connection between IOA Gateway APPLID *applId* and partner or client LU *luName* is being taken down by the VTAM operator. Exit TPEND is invoked with a reason code of *rsn*. An attempt is made to recycle communication.

**Corrective Action:** See the VTAM programming manual for an explanation of TPEND reason codes. Take appropriate action based on the reason code.

CTMG67W ATTN LOSS EXIT INVOKED. WORKSTATION GATEWAY ID=*id* APPLID=*applId* LU=*luName*

**Explanation:** The connection between partner or client LU *luName* and IOA Gateway APPLID *applId* was lost. This message is followed by message COMG68I containing VTAM information.

The IOA Gateway attempts to restart communication.

**Corrective Action:** With message COMG68I, determine the cause of the connection disruption. Correct it, if possible. If necessary, call your VTAM system programmer for assistance.
CTMG68I  RPL6SNSI=snsi RPL6RC=rc RPL6DETP=dept RPLSONCD=soncd

**Explanation:** This information message follows message COMG67I. It indicates that the connection between IOA Gateway and the partner/client was lost.

This message provides VTAM information for the VTAM system programmer. RPL6 fields are documented in the *VTAM Programming for LU 6.2* manual, as follows:

- **RPL6SNSI snsi** - the section on VTAM sense codes
  See also the VTAM messages and codes manual.
- **RPL6RC rc** - the appendix on return codes
- **RPL6DEPT dept** - at the end of ISTRPL6X DSECT (VTAM 3.3 and up)
- **RPLSONCD soncd** - the UNBIND Type Code, documented in the VTAM programming manual under the SCP exit routine

**Corrective Action:** Determine the cause of the connection disruption and correct it.

CTMG71I  PROBABLE VTAM IS HALTING

**Explanation:** This information message follows a message which indicates that a request from VTAM, such as an APPC command or an OPEN ACB command, failed. This message indicates that the probable reason for the failure is that VTAM is going down.

This message is followed by message COMG81I, COMG84I or COMG85I, which indicates the action that will be taken by IOA Gateway.

**Corrective Action:** No action is required.

CTMG72I  PROBABLE APPLID NOT DEFINED

**Explanation:** This information message indicates that the probable reason for a VTAM request failure is that the APPLID specified in the OPEN ACB command is unknown to VTAM. It follows message COMG91W, which indicates that an OPEN ACB command has failed.

Possible causes are:

- The Major Node where the APPLID is defined was not activated.
- The APPLID defined to VTAM does not match the APPLID defined to IOA Gateway in the ECAPARM member.

This message is followed by message COMG83E, which indicates the action that will be taken by IOA Gateway.

**Corrective Action:** Activate the Major Node or correct the APPLID specification.

CTMG73I  PROBABLE APPLID NOT DEFINED PROPERLY

**Explanation:** This information message indicates that the probable reason for the VTAM request failure is that the APPLID specified in the OPEN ACB is not a valid application definition, although it is known to VTAM. This could happen, for instance, if the APPLID defined to the IOA Gateway in the ECAPARM member is incorrect, but happens to match the name of another resource known to VTAM.

This message follows message COMG91W, which indicates that an OPEN ACB command has failed. It is followed by message COMG83E, which indicates the action that will be taken by the IOA Gateway.
Corrective Action: Correct the definition of the APPLID in the ECAPARM member.

CTMG74I PROBABLE ACB HAS ALREADY BEEN OPENED

Explanation: This information message indicates that the probable reason for the VTAM request failure is that the APPLID specified in the OPEN ACB command is already open and in use by another application.

Possible causes are:
- Another IOA Gateway with the same APPLID is already up.
- The APPLID defined to the IOA Gateway in the ECAPARM member is incorrect, but matches another APPLID definition.

This message follows message COMG91W, which indicates that an OPEN ACB command has failed. It is followed by message COMG85I, which indicates the action that will be taken by the IOA Gateway.

Corrective Action: Correct the definition of the APPLID in the ECAPARM member, or take down one of the address spaces with the same APPLID.

CTMG75I PROBABLE APPLID DEACTIVATED

Explanation: This information message indicates that the probable reason for a VTAM request failure is that the APPLID was deactivated by a VARY NET,INACT command.

This message follows a message that indicates that a request from VTAM, such as an APPC command or an OPEN ACB command, failed. This message is followed by message COMG81I, which indicates the action that will be taken by the IOA Gateway.

Corrective Action: Activate the APPLID.

CTMG76I PROBABLE VTAM IS NOT ACTIVE

Explanation: This information message indicates that the probable reason for a VTAM request failure is that VTAM is down.

This message follows message COMG91W, which indicates that an OPEN ACB command failed. It is followed by message COMG85I, which indicates the action that will be taken by the IOA Gateway.

Corrective Action: No action is required.

CTMG77I PROBABLE PARTNER DISCONNECTED

Explanation: This information message indicates that the probable reason for a VTAM request failure is that the conversation was lost due to abend or disconnection of the partner or client.

This message follows message COMG90E, which indicates that an APPC command has failed. It is followed by message COMG81I, which indicates the action that will be taken by the IOA Gateway.

Corrective Action: Check the message issued by the partner or client and proceed accordingly.

CTMG78I PROBABLE CONNECTION LOST

Explanation: This information message indicates that the probable reason for a VTAM request failure is a communication disruption. This may be due to a resource failure on the route to the partner or client.
This message follows message COMG90E, which indicates that an APPC command has failed. It is followed by message COMG81I, which indicates the action that will be taken by the IOA Gateway.

**Corrective Action:** Try to determine the cause of the communication disruption and correct it.

**CTMG79I PROBABLE SESSION TERMINATED**

**Explanation:** This information message indicates that the probable reason for a VTAM request failure is that a VTAM session termination occurred.

This message follows message COMG90E, which indicates that an APPC command has failed. It is followed by message COMG81I, which indicates the action that will be taken by the IOA Gateway.

**Corrective Action:** Contact your INCONTROL administrator.

**CTMG81I RE-START COMMUNICATION WILL BE ATTEMPTED**

**Explanation:** This information message indicates that an attempt will be made to restart communication. Restarting communication involves preparing to receive a conversation allocation request from the partner or client LU, including opening the ACB if it is not already open.

This message follows other messages that provide details about an error that occurred.

The IOA Gateway attempts to restart communication.

**Corrective Action:** No action is required.

**CTMG82I RE-CYCLE COMMUNICATION WILL BE ATTEMPTED**

**Explanation:** This information message indicates that an attempt will be made to recycle communication. Communication is recycled when VTAM is going down or when the retry limit is exceeded. Recycling communication involves deallocating the conversation (if there is any), closing and then reopening the ACB, and preparing to receive a conversation allocation request from the partner or client LU.

This message follows other messages that provide details about an error that occurred.

The IOA Gateway attempts to recycle communication.

**Corrective Action:** No action is required.

**CTMG83E THE COMM GATEWAY WILL BE SHUT DOWN**

**Explanation:** This message indicates that the IOA Gateway will shut down. This message follows other messages that provide details about an error that occurred.

The IOA Gateway shuts down.

**Corrective Action:** If the shutdown is due to an error in the IOA Gateway, contact your INCONTROL administrator.

**CTMG85I OPERATION WILL BE RE-ATTEMPTED AFTER ONE MINUTE**

**Explanation:** This information message indicates that a failed operation will be retried until the retry limit is reached. This message follows other messages that provide details about an error that occurred.

The failed operation is retried. When the retry limit is exceeded, an attempt is made to recycle communication.
Corrective Action: No action is required.

CTMG90E APPCMD appcmd FAILED. APPLID=applId R15=r15 R0=r0 RPL6RC=rc PARTNER LU=partner_lu

Explanation: An APPC command failed.
This message is followed by a message indicating the action that will be taken by the IOA Gateway. This message may be preceded by another message that provides more information about the error that occurred.

The following information in this message is for the VTAM system programmer:
- **appccmd** - Command that failed
- **applId** - APPLID that issued the failing command
- **r15** - Register 15 returned by VTAM
- **r0** - Register 0 returned by VTAM
- **rc** - RPL6RC returned by VTAM

The following fields are documented in the VTAM Programming for LU 6.2 Guide:
- **APPCCMD** - in the section on LU 6.2 macro instruction syntax and operands.
- **RPL6RC** - in the appendix on return codes.
- **RO and R15** - in the section on handling errors.

Corrective Action: If a second message gives a probable cause for the error, proceed according to the recommended User Response in that message. Otherwise, contact your VTAM system programmer.

CTMG91W OPEN ACB FAILED. APPLID=applId ACBERFLG=erflg

Explanation: An OPEN ACB command failed.
The following information in this message is for the VTAM system programmer:
- **applId** - APPLID that issued the failing command
- **erflg** - ACBERFLG returned by VTAM

Note:
ACBERFLG is documented in OPEN - Open One or More ACBs, ERROR Field, in the VTAM programming manual.

This message is followed by a message which indicates the action that will be taken by the IOA Gateway. This message may be preceded by another message which provides additional information about the error that occurred.

Corrective Action: If a second message gives a probable cause for the error, proceed according to the recommended user action for that message. Otherwise, contact your VTAM system programmer.

CTMG93W CLOSE ACB FAILED. APPLID=applId ACBERFLG=erflg

Explanation: A CLOSE ACB command has failed.
The following information in this message is for the VTAM system programmer:

- **applId**: APPLD that issued the failing command
- **erflg**: ACBERFLG returned by VTAM

Note:
ACBERFLG is documented in "CLOSE - Close One or More ACBs, ERROR Field", in the VTAM programming manual.

This message is followed by a message that indicates the action taken by the IOA Gateway.

**Corrective Action:** Determine the cause of the failure from ACBERFLG. If necessary, contact your VTAM system programmer.

**Example:**

CTMG94W SETLOGON FAILED. **APPLD=applId R15=r15 R0=r0**
**RPLRTNCD=rtncd RPLFDBK2=fdbk2**

**Explanation:** A SETLOGON command failed. The following information in this message is for the VTAM system programmer:

- **applId**: APPLD that issued the failing command.
- **r15**: Register 15 returned by VTAM.
- **r0**: Register 0 returned by VTAM.
- **rtncd**: RPLRTNCD returned by VTAM.
- **fdbk2**: RPLFDBK2 returned by VTAM.

The following fields are documented in the VTAM programming manual:

- **RPLRTNCD**
- **RPLFDBK2**
- **R0, R15**: Chapter on handling errors and special conditions.

This message is followed by a message which indicates the action that will be taken by the IOA Gateway.

**Corrective Action:** Determine the cause of the failure from RPLRTNCD and RPLFDBK2. If necessary, contact your VTAM system programmer.

**Example:**

CTMG95E APPCCMD **appc_cmd FAILED AFTER nn RETRIES. ****APPLD=applId PARTNER LU=partner_lu**

**Explanation:** An APPC command failed after nn retries. The following information in this message is for the VTAM system programmer:

- **appc_cmd**: Command that failed.
- **applId**: APPLD that issued the failing command.

This message is followed by a message which indicates the action that will be taken by IOA Gateway. This message may be preceded by another message providing additional information about the error that occurred.
The IOA Gateway attempts to recycle communications.

**Corrective Action:** If a second message gives a probable cause for the error, proceed according to the user action in that message. Otherwise, contact your VTAM system programmer.

CTMG96E APPCCMD SEND NOT COMPLETED WITHIN num MINUTES.
APPLID=applId PARTNER LU=partner_lu

**Explanation:** A SEND operation was not completed within the specified number of minutes.
The IOA Gateway attempts to recycle communication.

**Corrective Action:** Contact BMC Customer Support.

CTMG97E GENCB FAILED. APPLID=applId R15=r15 R0=r0
RPLRTNCD=rplrc RPLFDBK2=fdbk2

**Explanation:** The IOA Gateway issued a GENCB macro to generate a control block, but the operation failed.
The following information in this message is for the VTAM system programmer:

- **applId** - APPLID that issued the failing command
- **r15** - Register 15 returned by VTAM
- **r0** - Register 0 returned by VTAM
- **rtncd** - RPLRTNCD returned by VTAM
- **fdbk2** - RPLFDBK2 returned by VTAM

The following fields are documented in the VTAM Programming manual:

- **RPLRTNCD**
- **RPLFDBK2**
- **R0, R15** - Chapter on handling errors and special conditions

The IOA Gateway shuts down.

**Corrective Action:** Use the diagnostic information in the message to determine the cause of the failure. Correct the problem accordingly.

**Messages CTMH00 through CTMHxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMH01I CONTROL-M HEALTH CHECKER TASK STARTED

**Explanation:** This information message indicates that the Health Checker task has begun.

**Corrective Action:** No action is required.
CTMH02I CONTROL-M HEALTH CHECKER TASK DISABLED IN CTMPARM

**Explanation:** This information message indicates that the Control-M parameter Use Health Checker (HCHEKER) is set to N.

**Corrective Action:** Enable the Health Checker task by setting the Control-M parameter Use Health Checker (HCHEKER) to Y.

CTMH03E HEALTH CHECKER IS NOT SUPPORTED IN CURRENT ZOS VERSION

**Explanation:** This error message indicates that the operating system does not support the IBM Health Checker component.

**Corrective Action:** No action is required.

CTMH04E CONTROL-M SUBTASK subtask HANGING

**Explanation:** This error message indicates that one or more Control-M subtasks has been processing the job (displayed as part of the preceding CTMH05I message) for an unreasonably long period of time. Refer to the preceding CTMH05I message lists for additional information pertaining to the job.

The Control-M Monitor continues processing as usual. The subtask continues processing the job. The delay, however, may indicate a more severe problem.

**Corrective Action:** Review the system log for additional messages related to the job. Then report the problem to the Control-M administrator.

If the reason for the problem is unclear, take the following actions:

1. Take a system (SVC) dump of the Control-M monitor's address space, using the DUMP console command. Specify the parameter SDATA=(CSA,GRSQ,SUM,RGN,TRT).

2. Prepare the Control-M monitor full output and contact BMC Customer Support.

If the reason for the problem is outside of Control-M, holding the job being processed and restarting the Control-M monitor may have only a temporary effect.

CTMH05I CONTROL-M SUBTASK STATUSES

**Explanation:** This information message indicates the start of the status information displayed by the Health Checker task. This message is followed by additional information on subtasks being monitored and either CTMH06I or CTMH04E.

**Corrective Action:** No action is required.

CTMH06I CURRENT STATUS OF CONTROL-M MONITOR IS OK

**Explanation:** This information message indicates that all tasks being monitored are processing normally. This message is preceded by CTMH05I.

**Corrective Action:** No action is required.
CTMH07I CONTROL-M AJF FILE CONDITION

Explanation: This information message indicates that what follows is the current status of the Active Jobs File (AJF). The following information on the AJF is listed:

- Number of entries - maximum number of entries permitted in the AJF
- Size in Bytes - the amount of space used by the AJF
- Free entries - the number of additional entries permitted in the AJF
- Percentage used - the number of entries currently in use, expressed as a percentage of the maximum number of entries
- Threshold - the Control-M monitor starts to notify the operator about AJF utilization when the number of used entries reaches this percentage of the maximum allowed

Corrective Action: No action is required.

CTMH08A HEALTH CHECKER INTERFACE IS DEACTIVATED AS RESULT OF A FAILURE. REPLY CONTINUE OR RETRY

Explanation: This message indicates that the Health Checker task has encountered a problem and has stopped processing.

The Health Checker task stops processing and waits for a reply.

Corrective Action: Enter one of the following responses:

- CONTINUE - disable communication between the Health Checker interface and Control-M monitor, allowing the Control-M monitor to continue processing.
- RETRY - retry the failed Health Checker task

CTMH09E CONTROL-M ACTIVE JOBS FILE UTILIZATION THRESHOLD IS REACHED

Explanation: This information message indicates that the use of the Active Jobs File (AJF) has reached the threshold. This message is preceded by CTMH07I, which lists information on the size of the AJF. For more information, see the Explanation of message CTMH07I.

When the number of entries used in the AJF reaches the threshold percentage Control-M could stop ordering jobs. The threshold percentage is specified in the Control-M parameter AJFTHRSH.

Control-M could stop ordering jobs but all other functions (such as, job submission and post-processing) continue normally.

Corrective Action: Contact your INCONTROL administrator. It may be necessary to compress the Active Jobs file or to increase its size.

CTMH0AI CURRENT STATUS OF CONTROL-M AJF FILE IS OK

Explanation: This information message indicates that the use of the Active Jobs File (AJF) has not reached the threshold. This message is preceded by CTMH07I, which lists information on the size of the AJF. For more information, see the Explanation of message CTMH07I.

Corrective Action: No action is required.
CTMH0BI  THE CONTROL-M MONITOR RUNNING WITH CURRENT SET OF PARAMETERS

Explanation: This message indicates there are no differences between the parameter settings currently in use and those in the CTMPARM member.

Corrective Action: No action is required.

CTMH0CE  FOUND SOME DIFFERENCES IN CURRENT PARAMETERS SET AND CTMPARM

Explanation: This message indicates that one or more Control-M parameters, in the CTMPARM member, are not equal to the parameter setting in the running Control-M Monitor. This message precedes CTMH0DI.

The running Control-M Monitor continues processing, however, the inconsistency between the Control-M parameters could cause unpredictable results.

Corrective Action: Review the output of the message CTMH0DI and check for unexpected parameter changes.

If the differences in the parameter settings are known, perhaps as a result of using the MODIFY command, you can ignore this exception. However, if the differences are not expected, you may need to restart the Control-M monitor or refresh the Control-M parameter settings using the following command:

F CTM_monitor,NEWPARM

CTMH0DI  CTMPARM COMPARATION DETAIL REPORT

Explanation: This message precedes the listing of the Control-M parameters where differences were found between the current settings and those saved in the CTMPARM member. The listing includes the following columns:

- CTM parameter - the name of the Control-M parameter
- Current value - parameter setting in the running Control-M monitor
- CTMPARM value - parameter setting saved in the CTMPARM member

Corrective Action: No action is required.

CTMh30E  HEALTH CHECKER REQUEST FAILED: IBM HEALTH CHECKER IS NOT ACTIVE

Explanation: This error message indicates that the Health Checker task could not be processed because the IBM Health Checker component is not running.

Corrective Action: No action is required.

CTMh31W  IBM HEALTH CHECKER TERMINATED

Explanation: This warning message indicates that the IBM Health Checker was stopped or ended abnormally.

Corrective Action: No action is required.
CTMh32E IBM HEALTH CHECKER REMOTE CHECK checkName FAILED;
REASON=nn

Explanation: This error message indicates that one of the following remote checks, identified by checkName in the message string, failed to process correctly.

- CTMHCKPR - check for job processing delays
- CTMHCKTR - report on the status of the Active Jobs File
- CTMHCKMR - report on comparison of current session parameters and the parameters in CTMPARM.

The cause of the failure can be identified by the reason code, represented by nn in the message string. The following table shows possible values for nn:

<table>
<thead>
<tr>
<th>Reason</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>OPSTART failed</td>
</tr>
<tr>
<td>02</td>
<td>OPCOMPLETE failed</td>
</tr>
<tr>
<td>03</td>
<td>ADD CHECK failed</td>
</tr>
<tr>
<td>04</td>
<td>Obtain PAUSE</td>
</tr>
<tr>
<td>05</td>
<td>Pause Request failed</td>
</tr>
<tr>
<td>06</td>
<td>Failed to load CTMPARM</td>
</tr>
</tbody>
</table>

Corrective Action: No action is required.

Messages CTMI00 through CTMIxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMI01S pgm UNABLE TO OPEN FILE ddName

Explanation: The pgm program is unable to open the ddName file referenced by the specified DD name. The ddName file may be missing. This message is accompanied by a system message explaining the cause of the problem. The program terminates.

Corrective Action: Supply the required DD name if it is missing. Otherwise, see the accompanying system message and take appropriate action.

CTMI02S pgm UNABLE TO LOAD modName

Explanation: The pgm program is unable to load the modName module. The modName module is probably missing from the IOA Load library.
The program is terminated.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

**CTMI03I** AJF/CONDITIONS JOURNAL INITIALIZED: BLOCKSIZE *num*

**Explanation:** This information message indicates that the Control-M journal file was successfully initialized during New Day processing.

The first record of the journal file contains information relevant to the Control-M current working day.

In this message, *num* is the blocksize of the journal file.

**Corrective Action:** No action is required.

Messages **CTMJ 00 through CTMJ xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTMJ02E** *ddName* BEING FORMATTED. TRY AGAIN LATER

**Explanation:** The *ddName* file is currently being formatted.

This error message may be issued as part of the New Day procedure, or some other component that formats the file. It is also possible that a component attempted to format the file, but failed, leaving the file unusable (in status "FORMAT").

**Corrective Action:** Try again later. If no component is currently formatting the file, the file must be reformatted before it can be used.

**CTMJ03E** *ddName* - PARM QNAME *qName1* DIFFERENT THAN IN FILE *qName2*

**Explanation:** QNAME *qName1* defined in CTMPARM differs from QNAME *qName2* specified in the file pointed to by the *ddName DD statement*. The QNAMEs of the files must be identical to the QNAME specified in CTMPARM.

Processing of the current command stops with a return code of 8.

**Corrective Action:** Reformat the file pointed to by the *ddNameDD statement*, using the proper installation procedures.

**CTMJ81I** UTILITY IOADDR STARTED

**Explanation:** This information messages indicates that the IOADDR utility started.

**Corrective Action:** No action is required.

**CTMJ82I** UTILITY IOADDR ENDED

**Explanation:** This information message indicates that the IOADDR utility ended.

**Corrective Action:** No action is required.
CTMJ 83S INVALID PARAMETER SPECIFICATION

**Explanation:** The parameter passed to the IOADDR utility was either invalid or missing. The IOADDR utility terminates.

**Corrective Action:** Verify that a valid DSNAME was passed as a parameter to the IOADDR utility.

CTMJ 84S OPEN OF FILE "SYSPRINT" FAILED

**Explanation:** Opening of the print file failed. Possible causes are:

- The SYSPRINT DD statement is missing from the step.
- The file allocated to the SYSPRINT DD statement is not a valid print file.

The IOADDR utility terminates.

**Corrective Action:** Correct the JCL for the IOADDR utility so that it contains a valid SYSPRINT DD statement.

CTMJ 85S OPEN OF CONTROL-FILE FAILED. DDNAME "ddName"

**Explanation:** The IOADDR utility failed to open one of its control files.

The IOADDR utility terminates.

**Corrective Action:** Correct the JCL for the IOADDR utility so that it has a correct control member allocated to it.

CTMJ 86S ALLOCATION FOR MEMBER *memName* LIBRARY *lib* FAILED

**Explanation:** Allocation of the specified member failed because the member does not exist in the specified library or is inaccessible.

The IOADDR utility terminates.

**Corrective Action:** Verify that the @IDCNTL control member contains a valid library and member name for each user.

CTMJ 87S ALLOCATION FOR TABLE FAILED

**Explanation:** Allocation of one of the IOADDR members failed, because one of the members pointed to by @IDCNTL does not exist or is inaccessible.

The missing member is skipped. Processing continues for the following members.

**Corrective Action:** Verify that the @IDCNTL control member contains a valid library and member name for each user.

CTMJ 88S BAD OP-CODE "op_code"

**Explanation:** A user table contained an invalid operation code.

The event definition with the bad OP-CODE is skipped. Processing continues with the following entries.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.
CTMJ 89S LOAD FAILED FOR MEMBER "memName"

**Explanation:** Load of one of the IOA modules failed. The IOADDR utility terminates.

**Corrective Action:** Verify that your STEPLIB DD statement points to the IOA LOAD library.

CTMJ 90S ACCESS RC=rc FOR LIBRARY lib MEMBER memName

**Explanation:** An error occurred in the IOADDR utility when reading a member from a PDS library. The return code describes the reason for the error.

Valid values for the return code \( rc \) are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Premature end of file.</td>
</tr>
<tr>
<td>8</td>
<td>Storage allocation error.</td>
</tr>
<tr>
<td>12</td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td>The data set name is not the name of a PDS library.</td>
</tr>
<tr>
<td>20</td>
<td>The data set is not a fixed format data set.</td>
</tr>
<tr>
<td>24</td>
<td>Logical record length of the file is not 80.</td>
</tr>
<tr>
<td>28</td>
<td>The data set in use.</td>
</tr>
<tr>
<td>32</td>
<td>Internal error.</td>
</tr>
<tr>
<td>36</td>
<td>The data set is not cataloged.</td>
</tr>
<tr>
<td>40</td>
<td>The data set allocation failed.</td>
</tr>
<tr>
<td>44</td>
<td>Invalid request.</td>
</tr>
<tr>
<td>48</td>
<td>Internal error.</td>
</tr>
<tr>
<td>52</td>
<td>Error accessing the directory.</td>
</tr>
</tbody>
</table>

The entry that caused the error is skipped.

**Corrective Action:** Correct the cause of the error, and retry the operation. In case of an internal error, supply BMC Customer Support with a copy of the input file and the parameters specified for the IOADDR utility.

CTMJ 91S INSUFFICIENT STORAGE FOR PROCESS

**Explanation:** The IOADDR utility failed to allocate storage for its operation.
The IOADDR utility terminates.

**Corrective Action:** Increase the REGION size.

**CTMJ 92S** JOB jobName NOT FOUND IN TABLE tableName OF LIB lib

**Explanation:** A request to order a job could not be fulfilled because the job did not exist in the scheduling table.

The event definition pointing to the missing job is skipped. Processing continues with the subsequent entries.

**Corrective Action:** Add the missing definition to the specified scheduling table.

**CTMJ 93S** BAD DATE date SPECIFIED

**Explanation:** The order date specified in the event definition is invalid.

The event definition with the bad date is skipped. Processing continues with the subsequent entries.

**Corrective Action:** Correct the date in the event definition.

**CTMJ 94I** USER: userId TABLE: tableName LIBRARY: lib

**Explanation:** This information message completes a preceding message stating the reason for the error.

**Corrective Action:** Use this information to locate the cause of the error.

**CTMJ 9CE** QNAME TABLE ENTRY ERROR. FLAG=num STC=stcName STR=structName LSN=logStreamName HLQ=hiLevelQualifier

**Explanation:** The IOADDC program found an invalid entry in the QNAME table for the QNAME specified by the IOADDC request.

The variables in this message are:

- **num** - a hexadecimal number representing the communication method used to transfer the IOADDC input trigger to Control-M Possible values are:
  - 40 - use the MVS system logger
  - 20 - call the IOADDR routine directly

- **stcName** - the name of the started task

- **structName** - the name of the CF structure

- **logStreamName** - the name of the log stream

- **hiLevelQualifier** - the high-level qualifier of the log stream file

The IOADDC request is aborted.

**Corrective Action:** Rerun the IOADDI job for the specified IOA installation, and verify that it was successful.
CTMJ 9DE  
**cbName** CONTROL BLOCK NOT FOUND - DATA SET TRIGGERING REQUEST ABORTED

**Explanation:** The IOADDC program was unable to find the **cbName** system-wide control block. The IOADDC request is aborted.

**Corrective Action:** Run the IOADDI job for each IOA installation that requires it.

CTMJ 9EE  
**qName** QNAME TABLE ENTRY NOT FOUND - DATA SET TRIGGERING REQUEST ABORTED

**Explanation:** The IOADDC program was unable to find an entry in the QNAME table that matched the **qName QNAME**.

The IOADDC request is aborted.

**Corrective Action:** Rerun the IOADDI job for the specified IOA installation, and verify that it was successful.

CTMJ A11  
IOADDS: **dsn**

**Explanation:** This information message indicates that the IOADDC utility was activated in an environment with no authorization to issue modify commands to the IOADDS started task. It can be used to issue a MODIFY command to IOADDS by a console automation product, for example, Control-O.

Execution continues.

**Corrective Action:** If you have already defined this message to your console automation software, no intervention is required. Otherwise, make sure that either IOADDC is activated in an APF-authorized environment, or that measures have been taken to handle this message.

CTMJ A2S  
IOADDS FUNCTIONAL SERVER IS NOT OPERATIONAL. DATASET TRIGGERING REQUESTS MAY BE LOST

**Explanation:** The IOADDS started task was not operational during an IOADDC-related data set event. The IOADDC utility attempted to start the IOADDS started task automatically, but IOADDS was not initialized.

The event that triggered this action is not processed.

**Corrective Action:** Check the output of the IOADDS utility. It should point to the problem which prevented the initialization. Proceed accordingly.

CTMJ A3I  
AJF IS BEING FORMATTED. IOADDS WILL WAIT TILL FORMAT FINISHES.

**Explanation:** The CONNECT DIRECT interface module has attempted to order a job as a result of a user request but the Active Jobs file is currently being formatted.

The interface module waits until the formatting has been completed, then retries the request.

**Corrective Action:** No action is required.
CTMJ A4S SYSPLEX TABLE MISSING - DATA SET TRIGGERING REQUEST ABORTED

Explanation: The CONNECT DIRECT interface module has attempted to read the Sysplex table and failed.

Possible causes are:
- the Sysplex table is not present in the PARM library
- the internal format of the table is invalid

The interface module aborts the request.

Corrective Action: Check why the Sysplex table is not in the PARM library, or why its internal format is invalid. Correct the problem and retry the request.

CTMJ A5S CMMPLEX TABLE MISSING - DATA SET TRIGGERING REQUEST ABORTED

Explanation: The CONNECT DIRECT interface module has attempted to read the CMMPLEX table and failed.

Possible causes are:
- The CMMPLEX table is not present in the PARM library.
- The internal format of the table is invalid.

The interface module aborts the request.

Corrective Action: Check why the CMMPLEX table is not in the PARM library, or why its internal format is invalid. Correct the problem and retry the request.

CTMJ A6S SYSTEM LOGGER REQUEST xxxxxx FAILED: R15=rc15 RETURN=rcx REASON=rsn

Explanation: One of the following System Logger requests failed:
- DEFCFS, IXGINVNT (define coupling facility structure)
- DEFLGS, IXGINVNT (define log stream)
- CONLGS, IXGCONN (connect to log stream)
- WRTIEL, IXGWRITE (write a log stream log block)
- DISLGS, IXGCONN (disconnect from log stream)
- DELLGS, IXGINVNT (delete log stream)
- DELCFS, IXGINVNT (delete coupling facility structure)

rc15 is the return code in Register 15 that identifies the error, and is one of the following:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>Minor System Logger request error.</td>
</tr>
<tr>
<td>Return Code</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>12</td>
<td>Intermediate System Logger request error.</td>
</tr>
<tr>
<td>16</td>
<td>Major System Logger request error.</td>
</tr>
<tr>
<td>20</td>
<td>Permanent System Logger request error.</td>
</tr>
<tr>
<td>28</td>
<td>Operating system does not support System Logger interface.</td>
</tr>
</tbody>
</table>

The return code `rcx` and reason code `rsn` are documented in the IBM manual *MVS Programming: Assembler Services Reference*, which contains the relevant system action. Each of the System Logger requests identified by the return code `rc15` is in a separate section of that publication, which also contains the possible values for the return code `rcx` and the reason code `rsn` for that System Logger request.

**Corrective Action:** If you have any difficulty interpreting the IBM publication, contact your INCONTROL administrator.

**CTMJ A7E NAME/TOKEN SERVICES REQUEST xxxxxxxx FAILED: R15=rc**

**Explanation:** One of the following MVS name/token services requests failed:
- CREATE, IEANTCR (name/token create)
- RETRIEVE, IEANTRT (name/token retrieve)
- DELETE, IEANTDL (name/token delete)

The return code `rc` is documented in the IBM manual *MVS Programming: Assembler Services Reference*, which contains the relevant system action. Each of the name/token services requests `xxxxxxxx` is in a separate section of the publication, which also contains the possible values for the return code `rc` for that request.

**Corrective Action:** If you have any difficulty interpreting the IBM publication, contact your INCONTROL administrator.

**CTMJ A8E PARAMETER (DATA SET NAME) LENGTH ERROR - DATA SET TRIGGERING REQUEST ABORTED**

**Explanation:** The data set name used as a CONNECT DIRECT interface trigger was not specified, or was longer than 44 characters.

The interface module aborts the request.

**Corrective Action:** Specify an appropriate data set name trigger, then retry the request.

**CTMJ A9S IOACPRM TABLE MISSING - DATA SET TRIGGERING REQUEST ABORTED**

**Explanation:** The CONNECT DIRECT interface module attempted to read the IOACPRM table, and failed.
Possible causes are:

- the IOACPRM table is not present in the PARM library
- the internal format of the table is invalid

The interface module aborts the request.

**Corrective Action:** Check why the IOACPRM table is not in the PARM library, or why its internal format is invalid. Correct the problem and retry the request.

**Explanation:**

CTMJAAS SYSTEM LOGGER INTERFACE NOT ENABLED BY USER - DATA SET TRIGGERING REQUEST ABORTED

The system logger interface in the IOACPRM table was not enabled.

**Corrective Action:** Change the value of SYSTLOGR in the IOACPRM table to Y.

**Explanation:**

CTMJABW SYSTEM LOGGER INTERFACE NOT OPERATIVE - DATA SET TRIGGERING REQUEST PROCESSED BY IOADDR

The System Logger interface is not enabled (SYSTLOGR parameter value in the IOACPRM parameters member is set to 'N') so IOADDC cannot pass the data set name argument to Control-M by the System Logger.

Instead of passing the data set name argument to Control-M using the System Logger, IOADDC directly calls to IOADDR to trigger the corresponding data set event. For more information, see the Control-M chapter in the *INCONTROL for z/OS Administration Guide*.

**Corrective Action:** If required, set up the System Logger interface. For information on setting up the System Logger, see the Control-M chapter in the *INCONTROL for z/OS Installation Guide*.

**Explanation:**

CTMJACI qName QNAME TABLE ENTRY SUCCESSFULLY REGISTERED

The IOADDI job successfully registered the *qName* QNAME table entry.

**Corrective Action:** No action is required.

**Explanation:**

CTMJADE cbName CONTROL BLOCK CREATION ERROR - REGISTRATION ABORTED

The IOADDI job was unable to build the *cbName* system-wide control block.

The IOADDI job does not register the required IOA installation.

**Corrective Action:** Rerun the IOADDI job for the required IOA installation, and verify that it was successful.

**Explanation:**

CTMJ AEE NO AVAILABLE ENTRIES IN QNAME TABLE - REGISTRATION ABORTED

The IOADDI job was unable to register the required IOA installation because no remaining QNAME table entries are available.
The IOADDI job does not register the required IOA installation.

**Corrective Action:** Delete any entries in the QNAME table that are no longer required. If all existing entries are required, prepare the Control-M monitor full output and contact BMC Customer Support.

**Messages CTMK00 through CTMKxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTMK40I PRIORITY PROPAGATION PROCESS STARTED**

**Explanation:** This information message indicates that the Priority Propagation process has been started by the Control-M monitor.

**Corrective Action:** No action is required.

**CTMK41I PRIORITY PROPAGATION PROCESS ENDED**

**Explanation:** This information message indicates that the Priority Propagation process has ended.

**Corrective Action:** No action is required.

**CTMK41S FILE ALLOCATED TO DDNAME "DAG2M" IS NOT YOUR CONTROL-M COMMUNICATION FILE**

**Explanation:** The data set described by the DAG2M DD statement is not the communication file of this IOA installation. The file allocated to the DAG2M DD statement contains a different queue name from the one specified by IOA Installation Parameters.

Sysout transmission is suspended.

**Corrective Action:** Correct the problem and restart the job.

**CTMK42E INSUFFICIENT STORAGE FOR CALCULATION**

**Explanation:** The Control-M monitor did not have enough storage for either the Deadline Scheduling Calculation process or for the Priority Propagation process.

The process is aborted.

**Corrective Action:** Increase the storage for the Control-M monitor.

**CTMK43W WAITING FOR DEPENDENCIES FILE. DDNAME "ddName"**

**Explanation:** The Control-M monitor cannot access a file because it is being used by another component. The monitor requires exclusive access to the file.

The monitor waits for the file to be released.

**Corrective Action:** Check who is holding the file and have it released.
CTMK44E CANNOT ISSUE ENQ FOR COMMUNICATION FILE. DDNAME "DAG2M"

**Explanation:** ENQ for the remote sysout tracking communication file failed. The communication file allocated to this DD name is allocated to another tracker, or another IOA installation uses the same qname.

Sysout tracking is suspended.

**Corrective Action:** Correct the problem, and restart the task again.

CTMK44S QNAME MISMATCH IN DEPENDENCIES FILE

**Explanation:** The Dependencies file allocated to the Control-M monitor does not belong to the current installation.

The process is aborted.

**Corrective Action:** Verify that the correct Dependencies file is allocated to the Control-M monitor through the DAGRAPH DD statement.

CTMK45I *numRecd* JOBS RECEIVED HIGHER PRIORITY. *numHeld* JOBS HELD

**Explanation:** This is one of two messages with the same ID, but different text.

This information message is issued when the Priority Propagation process ends. The message indicates the number of jobs that received higher priority, and the number of jobs whose priority was not changed, that is, were held.

**Corrective Action:** No action is required.

CTMK46I DEADLINE SCHEDULING PROCESS STARTED

**Explanation:** This information message indicates that a request to resolve all deadline scheduling requests was received either from a modify command, or from a user entering command REFRESH in the Jobs Dependencies screen.

The Control-M monitor resolves all deadline scheduling definitions.

**Corrective Action:** Wait for message JDLK47I or CTMK47I, to signal the end of the process.

CTMK47E INVALID RC FROM CTMG2M, FUNCTION=func RC=rc

**Explanation:** Invalid return code from the CTMG2M internal module. The return code was not one typically expected after the particular routine.

The variables in this message are:

- `func` - the function in which the error occurred
- `rc` - the return code from CTMG2M

Sysout transmission is suspended.

**Corrective Action:** Notify your INCONTROL administrator.
CTMK47I DEADLINE SCHEDULING PROCESS ENDED

Explanation: This information message indicates that the Control-M monitor successfully finished resolving all deadline scheduling definitions. This message is accompanied by message JDLK48I or CTKM48I which displays the number of updated jobs.

Corrective Action: No action is required.

CTMK48I num1 JOBS DUE OUT TIME UPDATED. num2 JOBS HELD/FINISHED

Explanation: This information message indicates that the Control-M monitor successfully finished resolving all deadline scheduling definitions.

The variables in the message are:
- num1 - the number of jobs with DUE OUT times that were updated
- num2 - the number of jobs that were not updated, because
  - the job was held
  - the job ended
  - the job record was not available for change

This message follows the CTKM47I message.

Corrective Action: No action is required.

CTMK48S LOADING OF CTMCSI FAILED

Explanation: Loading of the CTMCSI module failed. Possible causes are:
- The IOA LOAD library is not in the load modules search list.
- Insufficient memory is available to load the CTMCSI member.
- The CTMCSI module does not exist in the LOAD library.

Sysout transmission is suspended.

Corrective Action: Correct the problem and restart the job.

CTMK49E DEADLINE SCHEDULING FACILITY IS DISABLED. PROCESSING STOPPED

Explanation: This is one of two messages with the same ID, but different text.

A request has been made to resolve deadline scheduling, but the Deadline Scheduling Facility has not been enabled in the Control-M defaults member.

Deadline scheduling is not performed.

Corrective Action: Ask your INCONTROL administrator to enable the Deadline Scheduling Facility in the Control-M default parameters member.
CTMK50I INITIALIZATION OF DEPENDENCIES FILE COMPLETED

Explanation: This information message indicates that the Dependencies file was successfully formatted and is ready for use. The current dependencies between jobs can be viewed after entering the REFRESH command from the appropriate screen.

Corrective Action: No action is required.

CTMK50S CONTROL-M COMMUNICATION FILE WAS NOT BUILT

Explanation: Control-M communication file could not be created.

The job terminates with errors.

Corrective Action: Look for a earlier error message that describes the cause of the error.

CTMK51I BUILDING OF CONTROL-M COMMUNICATION FILE ENDED

Explanation: This information message is the normal termination message issued after formatting the Control-M communication file.

Corrective Action: No action is required.

CTMK52E OPEN OF CONTROL-M COMMUNICATION FILE FAILED. DDNAME "DAG2M"

Explanation: Open of data set referenced by the DAG2M DD statement failed. The data set described by the DAG2M DD statement is the communication file between the Receiver and Control-M monitor.

If the message occurred under the Receiver address-space, the sysout transmission is suspended. If the message occurred under Control-M monitor, the monitor shuts down.

Corrective Action: Correct the problem, and restart the job.

CTMK53E I/O ERROR IN CONTROL-M COMMUNICATION FILE. DDNAME "DAG2M"

Explanation: I/O error occurred while working with the Control-M communication file. The data set described by the DAG2M DD statement is the communication file between the Receiver and Control-M monitor. This error is issued when an error occurred during a read or write operation.

If the message occurred under the Receiver address space, the sysout transmission is suspended. If the message occurred under the Control-M monitor, the monitor shuts down.

Corrective Action: Verify that the JCL for the data set is referred to by the DAG2M DD statement. If so, format the data set. To build the FORMG2M job, use the TAILOR JOB option, available from ICE by selecting MAINTAIN YOUR ENVIRONMENT => ICE REFRESH=> OPTION 3.

CTMK53S TOO MANY INTERJOB CONNECTIONS

Explanation: The number of prerequisite conditions for dependency calculations exceeds the maximum number supported. The maximum number of conditions is ten times the maximum number of records in the Active Jobs file.

The dependency calculation process is aborted.
**Corrective Action:** Increase the size of the Active Jobs file.

**CTMK55W DEADLINE SCHEDULING INTERNAL ERROR - DIAGNOSTIC DUMP PRODUCED**

**Explanation:** The Control-M monitor encountered an internal error during REFRESH processing in the Control-M Active Environment screen.

The system produces a diagnostic dump, and continues processing.

**Corrective Action:** Ask your system programmer to record the error message, the diagnostic dump, and the Control-M monitor full output; and contact BMC Customer Support.

**CTMK56E "DACOMPRM" CONTAIN INVALID CARD sequential_num DATA=data**

**Explanation:** The $GTWMPRM member in the IOA COMMCTRL library, which was referenced by the DACOMPRM DD statement, contains an invalid statement. This member contains SYSDATA sysout tracking and transfer parameters.

The variables in this message are:
- `sequential_num` - the relative number of the invalid statement in the member
- `data` - the contents of the invalid statement

Sysout transmit is suspended.

**Corrective Action:** Correct the invalid statement, and restart the job.

**CTMK56S INVALID INPUT TO SHIFT. DATA SHOULD BE +NNN/-NNN**

**Explanation:** The user specified invalid parameters for operator command SDOUT.

The operator command is ignored.

**Corrective Action:** Specify valid parameters for operator command SDOUT. See the Control-M chapter of the INCONTROL for z/OS Administrator Guide for a details about this operator command.

**CTMK57E "DACOMPRM" CONTAINS DUPLICATE CARD sequential_num DATA=data**

**Explanation:** The $GTWMPRM member in the IOA COMMCTRL library, which was referenced by the DACOMPRM DD statement, contains a duplicate statement. This member contains SYSDATA sysout tracking and transfer parameters.

The variables in this message are:
- `sequential_num` - the relative number of the duplicate statement in the member
- `data` - the contents of the duplicate statement in the member

Sysout transmit is suspended.

**Corrective Action:** Correct the problem, and restart the job.
CTMK57I  *shiftnum* JOBS DUE-OUT TIME SHIFTED.  *heldnum* JOBS HELD

**Explanation:** This information message is issued after successful execution of operator command SDOUT.

The variables in this message are:

- *shiftnum* - the number of jobs for which the DUE OUT time was shifted the requested number of minutes
- *heldnum* - the number of jobs that are currently in HELD status and were therefore not shifted

**Corrective Action:** No action is required.

CTMK58E UNABLE TO OPEN PARAMETER FILE. DDNAME "DACOMPRM"

**Explanation:** Unable to open the $GTWMPRM member in the IOA COMMNTL library, which was referenced by the DACOMPRM DD statement. This member contains SYSDATA sysout tracking and transfer parameters.

Sysout transmit is suspended.

**Corrective Action:** Correct the problem, and restart the job.

CTMK59E PARAMETER FILE IS EMPTY. DDNAME "DACOMPRM"

**Explanation:** The $GTWMPRM member in the IOA COMMNTL library, which was referenced by the DACOMPRM DD statement, is empty. This member should contain SYSDATA sysout tracking and transfer parameters.

Sysout transmit is suspended.

**Corrective Action:** Correct the problem, and restart the job.

CTMK60E PARAMETER parm DOES NOT EXISTS IN "DACOMPRM" FILE

**Explanation:** The parm mandatory parameter does not exist in the $GTWMPRM member in the IOA COMMNTL library, which was referenced by the DACOMPRM DD statement. This member contains SYSDATA sysout tracking and transfer parameters. The parm parameter is mandatory.

Sysout transmission is suspended.

**Corrective Action:** Add the missing parameter to the $GTWMPRM member in IOA COMMNTL library, and restart the job.

Messages CTML00 through CTMLxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTML00I  CONTROL-M MONITOR monName PROCESSING SUSPENDED

**Explanation:** This information message indicates that the Control-M monitor has stopped processing jobs temporarily to allow the New Day procedure to begin execution.

Control-M suspends processing at the time specified in CTMPARM to allow the New Day procedure to run.
The Control-M monitor remains suspended until the New Day procedure ends. At the successful completion of the New Day procedure, the monitor resumes normal execution.

**Corrective Action:** No action is required.

**CTML01I CONTROL-M MONITOR monName PROCESSING RESUMED**

**Explanation:** In general, this message indicates that the Control-M monitor resumed processing jobs after the New Day procedure completed successfully. However, under the Control-M monitor operator command `/F CTMTRLM,NEWDAY=NOW,ORDERONLY`, this message can appear before the Newday procedure ends.

**Corrective Action:** No action is required.

**CTML02I CONTROL-M MONITOR monName NEW DAY PROCEDURE COMPLETE**

**Explanation:** This message indicates that all phases of New Day Processing for the specified monitor ended successfully. However, under the Control-M monitor operator command `/F CTMTRLM,NEWDAY=NOW,ORDERONLY`, this message can appear before the Newday procedure ends.

The Control-M monitor resumes execution.

**Corrective Action:** No action is required.

**CTML03W START OF NEW DAY PROCEDURE NOT DETECTED**

**Explanation:** Highlighted, unrollable message.

The Control-M monitor received no indication that the New Day procedure began processing.

The Control-M monitor requests the start of the New Day procedure, and periodically checks the progress of the procedure. This message is issued when the monitor does not receive any indication that the New Day procedure started executing.

A common cause for this message is that the CTMCHK program, which runs at the beginning of the New Day procedure, has detected that the New Day procedure has already been run.

The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** No action is required.

**CTML04W NEW DAY END OF AJF FORMATTING NOT DETECTED**

**Explanation:** Highlighted, unrollable message.

The Control-M monitor detected that the formatting of the Active Jobs file (AJF) did not complete successfully within a specified time interval.

The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** No action is required.

**CTML05W NEW DAY PROCEDURE ERROR - PHASE phase_num**

**Explanation:** Highlighted, unrollable message.
During follow-up of the New Day procedure, the Control-M monitor detected an abnormal condition. The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** Reply R for retry. If the message is reissued, note the phase number and reply E to terminate the monitor. To reactivate the monitor, run the Control-M New Day procedure, and when it completes successfully, restart the monitor. Give BMC Customer Support the phase number specified in this message and the Control-M monitor full output.

**CTML06W REPLY "R" FOR RETRY OR "E" FOR END**

**Explanation:** Highlighted, unrollable message.

While checking the progress of the New Day procedure execution, the Control-M monitor detected an error.

This message is accompanied by a message explaining the cause of the problem.

The Control-M monitor waits for a reply to this message.

**Corrective Action:** Type R or E and press Enter, with the following results:

- R - the Control-M monitor waits an additional interval. Issue this reply after all problems with the New Day procedure are resolved so that the monitor will resume normal execution.
- E - the Control-M monitor stops execution

**CTML07W CONTROL-M MONITOR monName WAITING FOR NEW DAY PROCEDURE**

**Explanation:** Normal message of Control-M monitor when it stops processing jobs temporarily to allow the New Day procedure to begin execution.

Control-M suspends processing at the time specified in CTMPARM to allow the New Day procedure to run. The Control-M monitor remains suspended until the New Day procedure is successfully completed. Upon successful completion of the New Day procedure, the monitor resumes normal execution.

**Corrective Action:** No action is required.

**CTML08W END OF NEW DAY PROCEDURE NOT DETECTED**

**Explanation:** Highlighted, unrollable message.

Control-M monitor found no indication that New Day procedure completed execution. The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** No action is required.

**CTML09E DUAL FILES ALLOCATION ERROR. PROCESSING CONTINUES DUE TO SYSTEM PARAMETERS**

**Explanation:** Highlighted, unrollable message.

Allocation of the dual IOA Conditions file or the dual Active Jobs file (AJF) failed, but processing continues because system parameters have indicated that this condition should be ignored.
Wish WM1944 in the IOADFLTS member of the DOC library was activated to allow an allocation error for dual files to be ignored. (If the wish has not been applied when an allocation error occurs, Control-M terminates execution.)

The Control-M monitor continues normal execution.

**Corrective Action:** If you require dual file processing:

- Bring down the Control-M monitor;
- Determine the cause of the allocation error and correct it;
- Bring up and reactivate the Control-M monitor.

**CTML0AI RUNL0AI NEWDAY PARAMETERS SET:** *expression*

**Explanation:** This message is issued in response to the following operator command:

\[ F \text{ CONTROLM, NEWDAY=} expression \]

Special NEWDAY processing is performed as specified in *expression*. For more information, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

**Corrective Action:** No response required.

**CTML0BI NEWDAY PROCESS SCHEDULED FOR hh:mm WILL BE BYPASSED**

**Explanation:** In response to the \[ F \text{ CONTROLM, NEWDAY=} SKIP \] operator command, Newday processing is skipped.

NEWDAY processing normally scheduled to begin at *hh:mm* is bypassed due to the special NEWDAY command. For more information regarding the special NEWDAY commands, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

**Corrective Action:** No response required.

**CTML0CI NEWDAY PROCESS HAS BEEN BYPASSED**

**Explanation:** This informational message is issued at the time scheduled for Newday processing (according to the DAYTIME parameter in CTMPARM). Newday processing is skipped as a result of one of the following commands:

- \[ F \text{ CONTROLM, NEWDAY=} SKIP \]
- \[ S \text{ CONTROLM, NEWDAY=} SKIP \]

Newday processing is skipped. For more information regarding the special NEWDAY commands, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

**Corrective Action:** No response required.

**CTML0DE NEWDAY COMMAND NOT 'SKIP' - IGNORED**

**Explanation:** The \[ S \text{ CONTROLM, NEWDAY=} expression \] command was entered with an invalid value of *expression*. In this command, the only valid value for *expression* is SKIP. For more information, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

The command is ignored.
**Corrective Action:** Correct and re-enter the NEWDAY command.

**CTML10I RESUME REQUEST ACCEPTED**

**Explanation:** This information message indicates that the RESUME request submitted by the user has been accepted.

**Corrective Action:** No action is required.

**CTML11W AJ F/CONDITION JOURNALING DISABLED**

**Explanation:** The Control-M monitor stopped journaling updates to the Active Jobs file due to a detected error.

The error which caused journaling to be terminated is described in earlier messages.

WTOR message CTML12W is displayed, enabling the user to continue without the Journal facility or to shut down the Control-M monitor.

**Corrective Action:** Respond to message CTML12W.

**CTML12W REPLY ‘C’ CONTINUE WITHOUT JOURNALING, ‘I’ INITIALIZE, OR ‘E’ END**

**Explanation:** This WTOR message is displayed when the Control-M Journaling facility is shut down.

This message may be preceded by messages explaining the reason for Journaling facility shutdown. This message also appears after running the restoration utility successfully to provide an opportunity to reset the journal file. The user can run the restoration utility repeatedly (perhaps to different endtimes) before initializing the journal file.

Responses to this WTOR message allow the user to continue Control-M without journaling, or to shut down Control-M so that a problem can be fixed.

The Control-M monitor waits for a reply to this message.

**Corrective Action:** See preceding messages for information describing why journaling was stopped.

Specify one of the following values as a response to this message:

- **C** - Continue normal execution without updating the Journal file. Restoration of the Active Jobs file will not include updates made after Journaling was stopped.
- **I** - Re-initialize the journal file. The Control-M monitor continues normal processing, including journaling.
- **E** - Stop execution of the Control-M monitor.

**CTML13I CONTROL-M MONITOR CONTINUING WITHOUT JOURNALING**

**Explanation:** This information message is issued when the user specified C in response to WTOR message CTML12W.

The Control-M monitor continues normal execution. The Journal file is no longer updated.

**Corrective Action:** No action is required.
CTML14E JOURNAL FILE IS NOT SYNCHRONIZED WITH NEWDAY PROCESSING

**Explanation:** During Control-M monitor startup, the Control-M monitor found records in the journal file that have no corresponding data in the Active Jobs file.

The Control-M monitor stops journaling, and displays message CTML12W to enable continuation without the Journaling facility, shut down of the Control-M monitor, or re-initialization of the journal file.

**Corrective Action:** Reply to message CTML12W. If the error persists after the Control-M monitor is restarted, contact your INCONTROL administrator.

CTML15E OID=orderId BAD MIJ POINTER. MIJ RBA: rba ERROR: errCode

**Explanation:** The pointer to the sysout information for a job is incorrect. This is probably caused by corrupt data on the Active Jobs File (AJF).

The incorrect pointer is cleared.

**Corrective Action:** Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support.

CTML16E COMMAND IGNORED - CURRENT fileName STATUS: fileStatus

**Explanation:** The user attempted to enable/disable the Control-M Journal or History allocation for space reuse functions. However, the current `fileStatus` status of this facility already complies with the user request.

The command is ignored.

**Corrective Action:** No action is required.

CTML16I FOLLOWING BYPASS OPTIONS SET FOR THIS JOB:
bypassOptions

**Explanation:** This information message indicates that the job's Bypass options have been changed by an online user, and lists the Bypass options that are currently set for this job (or NONE if no Bypass options are currently set).

**Corrective Action:** No action is required.

CTML17I CURRENT ACTIVE JOBS FILE UTILIZATION: nnn%

**Explanation:** This information message is issued in conjunction with message CTM863W, which indicates that the Active Jobs file (AJF) is nearly full. Both messages are issued when the threshold value specified by the AFTHRSH CTMPARM parameter is reached.

**Corrective Action:** Increase the size of the AJF using the CTMCAJF utility.

CTML18I COMMAND RECEIVED: cmd

**Explanation:** This information message displays the MODIFY command entered for the Control-M monitor.

**Corrective Action:** No action is required.
CTML19I QUIESTIME IS SET: yyyy

Explanation: This information message displays the current value of QUIESTIME (the Control-M monitor planned shutdown time), where yyyy is one of the following values:

- hhmm - the planned shutdown time set by the QUIESTIME command
- NOW - the submission of any job has been stopped
- OFF - all QUIESTIME requests have been cancelled

This message is added to the IOA Log.

Corrective Action: No action is required.

CTML31E NO SPACE FOR QUANTITATIVE RESOURCE resourceName. NOTIFY YOUR IOA ADMINISTRATOR

Explanation: A resource (resourceName) could not be acquired because the Quantitative Resource List is full.

Resource acquisition is delayed until enough space is regained in the Quantitative Resource List in the Control-M Resources file. This message is not issued more often than once a minute.

Corrective Action: Ask your INCONTROL administrator to increase the logical record length of the Control-M Resources file. If the logical record length is already set to the maximum length allowed, wait until previously acquired quantitative resource entries are freed when jobs end. A third alternative is to have the INCONTROL administrator make more room available by deleting unused quantitative resource definitions.

CTML32E INVALID "SNRSDRNG" PROFILE VALUE. DEFAULT USED

Explanation: The value of profile variable SNRSDRNG is invalid. Profile variable SNRSDRNG is used to establish a different date range in the Manual Conditions file.

The default value for the variable is used.

Corrective Action: Correct the value of this variable to ALL, MONTH, or ddd, where ddd is a number of days.

CTML33E INVALID "SRESDRNG" PROFILE VALUE. DEFAULT USED

Explanation: The value of profile variable SRESDRNG is invalid. Profile variable SRESDRNG establishes a different date range in the IOA Conditions file.

The default value for the variable is used.

Corrective Action: Correct the value of this variable to ALL, MONTH, or ddd, where ddd is a number of days.

CTML38S ERROR READING MEMBER tbl_mem FROM DATASET lib. RC=rc.

Explanation: Reading the tbl_mem table member failed.

The order request could not be done either because the library did not exist, or could not be allocated, or the table member was not found.
The CTMJOB program ends with errors.

**Corrective Action:** Check that the order request is given to an existing 80-bytes record length library, and the member can be accessed. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.

**CTML39E INVALID DATE date IN ORDER REQUEST**

**Explanation:** The date specified in the order request is not a valid date.

The CTMJOB program ends with errors.

**Corrective Action:** Check that the specified date is specified correctly according to your installation standards.

**CTML40E JOB jobName NOT FOUND IN TABLE tbl_mem DSN lib**

**Explanation:** The jobName job was not found in the member specified in the order request.

The keyword job causes a selective order to be made for one job from the table member. This message is issued if the specified job cannot be found.

The CTMJOB program ends with errors.

**Corrective Action:** Check that the specified job exist inside the table member.

**CTML41E MISSING OBLIGATORY PARAMETER keyName IN ORDER REQUEST**

**Explanation:** The specified parameter was not given in the order request.

Some parameters are obligatory in each order request. Failing to specify one of them results in this message being issued.

The CTMJOB program ends with errors.

**Corrective Action:** Supply the missing parameter.

**CTML42E MUTUALLY EXCLUSIVE KEYWORDS SPECIFIED IN ORDER REQUEST**

**Explanation:** Two keywords which are mutually exclusive where given in the same order request.

Certain keywords, such as DSNAME and DDNAME, cannot appear together on the same order request.

The CTMJOB program ends with errors.

**Corrective Action:** Specify one of the keywords.

**CTML43I NEW DAY PROCEDURE COMPLETED SUCCESSFULLY**

**Explanation:** This information message indicates that the New Day procedure ended successfully. The CTMEDA program is executed as the last step in the New Day procedure to inform the Control-M monitor that the procedure ended successfully.

The Control-M monitor resumes execution.

**Corrective Action:** No action is required.
CTML43W DASTAT DD CARD MISSING

Explanation: The DASTAT DD statement is missing from the file allocation of the job step.
This warning message is issued by the CTMJOB program.
The Automatic Tape Adjustment facility is skipped. Jobs are ordered, but required resource quantities are not computed for these jobs.
Corrective Action: Add the DASTAT DD statement for future runs.

CTML44E NEW DAY PROCEDURE ENDED WITH ERRORS

Explanation: Highlighted, unrollable message.
The last phase in the New Day procedure, the CTMEDA program, ended with errors. This message follows a message that describes the specific cause of the error.
The Control-M monitor remains in a suspended state.
Corrective Action: Correct the error according to the description in the previous message and rerun the New Day procedure to invoke the CTMEDA program.

CTML44W AUTO TAPE DRIVE RESOURCE ADJUSTMENT IS BYPASSED DUE TO PREVIOUS MESSAGE

Explanation: This warning message indicates that the Automatic Tape facility cannot adjust resources for jobs currently being processed.
This is a summary message. It is preceded by a message that describes the reason for the error.
The Automatic Tape Adjustment facility is skipped. Jobs are ordered without computing the quantity of required resources.
Corrective Action: View the error message that precedes this message and correct the problem described there.

CTML45E ERROR ANALYZING PARM MEMBER "UNITDEF" AT LINE lineNum

Explanation: An invalid definition was found in the UNITDEF parameter member.
The UNITDEF parameter member associates logical names to physical resources.
In this message, lineNum is the line number in the UNITDEF parameter member where the error occurred.
Resource definition example in the UNITDEF file:
CARTRIDGE=(0480-0483,0440-0445,0300-031F,0552-0553,0556-0557),DESC=3490 RANGE
The Automatic Tape Adjustment facility is skipped. Jobs are ordered without computing the required amount of resources.
Corrective Action: Correct the error at the specified line. View the description in the UNITDEF file supplied during the installation.

CTML46W DAUNITDF DD CARD MISSING

Explanation: The UNITDF DD statement is missing.
This warning message is issued by the CTMJOB program.
The Automatic Tape Adjustment facility is skipped. Jobs are ordered without computing the required amount of resources.

**Corrective Action:** Add the UNITDEF DD statement to the JCL stream.

**CTML47S GETMAIN FAILED IN CTMATD AUTO TAPE PROCESSING**

**Explanation:** The Control-M Daily Subsystem stopped due to insufficient memory.
The Daily job stops execution.

**Corrective Action:** Increase the region size defined in the Daily job and rerun the job.

**CTML49W NOT ALL CONDITIONS IN JOB COULD BE ADJUSTED**

**Explanation:** The requirement for prerequisite conditions for a job which is part of a group were not deleted.

This message accompanies message JOBL48W.
The job is ordered prerequisite condition requirement intact.

**Corrective Action:** Determine if the condition prevents the job from running. If so, add the required condition manually in screen 4 or erase the requirement for the condition from the job in zoom screen 3.Z.

**CTML56E SPECIFY EITHER JCL LIBRARY OR SCHEDULE LIBRARY INFORMATION**

**Explanation:** Parameters were specified for both the JCL library mode and the scheduling library mode. Only one mode can be used at a time. The AutoEdit simulation program processes only one mode per invocation. The mode is determined by the first type of input parameter encountered.

**Corrective Action:** Delete all parameters pertaining to the mode to be ignored.

**CTML61E COPY TO HISTORY FILE FAILED: rsn REASON CODE: rc**

**Explanation:** An error occurred while copying records from the Active Jobs file to the History Jobs file.
The variables in this message are:
- *rsn* - the cause of the error.
- *rc* - the reason code, containing additional information in certain cases

The Control-M New Day procedure terminates.

**Corrective Action:** Correct the cause of the error and rerun the Control-M New Day procedure. The enhanced checkpoint record can be used to continue the New Day procedure processing from the point at which the error occurred.
CTML63E HISTORY FILE PROCESSING MODULE NOT FOUND

**Explanation:** The attempt to load the CTMHCP or CTMFRH module failed. The name of the module that was not loaded appears in a previous error message. The load may have failed because the module does not exist in the IOA Load library.

The Control-M New Day procedure terminates.

**Corrective Action:** If History Jobs file processing is specified in the CTMPARM member, verify that the IOA Load library contains the required module.

CTML64I CTMFRM IS RUNNING IN HISTORY FILE CLEANUP MODE

**Explanation:** This information message indicates that the CTMFRM utility is currently cleaning the History Jobs file.

**Corrective Action:** No action is required.

CTML65W HISTORY FILE FREESPACE THRESHOLD REACHED

**Explanation:** This message is issued during New Day processing when there is insufficient free space in the History file to accommodate the entire Active Jobs file (AJF). The History file becomes full and New Day processing stops.

New Day processing stops.

**Corrective Action:** Do the following:
1. Use the CTMHCLN utility to clean the History file.
2. If the error message is still displayed, use the CTMHCOP utility to increase the size of the History file.

CTML66S OPEN OF CONTROL-M HISTORY FILE FAILED. DDNAME "DAHIST"

**Explanation:** The Control-M History Jobs file (HST) defined in the DAHIST DD statement could not be opened. The New Day procedure calls the program that issues this message. A possible cause of this message is that the DAHIST DD statement is missing.

Program execution stops with a condition code of 08.

**Corrective Action:** Add the statement KEY=DAHIST to the ALCMDAS member in the IOA ENV library, and rerun the DELARCH step of the New Day procedure.

CTML67S INTERNAL ERROR - ARCHIVED SYSOUT POINTER IS INVALID. ORDERID: jobId

**Explanation:** During the New Day procedure, the Control-M Active Jobs file (AJF) was found to be corrupt, due to an internal error. The archived sysout of a job cannot be read.

In this message, **jobId** is the identity of the job that produced the archived sysout that cannot be read.

The New Day procedure does not delete the archived sysout for the **jobId** job.

**Corrective Action:** No action is required.
CTML71E  INVALID RECORD FOUND ON AJF - FILE USAGE VERIFICATION SKIPPED

**Explanation:** The CDAM file deletion utility detected an invalid record type when verifying the CDAM records in the Active Jobs file (AJF). Before deleting a CDAM file, the CDAM file deletion utility verifies that the file names in the JOBLIST file are not referenced by any jobs in the AJF.

Verification of the AJF is aborted, and deletion of CDAM files proceeds based on previous checks of the AJF.

**Corrective Action:** Check the integrity of the AJF with the IOAVERFY utility.

Messages CTMM00 through CTMMxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMM01W  AJF/CONDITIONS JOURNALING TERMINATED - RESTORATION BEYOND THIS TIME NOT POSSIBLE

**Explanation:** Logging to the journal file was terminated due to a detected error.

This message is preceded by a message indicating the cause of the error.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W, which asks the operator how the monitor should proceed.

**Corrective Action:** Respond to message CTML12W.

CTMM02I  AJF/CONDITIONS JOURNALING STARTED

**Explanation:** This information message indicates that Control-M started logging updates to the Journal file.

Changes made to the Active Jobs file and to prerequisite conditions in the IOA Conditions file are recorded in the Journal file.

**Corrective Action:** No action is required.

CTMM03E  text

**Explanation:** This message is produced if an abend occurs while Control-M is writing to the Journal file.

The Control-M monitor displays data about the abend. (meaning the text in this message).

The Control-M monitor terminates the Journaling facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W.

CTMM04I  AJF/CONDITIONS JOURNALING CLOSED NORMALLY

**Explanation:** This information message indicates that Control-M Journaling ended normally.

The Journaling facility was terminated in response to an operator command, or as part of Control-M shutdown.
Corrective Action: No action is required.

CTMM05S AJF/CONDITIONS JOURNALING INITIALIZATION FAILURE

Explanation: The Control-M journaling facility could not be started because the Journal file or another file required for journaling could not be opened.

The above message describes the reason for the problem.

The Control-M monitor terminates the Journaling facility and displays WTOR message CTML12W, which asks the operator whether to continue without journaling or shut down the Control-M monitor.

Corrective Action: Respond to message CTML12W.

CTMM06S JOURNAL FILE RECORD 0 FORMAT ERROR

Explanation: The record length of the Control-M journal file was incorrect.

This message is preceded by a message describing the specific cause of the problem.

The Control-M monitor terminates the Journaling facility and displays WTOR message CTML12W, which asks the operator whether to continue without journaling or to shut down the Control-M monitor.

Corrective Action: Respond to message CTML12W.

CTMM07S JOURNAL/AJF MISMATCH: FIELD=fldname

Explanation: The Control-M Journaling facility could not be started because the specified journal file does not match the Active Jobs file used by the Control-M monitor.

In this message, fldname is the name of the field in the Active Jobs file that does not match the corresponding field in the Journal file.

The Control-M monitor terminates the Journaling facility and displays WTOR message CTML12W.

Corrective Action: Respond to message CTML12W.

CTMM08S GETMAIN FAILURE IN PROGRAM progname

Explanation: Sufficient storage could not be obtained for Journal file processing.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W. CTML12W asks the operator to either continue without journaling or shut down the Control-M monitor.

Corrective Action: Respond to message CTML12W.

CTMM09S BUFFER OVERFLOW ERROR

Explanation: An internal error was detected during Journal file processing.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W.

Corrective Action: Respond to message CTML12W. Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMM10S LUW RECORD GENERATION ERROR

Explanation: A error occurred while writing the LUW syncpoint record to the Journal file.
The LUW syncpoint record is the last synchronization point in the Journal file and verifies the completion of all records previously recorded in the Journal file. Without the LUW syncpoint record, records in the Journal file cannot be verified as complete.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W.

CTMM12E JOURNAL FILE DCB ABEND EXIT INVOKED: SYSTEM CC='sys', RC=rc

**Explanation:** An abend occurred while writing to the Journal file.

In this message, sys and rc are the system codes and return codes which describe the abend.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W.

CTMM15I AJF/CONDITIONS JOURNALING ACTIVITY SUSPENDED

**Explanation:** This information message indicates that journaling has been suspended due to New Day processing.

During New Day processing, Control-M always suspends writing to the Journal file.

Journaling is automatically resumed after completion of New Day processing.

**Corrective Action:** No action is required.

CTMM16I AJF/CONDITIONS JOURNALING ACTIVITY RESTORED

**Explanation:** This information message indicates that Control-M resumed writing to the Journal file after completing New Day processing.

**Corrective Action:** No action is required.

CTMM16S INSUFFICIENT MEMORY FOR IOA FUNCTIONAL MONITOR

**Explanation:** The available storage is insufficient for execution of the Functional monitor.

The Functional monitor shuts down.

**Corrective Action:** Increase the region size and restart the Functional monitor.

CTMM17S AJF/CONDITIONS JOURNAL SEARCH FAILURE

**Explanation:** An error was encountered during a search of the Control-M Journal file.

During Control-M monitor startup, the journal file is searched for data that may have been added to the Active Jobs File while the Control-M monitor was down.

The Control-M monitor stops journaling and displays WTOR message CTML12W.

**Corrective Action:** Reply to message CTML12W, which follows.
CTMM20S  INTERNAL ERROR IN FUNCTIONAL MONITOR.  RC=rc

**Explanation:** The Functional monitor encountered a severe internal error.
The Functional monitor shuts down.

**Corrective Action:** Have your system programmer contact BMC Customer Support.

Messages CTMO00 through CTMOxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMO001E  ERROR IN SENDING COMMAND TO CONTROL-M MONITOR.
REASON 'rsn1' CODES text1, text2 / text3

**Explanation:** The Control-M Local monitor or Control-M Application Server did not successfully issue an operator command to another Control-M monitor.
The command is not processed by the target Control-M monitor.

**Corrective Action:** Keep the REASON and CODES displayed by the message and contact BMC technical support for assistance. The required operator command may be usually issued manually for the target Control-M monitor.

Messages CTMR00 through CTMRxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMR001W  Control-M AJF SPACE REUSE FACILITY WILL BE ACTIVATED AFTER NEWDAY, AJF FORMAT OR COMPRESS

**Explanation:** The AJF Space Reuse Facility was enabled by the user, but the AJF has not yet been formatted to include the special index records required to manage the AJF Space Reuse Facility.
The AJF Space Reuse Facility will be activated automatically by Control-M after the upcoming New Day process.

**Corrective Action:** No action is required.

CTMR002E  CONTROL-M AJF SPACE REUSE FACILITY DISABLED.  REASON rsn

**Explanation:** Internal facility-wide errors were encountered in the AJF Space Reuse Facility.
The possible values of *rsn* are explained in the following table:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRONG MIF</td>
<td>Invalid index record detected</td>
</tr>
</tbody>
</table>
The AJF Space Reuse Facility is disabled.

**Corrective Action:** Do the following:
- Contact BMC Customer Support.
- To reactivate the AJF Space Reuse Facility, format or compress the AJF and recycle the Control-M monitor.

CTMR03I JOB jobName ORDERID orderId PERMANENTLY DELETED FROM AJF

**Explanation:** This information message indicates that the AJF Space Reuse Facility is active and, as expected, deleted an entry from the AJF.

**Corrective Action:** No action is required.

CTMR04E INTERNAL ERROR IN AJF SPACE REUSE PROCESSING FOR JOB jobName1 ORDER1d CODE rsn

**Explanation:** Internal errors were encountered in the AJF Space Reuse Facility for this job.

The possible values of `rsn` are explained in the following table:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROUP JOB</td>
<td>error in removing a job from a group</td>
</tr>
<tr>
<td>END TIME</td>
<td>error in extracting the job's end time</td>
</tr>
</tbody>
</table>

The indicated job will not be deleted from the AJF.

**Corrective Action:** No action is required.
CTMR05E AJ F SPACE REUSE FACILITY IS NOT ACTIVATED BECAUSE AJ F IS FULL

Explanation: The user formatted or compressed the AJ F, but there is no room for the special index records required to manage the AJ F Space Reuse Facility.

The AJ F Space Reuse Facility is not activated.

Corrective Action: To reactivate the AJ F Space Reuse Facility, format a larger AJ F and recycle the Control-M monitor.

CTMR06E ATTEMPTING TO REUSE ACTIVE AJ F ENTRY. AJ F SPACE REUSE FACILITY DISABLED.

Explanation: When Control-M attempted to reuse an unused job entry in the AJ F, a last-moment check indicated that the job entry slot in the AJ F was an active entry. This is an unexpected internal error.

The AJ F Space Reuse Facility is disabled.

Corrective Action: Do the following:
- Contact BMC Customer Support.
- To reactivate the AJ F Space Reuse Facility, format a larger AJ F and recycle the Control-M monitor.

CTMR07E activeJobEntrySlot

Explanation: This message displays the first 65 characters of the active job entry slot referenced by message CTMR06E.

Corrective Action: No action is required.

CTMR09E userExit CANNOT BE RELOADED BY THE RELOAD COMMAND (reason)

Explanation: The RELOAD= userExit operator command was issued by the user, but it aborted because of one of these reasons:

<table>
<thead>
<tr>
<th>reason</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT 123415</td>
<td>The user attempted to reload a module which is not CTMX001, CTMX002, CTMX003, CTMX004, or CTMX015</td>
</tr>
<tr>
<td>LINK-EDITED</td>
<td>The user attempted to reload CTMX001 but it has been link-edited by the user into CTMJOB, or the user attempted to reload CTMX002 but it has been link-edited by the user into CTMSUB</td>
</tr>
<tr>
<td>NOT FOUND</td>
<td>The user attempted to reload a user exit but it was not found in the STEPLIB concatenation</td>
</tr>
</tbody>
</table>

The RELOAD command is aborted.
Corrective Action: No action is required.

CTMR0AI userExit RELOADED. OLD=mm/dd/yy-hh.mm
NEW=mm/dd/yy-hh.mm

Explanation: This information message indicates that the userExit user exit was successfully reloaded as a result of the RELOAD= userExit operator command. The date and time of the 'old' and 'new' user exits are only accurate when the IOAEXNM userExit macro is used to provide standard entry linkage in the user exit.

Corrective Action: No action is required.

CTMR0BW taskname INT. ERR, MAYBE DELETE:
grpname appl order_id odate

Explanation: This warning message indicates that there was an internal error in taskname during the New Day procedure. As a result of this error, grpname might be deleted from the Active Jobs file.

The variables in this message are:
- grpname--the group entity name
- appl--the application to which the group entity belongs
- order_id--the order ID of the group entity
- odate--the ODATE of the group entity

Corrective Action: Send the Control-M Backup Active Jobs file and the output of the New Day procedure to technical support.

CTMR0CE 'DO REMEDY' ERROR: error

Explanation: Control-M encountered an error when attempting to execute a DO REMEDY request.

The possible values of error that can appear are explained in the following table:

<table>
<thead>
<tr>
<th>error</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>INIT FUNCTION FAILED RC = rc</td>
<td>The initialization function failed with a return code of rc.</td>
</tr>
<tr>
<td>SEND FUNCTION FAILED RC = rc</td>
<td>The send function failed with a return code of rc.</td>
</tr>
<tr>
<td>FEATURE DISABLED</td>
<td>The feature has previously been disabled.</td>
</tr>
<tr>
<td>TICKET ALREADY OPEN FOR JOB</td>
<td>A REMEDY problem ticket has already been opened for this job.</td>
</tr>
<tr>
<td>SUMMARY LINE TRUNCATED</td>
<td>The summary line was too large and was truncated.</td>
</tr>
</tbody>
</table>
**Description Line Truncated**
- The description line was too large and was truncated.

**Error in Do Remedy Codes**
- An internal error was encountered in the schedule definition.

**Corrective Action:** The following table has valid return code ($rc$) values for the error SEND FUNCTION FAILED, together with their explanations and the appropriate corrective action.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>64</td>
<td>Can not load IOAMAIL.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>68</td>
<td>Can not load IOAMEM.</td>
<td>Contact BMC Customer Support.</td>
</tr>
<tr>
<td>72</td>
<td>At REMTMPLx one of the variables which are surround by double %% are not defined, a valid variables are: SUMM, DESC, URGENCY, USER</td>
<td>Check REMTMPLx for invalid variable.</td>
</tr>
<tr>
<td>76</td>
<td>REMCONF or REMTMPLx member at IOA.PARM does not exist.</td>
<td>Check the existence of REMCONF member or REMTMPLx at IOA.PARM library or the file REMTMPS at REMCONF to suits one of the REMTMPLx.</td>
</tr>
<tr>
<td>80</td>
<td>REMCONF member at IOA.PARM is corrupted.</td>
<td>Check REMCONF member for missing single quotes or undefined fields.</td>
</tr>
</tbody>
</table>

The DO REMEDY request is aborted (or sent truncated if the summary or description was too large). Contact BMC Customer Support.

**CTMRDE 'DO REMEDY' Feature Is Disabled**

**Explanation:** Control-M encountered an error during the initialization or send function of a DO REMEDY request.

All DO REMEDY requests are aborted until Control-M is recycled.

**Corrective Action:** Contact BMC Customer Support.

**CTMR0FW INT. ERR, JOB HLD: tasknamegrpnameapplorder_idodate**

**Explanation:** This warning message indicates that there was an internal error in taskname during the New Day procedure.
The variables in this message are:

- **grpname**--the group entity name
- **appl**--the application to which the group entity belongs
- **order_id**--the order ID of the group entity
- **odate**--the ODATE of the group entity

As a result of this error, the job is put on hold and the job is longer part of group **grpname**.

**Corrective Action:** Send the Control-M Backup Active Jobs file and the output of the New Day procedure to technical support.

**CTMR11I** JOB/GROUP name ORDERID orderId COPIED TO HISTORY AJF

**Explanation:** This information message indicates that job **name**, whose order ID is **orderId**, was successfully copied to the History AJF. The job records are now available for space reuse.

**Corrective Action:** No action is required.

**CTMR12E** COPY TO HISTORY FILE FAILED: rsn REASON CODE: rc

**Explanation:** An error occurred while copying records from the AJF to the History AJF. The variables in this message are:

- **rsn** - the cause of the error
- **rc** - the reason code, which may contain additional information

History processing for space reuse jobs is disabled. Jobs having a retention period will no longer be eligible for space reuse.

**Corrective Action:** No action is required.

**CTMR13E** JOB/GROUP name ORDERID orderId

**Explanation:** This message accompanies message CTMR12E and indicates that job **name**, whose order ID is **orderId**, was being processed when the error occurred.

**Corrective Action:** No action is required.

**CTMR14E** ALLOCATION OF FILE fileName FAILED RC rc

**Explanation:** The Control-M Monitor failed to allocate the **fileName** file. The reason for the failure is described by a return code value of **rc**.

The Control-M monitor continues normal processing. Since the History file is not allocated to the Control-M monitor, jobs having a retention period will no longer be eligible for space reuse.

**Corrective Action:** Use the return code (**rc**) to determine the cause of the allocation error and use the modify command HISTALOC=ENABLE to try and allocate the History file again.
CTMR15E DEALLOCATION OF FILE fileName FAILED RC rc

Explanation: The Control-M Monitor failed to deallocate the fileName file. The reason for the failure is described by a return code of rc.

The Control-M monitor continues normal processing.

Corrective Action: Use the return code (rc) to determine the cause of the allocation error and use the modify command HISTALOC=D|ABLE to try and deallocate the History file.

CTMR16E VALUE MUST BE C(DEFAULT), V(VARYING), OR S(RUN AT SPECIFIC TIMES)

Explanation: An invalid option has been entered in the CYCLIC type field. The valid values are:
- C - A cyclic job can be submitted only at fixed intervals (such as every 5 minutes or every hour).
- V - Varying intervals when a cyclic job can be submitted (such as every 30 minutes, and every hour, and every 3 days).
- S - Specific times when a cyclic job can be submitted (such as at 9 AM, or at 2 PM).

Corrective Action: Specify C or V or S, or leave the field blank (same as entering a value of C).

CTMR21I CTMRSMF STARTED

Explanation: This information message indicates that the CTMRSMF utility has begun.

Corrective Action: No action is required.

CTMR22I CTMRSMF ENDED

Explanation: This information message indicates that the CTMRSMF utility has ended normally.
The utility terminates normally with a return code of zero.

Corrective Action: No action is required.

CTMR23S UNABLE TO OPEN SMF INPUT FILE

Explanation: The CTMRSMF utility was unable to open the input SMF file.
The utility terminates with a return code other then zero.

Corrective Action: Check the JCL to ensure that the dd statement DASMF is pointing to a valid SMF file.

CTMR24S UNABLE TO OPEN CSV OUTPUT FILE

Explanation: The CTMRSMF utility was unable to open the output .CSV file.
Processing terminates with non-zero return code

Corrective Action: Check the JCL to ensure that the dd statement DACSV is present pointing to a valid CSV file.
CTMR25S INVALID SMF RECORD - SEE SNAP

**Explanation:** During execution of the CTMRSMF utility, an invalid SMF record was encountered in the DASMF file.

The utility terminates with a return code other than zero.

**Corrective Action:** Send all the output from the CTMRSMF job to BMC technical support.

Messages CTMS00 through CTMSxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTMS001 INVALID DATE**

**Explanation:** N was specified for the CURRENT AJF option, but no alternative date was specified for the creation of a new Active Jobs file (AJF). An alternative date must be specified when the date of the current AJF is not utilized.

**Corrective Action:** Specify a valid alternate date for the generation of a simulation AJF.

**CTMS001 SIMULATION PARAMETERS ARE IGNORED WHEN "RUN SIMULATION=N"**

**Explanation:** N was specified for the RUN SIMULATION option but simulation parameters were specified. If N is specified for the simulation option, parameters specified for this option are ignored.

**Corrective Action:** If you want to generate a simulation file, select the RUN SIMULATION option.

**CTMS002 INVALID FROM-DATE. SHOULD BE YYMDDHHMM**

**Explanation:** The user specified a date in the FROM-DATE field that was not valid or not in the format yymmdhhmm.

**Corrective Action:** Enter a valid date in the format indicated.

**CTMS003 INVALID UNTIL-DATE. SHOULD BE YYMDDHHMM**

**Explanation:** The user specified a date in the UNTIL-DATE field that was not valid or not in the format yymmdhhmm.

**Corrective Action:** Enter a valid date in the format indicated.

**CTMS004 UNTIL-DATE IS EARLIER THAN FROM-DATE**

**Explanation:** The date specified in the UNTIL-DATE field precedes the date specified in the FROM-DATE field.

**Corrective Action:** Specify a valid date range.
CTMS005 "ANOTHER DAY" IS VALID ONLY WHEN "N" IS SPECIFIED FOR CURRENT AJF

Explanation: A date was specified in the ANOTHER DAY field when Y was specified for the current AJF. Either the current AJF may be used for the simulation run, or a simulation AJF may be generated for another working day. Either option may be chosen, but not both.

Corrective Action: Specify N in the CURRENT AJF field, or delete the date in ANOTHER DAY field.

CTMS006 SKELETON skelName IS NOT FOUND IN THE LIBRARY ALLOCATED TO DD "ISPSLIB"

Explanation: The skeleton libraries referenced by the ISPSLIB DD statement does not contain the skelName member.

Corrective Action: The skelName skeleton name should have been placed in the ISPSLIB concatenation during the IOA ISPF installation process. Review the installation procedure and correct accordingly.

CTMS007 SKELETON skelName IS ALREADY IN USE BY ANOTHER USER

Explanation: Skeleton skelName is currently being used by another user to generate simulation JCL.

Corrective Action: Wait until the other user has generated the JCL and try again.

CTMS008 "ORDER DAILY JOBS" AND "NEW AJF" ARE VALID ONLY WHEN "CURRENT AJF=N"

Explanation: The ORDER DAILY JOBS and CREATE NEW AJF fields are mutually exclusive with the CURRENT AJF field. Either the current AJF can be used for the simulation run, or options can be specified for a new AJF to be generated.

Corrective Action: Specify N in the CURRENT AJF field or specify N in the other two fields identified in the message.

CTMS009 INVALID COMBINATION OF PARAMETERS IN JOBSCAN SECTION

Explanation: The combination of options for JOBSCAN processing is not valid. Certain JOBSCAN options are mutually exclusive, and may not be used together. For example, JCL Listing lists the JCL along with the errors, while JCL-Listing-Errors lists only the errors.

Corrective Action: Enter a valid combination of options.

CTMS010 JOBS LEFT REPORT REQUIRE THAT "Y" BE SPECIFIED FOR "KEEP OUTPUT AJK"

Explanation: User requested the Jobs Left KSL report, but did not specify Y in the KEEP OUTPUT AJF field. When requesting the Jobs Left report from the Control-M Simulation Facility (CLIST CTMCSIM), the Active Jobs file that is output from the simulation (SIMOAJF) must be kept to run the report.

Corrective Action: Specify Y in the KEEP OUTPUT AJF field, or specify N in the JOBS LEFT field.
Messages CTMT00 through CTMTxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMT01E TIME ZONE DEFINITION MEMBER NOT FOUND. TIME ZONES ARE NOT AVAILABLE.

Explanation: No Time Zone definition member can be found in the IOA PARM library.

If this message is displayed during job or group definition, the program waits for the Time Zone field to be cleared. If this message is displayed during job or group scheduling, the job is not scheduled.

Corrective Action: Do the following:
1. Define a Time Zone member.
2. Log off TSO.
3. Log on to TSO again.
4. Enter the NEWPARM monitor command.
5. Reschedule the job.

CTMT02E THE FOLLOWING INVALID TIME ZONE DEFINITIONS ARE IGNORED:

Explanation: The Time Zone specified is not defined in the Time Zone definition member in the IOA PARM library.

This message is followed by the CTMT03E message, which identifies the Time Zones that were found to be undefined.

The job is not scheduled.

Corrective Action: No action is required.

CTMT03E text

Explanation: This information message follows the CTMT02E message.

In this message, text lists the individual Time Zones that were specified in the job scheduling definition but were found not to be defined in the Time Zone definition member in the IOA PARM library.

Corrective Action: No action is required.

CTMT04E THE TIME ZONE SPECIFIED IS INVALID

Explanation: The Time Zone specified in the job or group definition is not defined in the Time Zone member in the IOA PARM library.

The program waits for the Time Zone specification to be corrected or deleted.

Corrective Action: Correct or delete the Time Zone specification. If you modify the Time Zone member, you must also do the following:
1. Log off TSO.
2. Log on to TSO again.
3. Enter the NEWPARM monitor command.

CTMT05E JOB NOT SUBMITTED DUE TO TIME ZONE PROCESSING INACTIVE

Explanation: The job contains a Time Zone specification, but no Time Zone definition member can be found in the IOA PARM library. The job is not submitted.
Corrective Action: Do the following:
1. Define a Time Zone member.
2. Log off TSO.
3. Log on to TSO again.
4. Enter the NEWPARM monitor command.
5. Reschedule the job.

CTMT06E JOB NOT SUBMITTED DUE TO INVALID TIME ZONE timeZone

Explanation: The job contains a Time Zone specification, but the specified Time Zone is not defined in the Time Zone definition member in the IOA PARM library. The job is not submitted.
Corrective Action: Do the following:
1. Modify the Time Zone member.
2. Log off TSO.
3. Log on to TSO again.
4. Enter the NEWPARM monitor command.
5. Reschedule the job.

CTMT07E JOB NOT SUBMITTED DUE TO TIME ZONE PROCESSING FAILURE

Explanation: An internal error occurred while the Time Zone specification was being processed. The job is not submitted.
Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.
1. job.

CTMT02E THE FOLLOWING INVALID TIME ZONE DEFINITIONS ARE IGNORED:

Explanation: The Time Zone specified is not defined in the Time Zone definition member in the IOA PARM library.
This message is followed by the CTMT03E message, which identifies the Time Zones that were found to be undefined. The job is not scheduled.

**Corrective Action:** No action is required.

*CTMT08I TIME HAS CHANGED IN ACCORDANCE TO THE DST SETTING IN TIMEZONE xxx*

**Explanation:** This informational message indicates that Control-M has detected a change in the Daylight Saving Time setting in timezone xxx.

**Corrective Action:** No action is required.

*CTMT09I CTM HAS DETECTED A DYNAMIC MODIFICATION IN THE SYSTEM TIME.*

**Explanation:** This informational message indicates that Control-M has detected a change in a local time performed by an operator command.

**Corrective Action:** No action is required.

**Messages CTMU00 through CTMUxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

*CTMU01I AJF/CONDITIONS RESTORATION STARTED*

**Explanation:** This information message indicates that the CTMRSTR restoration utility has begun processing.

**Corrective Action:** No action is required.

*CTMU02I AJF/CONDITIONS RESTORATION ENDED*

**Explanation:** This information message indicates that the CTMRSTR restoration utility has completed processing.

**Corrective Action:** No action is required.

*CTMU22W AJF/CONDITIONS RESTORATION UTILITY WAITING FOR ACTIVE JOBS FILE*

**Explanation:** The restore utility could not access the Active Jobs File because it was being used by another job. The restoration utility waits until the file is accessible.

**Corrective Action:** No action is required.
Messages CTMW00 through CTMWxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTMW00E INVALID PARAMETER PASSED TO CTMWLM; WLM SRVCLASS REQUEST ABORTED

**Explanation:** CTMWLM, the Control-M workload management service class processing module, received an incomplete or incorrect parameter list.

The specific service class request is aborted.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMW01E IOAMEM GETMEM ERROR. RETURN=rc REASON=rsn

**Explanation:** CTMWLM, the Control-M workload management service class processing module, was unable to read the WLMSCTBL table in the CTM PARM library.

The specific service class request is aborted.

**Corrective Action:** Note the values of $rc$ and $rsn$, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMW02E GETMAIN FOR INTERNAL TABLE FAILED. LEN=len R15=r15

**Explanation:** CTMWLM, the Control-M workload management service class processing module, was unable to acquire enough storage to build the internal table which represents the WLMSCTBL table in the CTM PARM library.

The specific service class request is aborted.

**Corrective Action:** Note the values of $len$ and $r15$, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMW03E FREEMAIN OF OLD INTERNAL TABLE FAILED. LEN=len PTR=ptr

**Explanation:** CTMWLM, the Control-M workload management service class processing module, was unable to free previously-acquired storage.

**Corrective Action:** Note the values of $len$ and $ptr$, prepare the Control-M monitor full output, and contact BMC Customer Support.

CTMW04I WLM SRVCLASS TABLE {LOADED | RELOADED} SUCCESSFULLY WITH num ENTRIES

**Explanation:** CTMWLM, the Control-M workload management service class processing module, successfully loaded or reloaded the WLMSCTBL table from the CTM PARM library.

**Corrective Action:** No action is required.
CTMW05W INTERNAL WLM SRVCLASS TABLE HAS NO VALID ENTRIES

**Explanation:** CTMWLM, the Control-M workload management service class processing module, successfully loaded or reloaded the WLMSCTBL table from the CTM PARM library but found no valid entries.

All subsequent service class requests are effectively ignored.

**Corrective Action:** Correct or add entries to the WLMSCTBL table in the CTM PARM library.

CTMW06E ENTRY rec PARSING ERROR: jobNameapplNamefromTime toTime

**Explanation:** CTMWLM, the Control-M workload management service class processing module, detected a parsing error in this entry in the WLMSCTBL table in the CTM PARM library.

The variables in this message are:
- *rec* - the record number
- *jobName* - the name of the job in the WLMSCTBL table entry
- *applName* - the name of the application in the WLMSCTBL table entry
- *fromTime* - the start time of the range
- *toTime* - the end time of the range

The table entry is ignored.

**Corrective Action:** Correct the entry in the WLMSCTBL table in the CTM PARM library.

CTMW07I {COMMAND | MACRO} ISSUED TO RESET JOB TO SRVCLASS servClass

**Explanation:** CTMWLM, the Control-M workload management service class processing module, attempted to reset the service class of the job to *servClass*.

**Corrective Action:** No action is required.

CTMW08E IWMRESET MACRO ERROR. SRVCLASS=servClass RETURN=rc REASON=rsn

**Explanation:** CTMWLM, the Control-M workload management service class processing module, attempted to reset the service class of the job to *servClass* but failed.

The specific service class request is unsuccessful.

**Corrective Action:** For information about the return and reason codes, see the explanation of IWMRESET in the IBM manual *MVS Programming: Workload Management Services.*
CTMWL1I CONTROL-M STARTED REBUILDING WORKLOAD DATA

**Explanation:** Control-M uploaded the new workload definitions from Control-M/Enterprise Manager and has started updating the workload data for the jobs. For each job that is associated with at least one workload, a CTMWL9I message is issued, followed by a set of CTMWLAI messages - one for each workload that is associated with the job.

**Corrective Action:** No action is required.

CTMWL2I CONTROL-M FINISHED REBUILDING WORKLOAD DATA. nnnnn JOBS UPDATED

**Explanation:** Control-M has completed rebuilding the workload data of the jobs; the data for nnnnn jobs were changed.

**Corrective Action:** No action is required.

CTMWL3E ERROR WHEN TRYING TO ADD A NEW WORKLOAD TO THE JOB WITH ORDERID order_id

**Explanation:** The available memory in the job record for the order_id job is insufficient for the new workload data. The job record is not partially updated, but instead the workload data for the job remains unchanged, as it was before.

**Corrective Action:** To avoid this problem in the future, increase the memory for job records by increasing the value specified for the FREESPAC parameter in the CTMPARM member.

CTMWL4I WORKLOAD NAME: RESOURCE NAME: LIMIT UTILIZATION

**Explanation:** This message is issued in response to the WLLIST Control-M monitor operator command. It is the first message of a series, forming a resource utilization report, which consists of a list of workload names with their required resource types, the maximum permitted number of resources, and the current number of resources being used. This message serves as a header for the CTMW5I messages that follow it.

**Corrective Action:** No action is required.

CTMWL5I Work_Load_name Resource_name Limit Utilization

**Explanation:** This message is part of a series of messages, initiated by the WLLIST Control-M monitor operator command. The messages form a resource utilization report, which consists of a list of workload names with their required resource types, the maximum permitted number of resources, and the current number of resources being used. The series of messages is preceded by the CTMW4I header message.

**Corrective Action:** No action is required.

CTMWL6W WORKLOAD POLICY DEFINITIONS DO NOT EXIST

**Explanation:** A member containing the workload definitions has not been defined. Control-M will run without the workload facility.

**Corrective Action:** Determine if workload policies are required. If so, apply the workload policies. For more information, see the Workload Management topic in Chapter 1 of the Control-M for z/OS User Guide.
CTMWL7E INVALID DATA IN WORKLOAD POLICY DEFINITIONS

**Explanation:** The member with the workload policies contains a technical error. If there were previously defined valid workload policies, the CTMWL8W message is issued after this message. If no previously defined valid workload policies existed, the CTMWL8W message is not issued, and Control-M continues to run without the workload facility.

**Corrective Action:** Correct the error in the workload policies definitions.

CTMWL8W PREVIOUS WORKLOAD POLICY DEFINITIONS WILL BE USED

**Explanation:** This message is issued only after the CTMWL7E error message. Since there is an error, the workload policy is not redefined. Instead, the previous workload policy remains active.

**Corrective Action:** Determine if the previous workload policy is still valid. If not, redefine the workload policy.

CTMWL9I JOB job_name ORDERID order_id WORKLOADS CHANGED DUE TO reason

**Explanation:** This message is displayed for each job (indicated by job_name and order_id) that satisfies a workload policy. The cause that initiates the workload data change is indicated by reason, which can be one of the following:

- JOB ORDER - a workload was assigned to the newly ordered job while the Control-M monitor is active.
- MONITOR INIT - a workload was assigned or changed for the job during the start of the Control-M monitor or its resume after NEWDAY processing.
- FREE - a workload policy that affects a job was changed while the job was in Held status. As soon as the job is freed, the workload data is updated according to the new policy.
- FREE TABLE - a workload policy that affects a SMART Table was changed while the SMART Table was in Held status. As soon as the SMART Table is freed, the workload data is updated according to the new policy.
- REBUILD - the workload policy was changed, requiring the workload data to be updated.

**Corrective Action:** No action is required.

CTMWLAI JOB job_name ORDERID order_id IS NOW IN WORKLOAD work_load_name

**Explanation:** The work_load_name workload is assigned to the job_name job, with order ID order_id. This message is displayed for each workload that is assigned to the job. A set of one or more CTMWLAI messages is preceded by the CTMWL9I message.

**Corrective Action:** No action is required.

Messages CTMX00 through CTMXxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Rota products.
CTMX01I CONTROL-M GLOBAL SYSPLEX MONITOR STARTED ON SYSTEM systemId

**Explanation:** This information message indicates that the Control-M monitor that was started on system systemId will operate as the global Sysplex monitor. This monitor is the first Control-M monitor started in the CTMPLEX environment.

**Corrective Action:** No action is required.

CTMX02I CONTROL-M LOCAL SYSPLEX MONITOR STARTED ON SYSTEM systemId

**Explanation:** This information message indicates that the monitor started on system systemId operates as a local Sysplex monitor. All monitors in the CTMPLEX environment, except the first monitor, which acts as the global Sysplex monitor, are local monitors.

**Corrective Action:** No action is required.

CTMX03I SHUT DOWN REQUEST RECEIVED BY CONTROL-M LOCAL MONITOR ON SYSTEM systemId

**Explanation:** This information message indicates that the global monitor issued a shut down request to the local monitor on system systemId. The shutdown is in response to a STOP CONTROLM command that was issued to the global monitor. The entire CTMPLEX is stopped. All local monitors are shut down.

Shutdown of the Control-M local monitor begins.

**Corrective Action:** No action is required.

CTMX04I SUSPEND REQUEST RECEIVED BY CONTROL-M LOCAL MONITOR ON SYSTEM systemId

**Explanation:** This information message indicates that activity of the local monitor on system systemId is suspended until the end of New Day Processing as a result of a SUSPEND request issued before the New Day procedure began.

The Control-M local monitor stops its activity till end of New Day processing.

**Corrective Action:** No action is required.

CTMX05E GLOBAL MONITOR FAILED. THE LOCAL IS SWITCHING TO GLOBAL ON SYSTEM systemId

**Explanation:** In response to the global monitor failing or being stopped by operator command, the local monitor on system systemId is now the global monitor. In a CTMPLEX environment, there must always be a global monitor.

The local monitor switches to Global mode.

**Corrective Action:** If the global monitor failed, prepare the Control-M monitor full output and contact BMC Customer Support.
CTMX06I NEW LOCAL MONITOR CONNECTED TO CONTROL-M SYSPLEX

Explanation: This information message indicates that the global monitor detected a new local monitor connected to CTMPLEX.

Corrective Action: No action is required.

CTMX07I LOCAL MONITOR DISCONNECTED FROM CONTROL-M SYSPLEX

Explanation: This information message indicates that the global monitor detected that a local monitor is disconnected from CTMPLEX.

CTMPLEX continues running, and no jobs are lost. Jobs that were being processed by the disconnected local monitor are passed to the global monitor, and from there to other local monitors.

Corrective Action: A new local monitor can be started on the system where the local monitor disconnected, or on any other system that has no Control-M monitor.

CTMX08E ERROR IN COUPLING FACILITY REQUEST

Explanation: An error occurred during access of the CTMPLEX coupling facility. This message is generally accompanied by other messages that explain the exact type of error and system actions.

The system action depends on the type of error. If the error is an environmental error, Control-M switches from CTMPLEX to regular mode. All local monitors shut down, and the global monitor continues working in regular, not CTMPLEX, mode. If the error is an internal or program error in handling the Coupling facility request, the whole CTMPLEX shuts down.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support. In case of environmental errors, Control-M can be switched back to CTMPLEX mode by STARTPLEX operator command.

CTMX09E THERE IS ANOTHER CONTROL-M MONITOR ON THE SYSTEM systemId

Explanation: System systemId has more than one Control-M monitor. Only one Control-M monitor, either global or local, may run on any SYSPLEX member.

Only the first Control-M monitor on system systemId continues to operate. The other monitors on the system shut down.

Corrective Action: Ensure that only one Control-M monitor runs on any system in the CTMPLEX. If desired, use LISTPLEX operator command to display the current CTMPLEX environment.

CTMX0AE SYSTEM systemId NOT FOUND IN CTMPLEX PARAMETERS TABLE

Explanation: An attempt was made to start a Control-M monitor in system systemId, which is not defined in a CTMPLEX parameter member. For the monitor to be started in the system, the system must be defined in the CTMPLEX parameter member.

The Control-M monitor is not started in system systemId.

Corrective Action: Ensure that all systems that should be available for Control-M monitors are identified in the CTMPLEX parameter member.
CTMX0BE INTERNAL ERROR IN CTMPLEX PROCESSING. *error*

**Explanation:** An internal error occurred in CTMPLEX processing.

CTMPLEX shuts down.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX0DE NO LOCAL MONITOR FOUND FOR PROCESSING OF A JOB

**Explanation:** As a result of an internal error in CTMPLEX processing, no local Control-M monitor was found for processing a job.

The job is processed by the global monitor.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX0EE STRUCTURE NAME *structName* IS ALREADY IN USE BY ANOTHER CTMPLEX

**Explanation:** The same Coupling facility structure name is being used by another CTMPLEX environment. The structure name of the Coupling facility must be unique to the CTMPLEX environment.

CTMPLEX does not start.

**Corrective Action:** Specify another name for the Coupling Facility structure in the CTMPLEX parameter member.

CTMX11E ERROR IN *reqType* REQUEST FOR CTMPLEX COUPLING FACILITY. RC *rc* REASON *rsn*

**Explanation:** An error occurred while accessing the CTMPLEX coupling facility. This message is usually accompanied by other messages that explain system actions.

The system action depends on the type of error in the Coupling Facility. For environmental errors, Control-M switches from CTMPLEX to regular mode. All local monitors shut down and the global monitor continues working in regular, not CTMPLEX, mode. For internal or program errors, the entire CTMPLEX shuts down.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support. For environmental errors, Control-M can be switched back to CTMPLEX mode by STARTPLEX operator command.

CTMX12I THE COMMAND IS ROUTED TO BE HANDLED BY GLOBAL MONITOR

**Explanation:** This information message indicates that the Local monitor received an operator command that may only be processed by the Global monitor. In this situation the Local monitor routes the command to the Global monitor.

**Corrective Action:** No action is required.
CTMX13E MAXIMUM NUMBER OF CTMPLEX LOCAL MONITORS EXCEEDED

**Explanation:** An attempt was made to start more than the allowable number of Control-M monitors. A maximum of 32 Control-M monitors, one global and the rest local, are allowed in the CTMPLEX environment.

Additional monitors beyond the first allowed maximum of 32 are not started.

**Corrective Action:** To add additional monitors, stop an active local monitor for each new monitor to be added. Use the LISTPLEX operator command to display a current CTMPLEX environment.

CTMX14I THE COMMAND IS NOT VALID FOR A LOCAL MONITOR

**Explanation:** This information message indicates that a local monitor received an operator command that is valid for a global monitor only.

The operator command is ignored.

**Corrective Action:** Issue the operator command to the global monitor only. Operator command WHOGLOBAL, which is valid for each monitor, can be used to display information about the global monitor.

CTMX15I WORK BALANCING MODE ACTIVATED ON CTMPLEX ENVIRONMENT

**Explanation:** This information message indicates that Work Balancing mode was activated by the operator command F CONTROLM,BALANCE=YES.

CTMPLEX works in Work Balancing mode.

**Corrective Action:** No action is required.

CTMX16I WORK BALANCING MODE DEACTIVATED ON CTMPLEX ENVIRONMENT

**Explanation:** This information message indicates that Work Balancing mode was deactivated by the operator command F CONTROLM,BALANCE=NO.

CTMPLEX stops working in Work Balancing mode.

**Corrective Action:** No action is required.

CTMX17I CTMPLEX COMMANDS ARE NOT AVAILABLE WHEN CTMPLEX=N IN CTMPARM

**Explanation:** This information message indicates that a CTMPLEX operator command was issued while the CTMPLEX facility is not available. The facility is not available because the CTMPLEX parameter is set to N in the CTMPARM member in the IOA PARM library.

CTMPLEX operator commands are ignored.

**Corrective Action:** To activate the CTMPLEX facility, set the CTMPLEX parameter to Y in the CTMPARM member, and restart the Control-M monitor.
CTMX18I GLOBAL CTMPLEX MONITOR IS WAITING FOR THE LOCAL MONITORS TO SHUT DOWN

**Explanation:** This information message indicates that as part of CTMPLEX shut down, the global monitor passed STOP requests to all local monitors, and is waiting for them to shut down.

The global monitor waits for the local monitors to shut down. When all local monitors are shut down, the global monitor updates the Active Jobs file with the last changes, and shuts down.

**Corrective Action:** No action is required.

CTMX19E NO ACTIVE LOCAL MONITOR FOUND ON SYSTEM `systemId`

**Explanation:** CTMPLEX operator command `F CONTROLM,STOPGSM,systemId` was issued to stop the global monitor, and to pass global functions to the local monitor on system `systemId`, but, no active local monitor was found on system `systemId`.

The command is ignored.

**Corrective Action:** Ensure that the correct system identifier is specified in the operator command. Operator command `LISTPLEX` can be issued to display a current CTMPLEX configuration.

CTMX1AI `mon_type - jobName_of_mon.stepName_of_mon` ON SYSTEM `systemId`. ACTIVE JOBS `numActiveJobs`, CAPACITY `systemCapacity`

**Explanation:** This information message displays the current CTMPLEX configuration in response to a `LISTPLEX` operator command. This message is issued for each monitor in the CTMPLEX.

The list of Control-M global and local monitors is displayed.

**Corrective Action:** No action is required.

CTMX1BI JOB WAS HANDLED BY LOCAL MONITOR ON SYSTEM `systemId`

**Explanation:** This information message is a statistics message issued to IOA log any time a job is handled by a local monitor. It indicates the system on which the job was handled.

**Corrective Action:** No action is required.

CTMX1CI SUCCESSFUL RECOVERY AFTER LOCAL MONITOR DISCONNECTED

**Explanation:** This information message indicates that the global monitor successfully finished a recovery after a local monitor disconnected.

CTMPLEX continues working. All jobs processed by disconnected local monitor were passed to the global or other local monitors.

**Corrective Action:** An additional local monitor can be activated on any suitable SYSPLEX member where no such monitor runs.
CTMX1DE UNSUCCESSFUL RECOVERY AFTER LOCAL MONITOR DISCONNECTED

**Explanation:** Errors occurred in during recovery by the global monitor following a local monitor disconnect.

CTMPLEX continues working, but some jobs from the disconnected local monitor may be not passed to the global or other local monitors, and therefore may remain unprocessed.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX1EI SUCCESSFUL COMPLETION OF LOCAL-TO-GLOBAL SWITCHING

**Explanation:** This information message indicates that a local monitor was successfully switched to Global mode. The switch to Global mode is generally performed if the global monitor fails, or stops in response to a STOPGSM operator command.

CTMPLEX continues working; the local monitor is now the global monitor.

**Corrective Action:** If the global monitor failed, prepare the Control-M monitor full output and contact BMC Customer Support. An additional local monitor can be activated on any suitable SYSPLEX member where no such monitor runs. Operator command LISTPLEX can be issued to display a current CTMPLEX configuration.

CTMX1FE ERRORS ENCOUNTERED DURING LOCAL-TO-GLOBAL SWITCHING

**Explanation:** Errors occurred in the local monitor during switching to Global mode. The switch to Global mode is generally performed if the global monitor fails, or stops in response to a STOPGSM operator command.

The local monitor shuts down.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX1GE LOCAL MONITOR TERMINATING DUE TO CTMPLEX COUPLING FACILITY FAILURE

**Explanation:** The local monitor is shutting down due to CTMPLEX Coupling Facility environmental failures, or internal or program errors in the CTMPLEX facility. This message is usually accompanied by other messages explaining the reason for the failure.

The local monitor shuts down. Its jobs are passed to the global monitor and other local monitors. CTMPLEX continues working.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX21E ERROR IN PROPAGATING OPERATOR COMMAND TO LOCAL MONITORS. THE COMMAND IS IGNORED

**Explanation:** The global monitor failed to propagate an operator command to the local monitors. This message is usually accompanied by other messages explaining a reason of failure.

The operator command is ignored.
Corrective Action: Try to repeat the operator command. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX22E PREVIOUS COMMAND WAS NOT PROCESSED BY A LOCAL MONITOR. RETRY THE CURRENT COMMAND LATER

Explanation: The previous operator command was not yet extracted and/or processed by all of the local monitors. In the CTMPLEX environment, a new operator command can be processed only after a previous command was processed by all active local monitors.

The operator command is ignored.

Corrective Action: Try to repeat the operator command. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX23I GLOBAL CTMPLEX MONITOR IS jobName.stepName ON SYSTEM systemId

Explanation: This information message displays information about the current global monitor in response to the WHOGLOBAL operator command.

Corrective Action: No action is required.

CTMX24E CONTROL-M CONTINUES WORKING IN STAND-ALONE MODE BECAUSE OF COUPLING FACILITY FAILURE

Explanation: Control-M switched from CTMPLEX mode to regular Standalone mode because the global monitor detected an environmental error while accessing the CTMPLEX Coupling Facility structure. The message is accompanied by a message supplying additional information about the Coupling Facility failure.

All local monitors shut down. The global monitor continues working in regular Standalone mode, not CTMPLEX mode.

Corrective Action: Fixing the problem caused by the Coupling Facility environmental error. Then, return to CTMPLEX mode by issuing the STARTPLEX operator command.

CTMX25E LOCAL CTMPLEX MONITOR SHUTS DOWN ON SYSTEM systemId BECAUSE OF COUPLING FACILITY FAILURE

Explanation: The local monitor shut down because an environmental error in accessing the CTMPLEX Coupling Facility structure was detected either by the global monitor or by the local monitor.

If a failure in accessing the Coupling Facility is detected by the global monitor, then all local monitors shut down, and the global monitor continues working in Standalone mode, not CTMPLEX mode. If a failure in accessing Coupling Facility is detected by a local monitor, then only this monitor shuts down.

Corrective Action: Search the job log of the global and local monitors for a message supplying additional information about the Coupling Facility failure. Fixing the problem caused by the Coupling Facility environmental error. Then return to CTMPLEX mode by issuing a STARTPLEX operator command. Additional local monitors can then be activated.
CTMX26I CONTROL-M IS CURRENTLY IN STAND-ALONE MODE DUE TO COUPLING FACILITY FAILURE

**Explanation:** This information message indicates that a requested CTMPLEX operator command could not be processed, or a local monitor could not be started, because Control-M is running in Standalone mode due to Coupling Facility failure.

While Control-M works in Standalone mode, it ignores the CTMPLEX operator command, and no local monitors can be activated.

**Corrective Action:** Fix the problem caused by the Coupling Facility environmental error. Then return to CTMPLEX mode by issuing a STARTPLEX operator command.

CTMX27I USE 'STARTPLEX' COMMAND TO REACTIVATE CTMPLEX PROCESSING

**Explanation:** This information message indicates that CTMPLEX processing can be reactivated by issuing a STARTPLEX operator command. This message is usually issued following a CTMPLEX operator command request, or an attempt to start a local monitor while Control-M runs in Stand-alone mode due to a Coupling Facility failure.

**Corrective Action:** No action is required.

CTMX28I CTMPLEX IS ALREADY ACTIVE

**Explanation:** This information message indicates that a STARTPLEX operator command was issued while Control-M already works in CTMPLEX mode. Command STARTPLEX is used to place Control-M in CTMPLEX mode. Since CTMPLEX mode is already active, the STARTPLEX command is unnecessary.

The STARTPLEX operator command is ignored.

**Corrective Action:** No action is required.

CTMX29E CTMPLEX COUPLING FACILITY STRUCTURE IS FULL

**Explanation:** The CTMPLEX Coupling Facility structure is full.

CTMPLEX continues running. New active jobs are processed by the global monitor, but the jobs are not passed to local monitors. Control-M waits until some active jobs have finish and the Coupling facility shortage is relieved.

**Corrective Action:** Increase the value of the MAXENTRY parameter in the CTMPLEX parameter member, and restart CTMPLEX.

CTMX2AE THE MONITOR RUNNING ON SYSTEM systemId IS ALREADY A GLOBAL

**Explanation:** The system specified in operator command STOPGSM sys is the system in which the global monitor is already running. This is not allowed because this command is used to stop the global monitor and pass global function to the monitor running on the specified system (systemId).

The STOPGSM operator command is ignored.
Corrective Action: Reissue the STOPGSM command, but ensure that the system specified in the command is not the system with the current global monitor. Operator command. LISTPLEX can be issued to display the current CTMPLEX environment.

CTMX2BW MAXIMUM JOBS NUMBER num SET FOR LOCAL ON SYSTEM systemId

Explanation: There is a conflict in the MAXCAP (maximum capacity) and RELCAP (relative capacity) definitions for the indicated system in the CTMPLEX parameter table. MAXCAP is, but should not be, less than RELCAP.

The value for MAXCAP is set equal to the RELCAP value for the system entry.

Corrective Action: If these values should not be equal increase the MAXCAP value, or decrease the RELCAP value for the system, in the CTMPLEX parameter member. Then stop and restart CTMPLEX.

CTMX2CW WARNING: COUPLING FACILITY STRUCTURE IS num% FULL

Explanation: The CTMPLEX Coupling facility structure is nearly full. CTMPLEX continues running, and will continue to run even after the Coupling facility becomes full. However, once the Coupling facility becomes full, new active jobs are processed by the global monitor, but are not passed to local monitors. After the Coupling facility shortage is relieved, Control-M continues sending jobs to local monitors.

Corrective Action: Increase the value of the MAXENTRY parameter in CTMPLEX parameter member, and restart CTMPLEX.

CTMX2DI COUPLING FACILITY SPACE PROBLEM ALLEVIATED

Explanation: This information message indicates that the CTMPLEX Coupling Facility structure space problem was alleviated. This message is issued after message CTMX2CW is reissued. CTMPLEX once again sends new active jobs to local monitors.

Corrective Action: No action is required.

CTMX2EI COUPLING FACILITY STRUCTURE IS num% FULL

Explanation: This information message is a part of the CTMPLEX response to a LISTPLEX operator command.

Corrective Action: No action is required.

CTMX31W NO ACTIVE LOCAL MONITORS FOUND IN CTMPLEX

Explanation: The user issued a STOPGSM command to stop the Control-M global monitor and pass global functions to one of local monitors, but there are no active local monitors.

The STOPGSM command is ignored.

Corrective Action: Use the STOP command to stop the global monitor, or activate a local monitor and then issue the STOPGSM command.
CTMX32W STOP COMMAND RECEIVED BY GLOBAL MONITOR. WOULD YOU LIKE TO STOP ENTIRE CTMPLEX?

**Explanation:** The user issued a STOP command to the Control-M global monitor while there are still active local monitors.

Message CTMX33W is issued after this message.

**Corrective Action:** Respond to message CTMX33W.

CTMX33W ANSWER Y(YES)-STOP CTMPLEX, N(NO)-IGNORE, G(GSM)-STOP GLOBAL ONLY

**Explanation:** The user issued a STOP command to the Control-M global monitor while there are still active local monitors. This message appears after message CTMX32W.

The system action depends on the user response.

**Corrective Action:** Select one of the available responses:

- **YES** - the whole CTMPLEX is stopped (that is, all monitors are stopped)
- **NO** - the STOP command is ignored
- **GSM** - only the global monitor is stopped

CTMX34I STOP COMMAND IS IGNORED

**Explanation:** The user issued a STOP command for the Control-M global monitor while there are still active local monitors, and answered **NO** to message CTMX33W.

The STOP command is ignored.

**Corrective Action:** Repeat the STOP command to stop the global monitor, or activate a local monitor and then issue the STOPGSM command.

CTMX35I GLOBAL MONITOR SHUTS DOWN UPON REQUEST FROM OPERATOR

**Explanation:** The user issued a STOPGSM command, or a STOP command for the Control-M global monitor while there are still active local monitors. After messages CTMX32W and CTMX33W were issued, the user answered **GSM** to message CTMX33W.

The global monitor shuts down and one of active local monitors switches to global mode.

**Corrective Action:** No action is required.

CTMX36W STRUCTURE SIZE size WAS USED INSTEAD OF MAXENTRY SIZE

**Explanation:** This message may be displayed during Control-M CTMPLEX environment initialization. If the MAXENTRY parameter value in the CTMPLEX PARM member or the SIZE/INITSIZE parameter value in the CFRM policy is too small for CTMPLEX requirements, Control-M attempts to automatically recover from this 'invalid structure size' error by using the minimum required structure size, `size`. The value of `size`, which is displayed in the message, is equal to the minimum required number of 4K blocks.
If this retry attempt is successful, Control-M displays this message with the structure size used instead of the user-specified MAXENTRY value.

**Corrective Action:** No action is required.

**CTMX37I ALL LOCAL MONITORS STOPPED. CONTROL-M WILL OPERATE IN STAND-ALONE MODE**

**Explanation:** The user issued a STOPPLEX command, or the CTMPLEX mode changed to the regular standalone (no-CTMPLEX) mode as a result of a Coupling Facility failure.

As a result of the STOPPLEX command or a Coupling Facility failure, all local monitors are stopped. The global monitor disconnects from the Coupling Facility, releases all CTMPLEX resources and continue running as a regular Control-M monitor.

**Corrective Action:** Issue the STARTPLEX command to return to CTMPLEX mode.

**CTMX38I CONTROL-M IS CURRENTLY IN STAND-ALONE MODE DUE TO STOPPLEX REQUEST**

**Explanation:** The operator issued a command valid only in the CTMPLEX environment, while Control-M is currently in regular standalone mode (that is, not CTMPLEX) due to a STOPPLEX request or a Coupling Facility failure.

Any CTMPLEX operator command is ignored if Control-M is not currently in CTMPLEX mode.

**Corrective Action:** Issue the STARTPLEX command to return to CTMPLEX mode.

**CTMX39E GLOBAL MONITOR NOT FOUND. LOCAL MONITOR TERMINATES ON THE SYSTEM sysName**

**Explanation:** The local monitor detected that the global monitor terminated while the Control-M New Day procedure was running.

The local monitor shuts down.

**Corrective Action:** Check the reason for the global monitor termination, and restart Control-M.

**CTMX3AI GLOBAL MONITOR WAITS UNTIL ALL LOCAL MONITORS ARE SUSPENDED BEFORE STARTING NEWDAY**

**Explanation:** The global monitor intends to invoke the Control-M New Day procedure. Before doing this, the global monitor sends SUSPEND requests to all active local monitors, and waits until they confirm their suspension.

The global monitor waits for the local monitors to suspend their processing before invoking the New Day procedure.

**Corrective Action:** No action is required.
CTMX3BW LOCAL MONITOR IS WAITING FOR THE GLOBAL CTMPLEX MONITOR TO SHUT DOWN

**Explanation:** The global monitor is in the process of terminating. The local monitor should switch to the global mode, but waits until the global monitor completely terminates.

The local monitor waits until the global monitor completely terminates.

**Corrective Action:** Check the reason for termination of the global monitor, and check whether the global monitor is hanging during this termination. If it hangs, then cancel the Global monitor with the dump, prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX3CE SYSTEM sysname ALREADY REGISTERED IN CTMPLEX

**Explanation:** This is an internal CTMPLEX error. The local monitor starts on a particular system, but detects that another local monitor on the same system is already registered in the CTMPLEX environment. The local monitor shuts down.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

CTMX3DE RESOURCE SERIALIZATION INACTIVE

**Explanation:** The local monitor detects that global resources serialization is not active in the SYSPLEX environment. The local monitor shuts down.

**Corrective Action:** Check the status of global resources serialization. It should be active in order to use CTMPLEX in the SYSPLEX environment.

CTMX3FE MINIMUM STRUCTURE SIZE IS size; INCREASE CFRM POLICY VALUES ACCORDINGLY

**Explanation:** This message may be displayed during Control-M CTMPLEX environment initialization. If the MAXENTRY parameter value in the CTMPLEX PARM member or the SIZE/INITSIZE parameter value in the CFRM policy is too small for CTMPLEX requirements, Control-M will attempt to automatically recover from this ‘invalid structure size’ error by using the minimum required structure size, size. The value of size, which is displayed in the message, is equal to the minimum required number of 4K blocks.

If this retry attempt is successful, Control-M displays message CTMX36W. However, if the retry attempt is unsuccessful because the structure size is too small, Control-M displays this message with the minimum required structure size.

Control-M is activated in stand-alone mode (not in CTMPLEX mode).

**Corrective Action:** Contact your system programming group and have them increase the structure size in the CFRM policy to the minimum required structure size specified in the message. When increasing the size in the CFRM policy, ensure that the size is specified in Kilobytes (not to be confused with the value of size in the message text, which indicates the number of 4K blocks.)
CTMX41I LOCAL MONITOR SUSPENDED AWAITING RECONNECT TO CTMPLEX. ONLY STOP COMMAND AVAILABLE

**Explanation:** The Local Monitor is in SUSPEND mode due to Coupling facility failure. In this mode, the Local Monitor does not receive any operator commands except for STOP.

The operator command is ignored.

**Corrective Action:** Issue the operator command to the Global Monitor or wait until the Coupling Facility recovers, and resumes CTMPLEX processing.

CTMX42W LOCAL CTMPLEX MONITOR (SYSTEM `sysName`) PROCESSING SUSPENDED DUE TO COUPLING FACILITY FAILURE

**Explanation:** The Local Monitor is in SUSPEND mode due to Coupling Facility failure detected by the Global Monitor. The Local Monitor waits for the recovery of the Coupling Facility and the request of Global Monitor to reconnect to CTMPLEX, and resumes processing.

Automatic CTMPLEX recovery is controlled by two CTMPLEX installation parameters:

- **RECOVERT** - Frequency of attempts to recover CTMPLEX after Coupling Facility failures
- **RECOVERM** - Maximum number of attempts to recover CTMPLEX after Coupling Facility failures.

The Local Monitor does not handle any jobs. It only waits for the request of Global Monitor to reconnect to CTMPLEX, and resumes processing.

**Corrective Action:** Check the system log and job logs of Control-M Monitors, and try to find the reason for the Coupling Facility failure.

CTMX43I LOCAL MONITOR (SYSTEM `sysName`) ATTEMPTING TO RECONNECT CTMPLEX

**Explanation:** The Local Monitor received the request from the Global Monitor to reconnect to CTMPLEX, and resumes the processing. Before this, the Local Monitor was in SUSPEND mode due to Coupling facility failure detected by the Global Monitor.

The Local Monitor attempts to reconnect to CTMPLEX and to start processing the jobs. If the Local Monitor does not succeed in reconnecting, it stops immediately.

**Corrective Action:** No action is required.

CTMX44I LOCAL MONITOR (SYSTEM `sysName`) RECONNECTED TO CTMPLEX. PROCESSING RESUMED

**Explanation:** The Local Monitor reconnected to CTMPLEX after it was in SUSPEND mode due to Coupling facility failure detected by the Global Monitor.

The Local Monitor resumes processing the jobs.

**Corrective Action:** No action is required.
CTMX45I GLOBAL MONITOR WILL ATTEMPT TO RESUME CTMPLEX PROCESSING LATER

**Explanation:** The Global Monitor stopped the CTMPLEX facility and switched to Standalone mode due to Coupling Facility failure. During some time interval, the Global Monitor will attempt to recover the CTMPLEX facility, that is, it will try to reconnect to the Coupling Facility and resume CTMPLEX processing.

Automatic CTMPLEX recovery is controlled by two CTMPLEX installation parameters:

- **RECOVERT** - Frequency of attempts to recover CTMPLEX after Coupling Facility failures
- **RECOVERM** - Maximum number of attempts to recover CTMPLEX after Coupling Facility failures.

The Global Monitor continues working in Standalone mode. After some time interval (the number of seconds specified by the RECOVERT installation parameter of CTMPLEX), the Global Monitor will attempt to recover the CTMPLEX facility, that is, it will try to reconnect to the Coupling Facility and resume CTMPLEX processing.

**Corrective Action:** Check the system log and job logs of Control-M Monitors, and try to find the reason for the Coupling Facility failure.

CTMX46I GLOBAL MONITOR ATTEMPTING TO RESUME CTMPLEX PROCESSING

**Explanation:** The Global Monitor tries to reconnect to the Coupling Facility and resume CTMPLEX processing. Before this, the Global Monitor was working in Standalone mode due to Coupling Facility failure.

If the Global Monitor succeeds in reconnecting to the Coupling Facility, it sends the request to reconnect to the Coupling Facility and resume processing to Local monitors (which are in SUSPEND mode).

If the Global Monitor does not succeed in reconnecting to the Coupling Facility (the Global monitor fails again), then after some time interval (the number of seconds specified by the CTMPLEX installation parameter RECOVERT), the Global Monitor performs another attempt to recover CTMPLEX. The maximum number of attempts is defined in the CTMPLEX installation parameter RECOVERM.

**Corrective Action:** No action is required.

CTMX47I GLOBAL MONITOR SUCCESSFULLY RECONNECTED TO COUPLING FACILITY. LOCAL MONITORS WILL RESUME PROCESSING

**Explanation:** The Global Monitor successfully reconnected to the Coupling Facility and resumed CTMPLEX processing. Before this, the Global Monitor was working in Standalone mode due to Coupling Facility failure.

After the Global Monitor successfully reconnects to the Coupling Facility and resumes CTMPLEX processing, it sends to Local Monitors the request to reconnect to the Coupling Facility and resume processing the jobs (before this the Local Monitors were in SUSPEND mode due to Coupling Facility failure.

**Corrective Action:** No action is required.
CTMX48E CONTROL-M OPERATING IN STAND-ALONE MODE DUE TO CTMPLEX INITIALIZATION FAILURE

Explanation: The Control-M monitor did not successfully activate the CTMPLEX facility. The Control-M monitor continues working in Standalone (regular) mode.

Corrective Action: Investigate the job log of the Control-M monitor and clarify the reason for the CTMPLEX initialization failure. After fixing the problem, the CTMPLEX facility may be activated with the STARTPLEX operator command.

CTMX49E MAXIMUM NUMBER OF ATTEMPTS TO REACTIVATE CTMPLEX EXCEEDED. ALL LOCAL MONITORS WILL TERMINATE.

Explanation: The Global Monitor did not successfully reconnect to the Coupling facility and recover CTMPLEX. The maximum number of attempts to recover CTMPLEX (CTMPLEX installation parameter RECOVERM) was exhausted.

The Global monitor stops all Local monitors and continues working in Standalone (regular) mode.

Corrective Action: Investigate the job log of the Control-M monitor and clarify the reason for the CTMPLEX recovery failures. After fixing the problem, the CTMPLEX facility may be activated with the STARTPLEX operator command.

CTMX4AE LOCAL MONITOR TERMINATED DUE TO FAILURE OF THE GLOBAL MONITOR TO REACTIVATE CTMPLEX

Explanation: The Local monitor received a termination request from the Global monitor, because the Global monitor could not successfully reconnect to the Coupling facility and recover CTMPLEX. The maximum number of attempts to recover CTMPLEX (CTMPLEX installation parameter RECOVERM) was exhausted by the Global monitor.

Local monitors terminate and the Global monitor continues working in Standalone (regular) mode.

Corrective Action: Investigate the job log of the Control-M Global monitors and clarify the reason for the CTMPLEX recovery failures. After fixing the problem, the CTMPLEX facility may be activated with the STARTPLEX operator command.

CTMX4BI *** START OF GLOBAL RESPONSE TO ROUTED OPERATOR COMMANDS ***

Explanation: The Local monitor received an operator command that may only be processed by the Global monitor. In this situation the Local monitor routes the command to the Global monitor. This message indicates the start of the Global monitor’s response to the routed operator command.

The Global monitor’s response records to the operator command are issued after this message.

Corrective Action: No action is required.
CTMX4CI *** END OF GLOBAL RESPONSE TO ROUTED OPERATOR COMMANDS ***

**Explanation:** The Local monitor received an operator command that may only be processed by the Global monitor. In this situation the Local monitor routes the command to the Global monitor. This message indicates the end of the Global monitor's response to the routed operator command.

The Global monitor's response records to the operator command are issued before this message.

**Corrective Action:** No action is required.

CTMX51I LOCAL CTMPLEX MONITOR (SYSTEM system_name) SWITCHES TO GLOBAL BECAUSE IT HAS THE HIGHEST PRIORITY

**Explanation:** The Local Monitor switches to Global because it has the highest PRIORITY (in the CTMPLEX parameters member) among all active Control-M monitors.

**Corrective Action:** No action is required.

CTMX52I GLOBAL CTMPLEX MONITOR (SYSTEM system_name) SWITCHES TO LOCAL BECAUSE IT FOUND A MONITOR WITH A HIGHER PRIORITY

**Explanation:** The Global Monitor switches to Local because it detected that the active Local monitor has a higher PRIORITY (in the CTMPLEX parameters member) than the Global Monitor.

**Corrective Action:** No action is required.

CTMX53I SUCCESSFUL FINISH OF GLOBAL - LOCAL SWITCH

**Explanation:** The Global Monitor successfully switched to Local. The Global Monitor made the switch because it detected that the active Local monitor has a higher PRIORITY (in the CTMPLEX parameters member) than the Global Monitor.

**Corrective Action:** No action is required.

CTMX54I Control-M MONITOR STARTED ON SYSTEM system_name WAITING TILL ANY LOCAL SWITCHES TO GLOBAL

**Explanation:** The Global Monitor was restarted a very short time after it was stopped or terminated, before any Local Control-M monitor could detect the termination of the Global Monitor and switch to Global status. The restarted monitor delays until any Local monitor successfully switches to Global status, after which the restarted monitor continues initialization as a Local monitor.

**Corrective Action:** No action is required.

CTMX61W ERROR IN NEWDAY - MONITOR CROSS MEMORY TRANSFER OF AJF. REASON ‘rsn’

**Explanation:** Control-M encountered errors when trying to implement the New Day in Memory facility (activated by the NEWDAYIM=Y installation parameter). This facility uses synchronous cross-memory to copy the AJF between the New Day procedure and Control-M monitor address spaces.
The New Day in Memory facility is deactivated. The AJF is always read from DASD by the New Day procedure and by the Control-M monitor.

**Corrective Action:** Investigate the cause of the error according to reason code `rsn`. If necessary, contact Control-M technical support for assistance. To reactivate the New Day in Memory facility, stop and then restart the Control-M monitor.

**CTMX62W** NEWDAY - MONITOR CROSS MEMORY TRANSFER OF AJF NOT AVAILABLE

**Explanation:** The Control-M New Day procedure failed to implement the New Day in Memory facility (activated by the NEWDAYIM=Y installation parameter). This facility uses synchronous cross-memory to copy the AJF between the New Day procedure and Control-M monitor address spaces. This message is issued if the New Day procedure detects that the cross-memory environment (to be set by the Control-M monitor) is unavailable.

Possible causes are:

- not running the Control-M monitor on the same system where the New Day procedure runs
- the Control-M monitor failed to establish the cross-memory environment.

The New Day in Memory facility is deactivated. The AJF is read from DASD by the New Day procedure and by the Control-M monitor.

**Corrective Action:** Check if Control-M runs on the same system as the New Day procedure. If so, look at the Control-M monitor’s system log to find the reason for not establishing the cross-memory environment. If necessary, contact Control-M technical support for assistance.

**CTMX63W** MONITOR FAILED DURING NEWDAY AJF COMPRESS

**Explanation:** The Control-M New Day procedure failed to implement the New Day in Memory facility (activated by the NEWDAYIM=Y installation parameter). This facility uses synchronous cross-memory to copy the AJF between the New Day procedure and the Control-M monitor address spaces. The message is issued when the New Day procedure should be copying the compressed AJF to the Control-M monitor’s memory, but detects that the monitor is inactive.

The New Day procedure continues its processing. When the Control-M monitor restarts, it reads the AJF from DASD.

**Corrective Action:** No action is required.

**CTMX64I** AJF COPIED FROM MONITOR MEMORY

**Explanation:** This information message indicates that the Control-M New Day procedure copied the AJF from the Control-M monitor’s memory. The New Day does this to implement the New Day in Memory facility (activated by the NEWDAYIM=Y installation parameter). This facility uses synchronous cross-memory to copy the AJF between the New Day procedure and Control-M monitor address spaces.

The New Day procedure continues its processing. The compressed AJF is copied back to the Control-M monitor’s memory.

**Corrective Action:** No action is required.
CTMX65I COMPRESSED AJF RETURNED TO MONITOR

**Explanation:** This information message indicates that the Control-M New Day procedure copied the compressed AJF back to the Control-M monitor's memory. The New Day procedure does this to implement the New Day in Memory facility (activated by the NEWDAYIM=Y installation parameter). This facility uses synchronous cross-memory to copy the AJF between the New Day procedure and Control-M monitor address spaces.

When Control-M resumes processing after completing the New Day procedure, it uses the AJF that was copied from the New Day procedure, and does not need to read the compressed AJF from DASD.

**Corrective Action:** No action is required.

CTMX66I CROSS MEMORY ENVIRONMENT SET TO EXPEDITE NEWDAY PROCESSING

**Explanation:** This information message indicates that the Control-M monitor established the cross-memory environment used by the New Day in Memory facility (activated by the NEWDAYIM=Y installation parameter). This facility uses synchronous cross-memory to copy the AJF between the New Day procedure and Control-M monitor address spaces. The New Day procedure extracts the AJF from the Control-M monitor memory. After compressing the AJF, the New Day procedure copies the compressed AJF back to the Control-M monitor's memory.

The New Day in Memory facility is activated.

**Corrective Action:** No action is required.

CTMX67I COMPRESSED AJF RECEIVED BY MONITOR

**Explanation:** This information message indicates that the Control-M monitor received AJF that was compressed by the New Day procedure. This is done by New Day in Memory facility (activated by the NEWDAYIM=Y installation parameter), which uses synchronous cross-memory to copy the AJF between the New Day procedure and Control-M monitor address spaces. The New Day procedure extracts the AJF from the Control-M monitor's memory. After compressing the AJF, the New Day procedure copies the compressed AJF back to the Control-M monitor's memory.

When Control-M resumes processing after completing the New Day procedure, it uses the AJF that was copied from the New Day procedure, and does not need to read the compressed AJF from DASD.

**Corrective Action:** No action is required.
CTO - CTT

This group includes messages for the Control-O Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, Control-M/Restart and Control-M/Tape products.

CTO messages

This group includes messages for the Control-O product.

Messages CTO0 through CTO0xx

This group includes messages for the Control-O product.

CTO001I \{CONTROL-O | CTMCMEM\} monitor TIMER SUBTASK STARTED.

**LEVEL string**

**Explanation:** This information message indicates the start of the Control-O TIMER task, which controls the product timer and cleanup processing.

**Corrective Action:** No action is required.

CTO002I \{CONTROL-O | CTMCMEM\} TIMER SUBTASK ENDED.

**Explanation:** This information message indicates the normal termination of the Control-O TIMER task which controls the product timer and cleanup processing.

**Corrective Action:** No action is required.

CTO004I SVCDUMP WAS CAPTURED SUCCESSFULLY.

**Explanation:** The Control-O or CMEM monitor successfully captured an SVC dump as a result of an internal process request. The monitor continues to operate normally.

**Corrective Action:** Verify that the dump has been successfully written to the system dump files.

CTO005E SVCDUMP WAS FAILED. A PARTIAL DUMP WAS TAKEN BECAUSE THE DUMP DATA SET DID NOT HAVE SUFFICIENT SPACE.

**Explanation:** The Control-O or CMEM monitor tried to dump the monitor and ECSA. The dump request failed because the dump dataset is too small to contain all the areas that are dumped. The monitor continues to operate normally.

**Corrective Action:** Increase the dump files, since they are too small for Control-O or CMEM requirements. Take into account that the ECSA is also dumped by the request.
CTO006E SVC Dump Captured Failed RC 8 Reason= reason (HEX).

**Explanation:** The Control-O or CMEM monitor tried to dump the monitor and ECSA storage areas. The dump request failed. The SDUMPX system service returns a return code of 8.

The monitor continues to operate normally.

**Corrective Action:** Refer to SDUMPX Reason Codes for Return Code 08 in IBM's *MVS Programming Authorized Assembler Services Reference*.

CTO007W Releasing Dead WSC At address JOBNAME= jobName ASID= number

**Explanation:** The Control-O or CMEM monitor found that the WSC block is marked as in use, but it is not in use.

The monitor continues to operate normally. It may issue an SVCDUMP request.

**Corrective Action:** If a SVCDUMP is taken, save it. If the message is issued often, send the following information to BMC Software Customer Support:

- The SVCDUMP file
- The monitor's SYSOUTs

BMC Software Customer Support will analyze the dump to find why the WSC was not released.

CTO008W Releasing WSC At address JOBNAME= jobName ASID= number

**Explanation:** The Control-O or CMEM monitor found that the WSC block has been marked as being in use for a very long time. Normally, the Control-O or CMEM process should hold the WSC block only for a very short time.

The monitor continues to operate normally. It may issue an SVCDUMP request.

**Corrective Action:** If a SVCDUMP is taken, save it. If the message is issued often, send the following information to BMC Software Customer Support:

- The SVCDUMP file
- The monitor’s SYSOUTs

BMC Software Customer Support will analyze the dump to find why the WSC was not released.

CTO009I Timeout WSC At address JOBNAME= jobName ASID= number

**Explanation:** The Control-O or CMEM monitor found that the WSC block has been marked as being in use for a very long time. Normally, the Control-O or CMEM process should hold the WSC block only for a very short time.

The monitor continues to operate normally. The monitor will check the WSC again in subsequent cycles and then decide what action to take.

**Corrective Action:** If a SVCDUMP is taken, save it. If the message is issued often, send the following information to BMC Software Customer Support:
The SVCDUMP file
The monitor’s SYSOUTs
BMC Software Customer Support will analyze the dump to find why the WSC was not released.

CTO046S BLDL/LOAD FAILED FOR THE MODULE "modName"

Explanation: Loading of the modName module failed.

Possible causes are:
- The IOA Load library is not in the load modules search list (STEPLIB + Linklist).
- There is insufficient memory.
- There is some other system-oriented reason, which may be found in the syslog.

Execution might stop.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.

Messages CTO100 through CTO1xx
This group includes messages for the Control-O product.

CTO100I {CONTROL-O | CTMCMEM} RELEASE x.x.xx MONITOR STARTED

Explanation: This information message is a normal message issued when the Control-O or CMEM monitor is started. The version of the monitor that is starting (x.x.xx) is indicated in the message text.

Corrective Action: No action is required.

CTO101S MONITOR STARTED WITH INCORRECT STORAGE KEY. CHECK PPT DEFINITION

Explanation: During initialization self-checks, the Control-O or CMEM monitor discovered that a storage key was specified that was not in the range from 1 through 7. The Control-O or CMEM monitor only works using storage keys 1 through 7.

The monitor terminates.

Corrective Action: Perform the following steps:
1. Define the CTOMTO7 in SYS1.PARMLIB(SCHED xx) with a key in the range from 1 through 7.
2. Refresh the SCHED xx using the MVS SET command.
3. Stop the Control-D subsystem by means of the command S IOASTERM,TYPE=D
4. Disconnect the IOA subsystem by means of the command S IOASDISC,SSNAME=ioa_subsystem
5. Start the Control-O or CMEM monitor.
6. Start the Control-D monitor and subsystem.
CTO102I CONTROL-D FUNCTIONS ENABLED

**Explanation:** This information message indicates that during Control-O monitor startup, an installed Control-D was detected. Therefore, Control-D functionality using DO CTD REQ was enabled.

**Corrective Action:** No action is required.

CTO102S {CONTROL-O | CTMCMEM} MONITOR IS NOT APF-AUTHORIZED

**Explanation:** The Control-O or CMEM monitor has lost APF-authorization. Possible causes are:

- The IOA Load library is not authorized.
- An internal error.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Make sure that the IOA Load library is authorized, and restart Control-O or CMEM.

CTO103E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

**Explanation:** An invalid parameter was passed to the Control-O or CMEM monitor by an operator modify (F) command. This is a header message for message CTO125I. A list of valid modify parameters is displayed on the operator console in message CTO125I.

The modify command is rejected.

**Corrective Action:** Enter a valid modify parameter.

CTO103W CONTROL-D FUNCTIONS DISABLED. "DO CTD REQ." WILL BE REJECTED

**Explanation:** During Control-O monitor startup, no installed Control-D was detected. Therefore, Control-D functionality using DO CTD REQ was disabled.

Monitor startup continues.

**Corrective Action:** Notify your INCONTROL administrator.

CTO104S BLDL/ATTACH FAILED FOR TASK taskName

**Explanation:** Initialization of one of the Control-O or CMEM monitor internal tasks failed.

Possible causes are:

- The task is not found in the IOA Load library.
- There is insufficient storage for the Control-O or CMEM monitor.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Call your systems programmer for assistance. If necessary, increase the Control-O or CMEM REGION size.

CTO105S UNRECOVERABLE ERROR ENCOUNTERED

**Explanation:** An unrecoverable error occurred in the operation of the Control-O or CMEM monitor.

The IOA Log usually contains a previous message concerning the error.
The Control-O or CMEM monitor shuts down with user abend 0006.

**Corrective Action:** Call your systems programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

CTO106S SUBTASK *taskName* ABENDED *abCode*

**Explanation:** The Control-O or CMEM monitor internal *taskName* has abended.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support for assistance.

CTO107I SHUT DOWN UPON REQUEST FROM OPERATOR

**Explanation:** This information message indicates that the Control-O or CMEM monitor is shutting down upon operator request.

The Control-O or CMEM monitor is shut down.

**Corrective Action:** No action is required.

CTO108S UNABLE TO ESTABLISH THE CROSS MEMORY ENVIRONMENT. STEP *stepName*

**Explanation:** Control-O or CMEM monitor could not establish the cross memory environment required for its operation.

**Corrective Action:** Call your systems programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance and provide the step name indicated in the message.

CTO109I CONTROL-O MONITOR IS SHUTTING DOWN. A NEW MONITOR WAS STARTED

**Explanation:** This information message indicates that a new Control-O or CMEM monitor has been started. This message is issued by the previous Control-O or CMEM monitor to indicate that it is shutting down.

The Control-O or CMEM monitor that was operating previously shuts down.

**Corrective Action:** No action is required.

CTO10A1 CONTROL-M FUNCTIONS ENABLED

**Explanation:** This information message indicates that during Control-O or CMEM monitor startup, Control-M was detected, and therefore, Control-M functions DO FORCEJOB and DO RESOURCE were enabled.

**Corrective Action:** No action is required.
CTO10BW CONTROL-M FUNCTIONS DISABLED. "DO FORCEJOB / RESOURCE" WILL BE REJECTED

**Explanation:** During Control-O or CMEM monitor startup, Control-M functions DO FORCEJOB and DO RESOURCE were disabled because no installed Control-M was detected. Monitor startup continues.

**Corrective Action:** Notify the INCONTROL administrator.

CTO10DW CTOPARM PARAMETER DAYTIMEO (cto_time) SHOULD BE EQUAL TO DAYTIMEM (ctm_time) OF CTMPARM.

**Explanation:** During the startup of the Control-O monitor, it was found that the value of the DAYTIMEO Control-O parameter was not identical with the value of the DAYTIMEM Control-M parameter.

The DAYTIMEO Control-O parameter sets the start of the work day for Control-O. The DAYTIMEM Control-M parameter sets the start of the work day for Control-M. Any discrepancy between these two parameters may result in the same time being interpreted differently by Control-O and Control-M.

The variables in this message are:
- **cto_time** - the value of the DAYTIMEO Control-O parameter
- **ctm_time** - the value of the DAYTIMEM Control-M parameter

Monitor startup continues.

**Corrective Action:** Contact your INCONTROL administrator.

CTO111E INVALID DATE IN ORDER/FORCE MODIFY COMMAND

**Explanation:** An invalid date was specified in the ORDER or FORCE modify command. If a date (D) is specified in the ORDER or FORCE modify (F) operator command, it must have a valid site-dependent format.

Valid formats are:
- **mmddyy**
- **ddmmyy**

The command is not executed.

**Corrective Action:** Issue the command with the correct date.

CTO112E SMFID smfid IS NOT DEFINED IN IOACPRM INSTALLATION PARAMETERS

**Explanation:** The Control-O or CMEM subsystem initialization routine is running under a CPU that was not defined in the IOACPRM member.

Possible causes are:
The CPU in which Control-O or CMEM runs is not defined in the IOACPRM member.

The computer in which Control-O or CMEM runs is a multi-CPU computer, and the SID parameter in the SMFPRMxx member in SYS1.PARMLIB does not define all the CPUs correctly.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Do the following:

1. Check that the SMF ID of the computer in which Control-O or CMEM is being initialized is defined in the list of SMF IDs in the IOACPRM member.
2. If the IOACPRM definition appears correct, check the SMF ID defined in SYS1.PARMLIB.
3. In a multi-CPU computer, issue from the console the MVS command D M=CPU to receive a listing of all CPU serial numbers, and compare them with the PARMLIB definition.

**CTO120I** CONTROL-O MONITOR SHUTTING DOWN

**Explanation:** This information message is produced by Control-O or CMEM when shutting down the Control-O or CMEM monitor by a P command, or on certain internal Control-O or CMEM events.

The IOA Log usually contains additional messages concerning the reason for the Control-O or CMEM shutdown.

Control-O or CMEM monitor shuts down.

**Corrective Action:** No action is required.

**CTO121S** CONTROL-O MONITOR ENDED WITH ERROR

**Explanation:** Highlighted, unrollable message.

A severe error has occurred. Control-O or CMEM monitor is shutting down.

The IOA and systems logs usually contain additional messages concerning the reason for the Control-O or CMEM shutdown.

Control-O or CMEM monitor shuts down. Before shutting down, the Control-O or CMEM monitor attempts to start a new CONTROLO or CMEM monitor to replace itself. If it cannot start after a few attempts, Control-O or CMEM gives up.

**Corrective Action:** Check the IOA and systems logs for additional messages, and take appropriate corrective action.

**CTO122S** NOT ENOUGH STORAGE IN EXTENDED CSA FOR *blockname*.

RETURN CODE= *rc*

**Explanation:** Control-O or CMEM was unable to acquire enough storage in ECSA for the specified control block (*blockname*).

Control-O acquires storage in ECSA for its working areas (WSC), and for wait elements (PND). The number of wait elements is specified by the WAITPR# parameter in the CTOPARM member.

CMEM acquires storage in ECSA for its working areas (WSC).

In this message, *rc* is the return code issued by the failed GETMAIN call.

Control-O or CMEM terminates.
Corrective Action: Check ECSA utilization of the system. For Control-O, if necessary, reduce the number of wait elements specified by the WAITPR# parameter in the CTOPARM member.

CTO123I CONTROL-O INTERVAL IS SET TO \textit{nn} SECONDS

Explanation: This information message is a result of setting a Control-O or CMEM sleeping interval by an operator command.

For more information, see the section on modifying the Control-O or CMEM sleeping interval in the \textit{INCONTROL for z/OS Administrator Guide}.

Control-O or the CMEM monitor will “wake up” every \textit{nn} seconds and check on time-related events.

Corrective Action: No action is required.

CTO124E INTERVAL MUST BE A TWO DIGIT NUMBER BETWEEN 01-99 SECONDS

Explanation: An invalid Control-O or CMEM sleeping interval was specified in an operator modify (F) command. The Control-O or CMEM sleeping interval must be a 2-digit number of seconds, from 01 through 99 seconds. For more information, see the section on modifying the Control-O or CMEM sleeping interval in the \textit{INCONTROL for z/OS Administrator Guide}.

Corrective Action: No action is required.

CTO124W CONTROL-O PARAMETER \textit{parmName}= \textit{parmValue}\{ > | < \} \textit{parmDefault}: USING DEFAULT VALUE

Explanation: When the Control-O monitor starts, it checks to ensure that the values of the parameters in CTOPARM are within the valid range. One of the parameters (\textit{parmName}) is set to a value (\textit{parmValue}) that is either too high (>) or too low (<).

Control-O resets the value of \textit{parmName} to the default value for that parameter, and the monitor continues its startup.

Corrective Action: Correct the value of \textit{parmName} in CTOPARM. If required, stop and restart the Control-O monitor.

CTO125I \textit{parmList}

Explanation: This information message provides a list of valid modify parameters that can be passed to the Control-O or CMEM monitor by an operator modify (F) command. This message appears after header message CTO125I.

Corrective Action: No action is required.

CTO126W LOAD OF IOADEST TABLE FAILED: DO SHOUT WILL NOT BE SUPPORTED

Explanation: During the startup of the Control-O monitor or the execution of a NEWDEST command, the Dynamic Destination table was not successfully loaded or renewed.

Monitor startup or operation continues. The Dynamic Destination table is not loaded or renewed. DO SHOUT requests will not be performed.
Corrective Action: Contact your INCONTROL administrator.

CTO127I NEWDEST COMMAND ACCEPTED

Explanation: This information message is a result of the acceptance of an operator NEWDEST command passed to the Control-O or CMEM monitor.

A new dynamic destination table is loaded. The next time that the Control-O or CMEM monitor sends a message using the SHOUT facility, it will use the new destination table.

Corrective Action: No action is required.

CTO128I RULE TYPE TABLE STATUS LIBRARY PRIORITY

Explanation: Normal response of the Control-O or CMEM monitor after the DISPLAY command is issued. This information message is the header of the list of rules being shown in response to the DISPLAY command.

Corrective Action: No action is required.

CTO129I ruleName type tableName status lib priority

Explanation: Messages sent by the Control-O or CMEM monitor to the console in response to the DISPLAY command. Each message describes a rule. These information messages are preceded by the MTO128I or CTO128I message, which supplies the header for each field.

Corrective Action: No action is required.

CTO12BI WISH WO0949 IS {ENABLED | DISABLED} - CICS LONG MESSAGES SUPPORT

Explanation: This information message is issued by the Control-O monitor when it enables or disables optional wish WO0949.

Corrective Action: No action is required.

CTO12CI WISH WO0975 IS ENABLED - MONITOR WILL WAIT UNTIL MIGRATED LIBRARIES WILL BE RESTORED

Explanation: This information message is issued by the Control-O monitor when it enables optional wish WO0975.

Corrective Action: No action is required.

CTO12DI WISH WO0975 IS DISABLED - MONITOR WILL IGNORE MIGRATED LIBRARIES

Explanation: This information message is issued by the Control-O monitor when it disables optional wish WO0975.

Corrective Action: No action is required.
CTO12EI  WISH WO0976 IS ENABLED - MESSAGES HANDLED AS IS

Explanation: This information message is issued by the Control-O monitor when it enables optional wish WO0976.

Corrective Action: No action is required.

CTO12FI  WISH WO0976 IS DISABLED - MESSAGES HANDLED IN UPPER CASE

Explanation: This information message is issued by the Control-O monitor when it disables optional wish WO0976.

Corrective Action: No action is required.

CTO130I  IN cond/Name date

Explanation: Messages sent by the Control-O monitor to the console in response to the DISPLAY command. The message describes the prerequisite conditions necessary for the rule to become eligible.

Corrective Action: No action is required.

CTO131I  TIME FROM hhmm UNTIL hhmm INTERVAL interval

Explanation: Messages sent by the Control-O monitor to the console in response to the DISPLAY command. This information message describes the time dependencies required by the specific rule in order to become eligible.

Corrective Action: No action is required.

CTO132I  REQUEST TO STOP THE CONTROL-M API ACCEPTED

Explanation: The Control-O monitor accepted an F CONTROLO,CTMAPISTOP command. The monitor confirms it received the command for execution.

Corrective Action: No action is required.

CTO133I  CONTROL-M API STOPPED

Explanation: The Control-O monitor successfully processed an F CONTROLO,CTMAPISTOP command. The monitor confirms it executed the command.

Corrective Action: No action is required.

CTO134I  {CONTROL-O | CTMCMEM} WORKING DATE HAS CHANGED FROM old_date TO new_date

Explanation: This information message is displayed when Control-O or CMEM changes the working date. In Control-O, the time is set according to the DAYTIMEO parameter in the CTOPARM member. In CMEM, the time is set according to the DAYTIMEO parameter in the CMMPARM member, which must be the same as the DAYTIMEM parameter in the CTMPARM member.

Control-O or CMEM monitor displays the new date.
**Corrective Action:** No action is required.

**CTO135I** {CONTROL-O | CTMCMEM} DEBUG LEVEL IS SET TO lvl

**Explanation:** This information message indicates that the Control-O or CMEM debug level was set by an operator modify (F) command.

The DEBUG level is set to a new level. Each debug level activates the trace option on different components of Control-O or CMEM.

**Corrective Action:** No action is required.

**CTO136E** DEBUG LEVEL MUST BE A NUMBER BETWEEN 0-255

**Explanation:** An invalid DEBUG level has been entered in the modify (F) operator command to activate Control-O or CMEM debugging facilities. Valid DEBUG levels are from 0 through 255. 0 specifies no debugging.

Issue the command with the correct debugging level. The required debugging level should be supplied by BMC Software Customer Support.

**Corrective Action:** No action is required.

**CTO136I** THE CONTROL-M API WILL BE RESTARTED WITH THE FIRST API REQUEST

**Explanation:** The Control-O monitor successfully processed anF CONTROLO,CTMAPISTART command.

**Corrective Action:** The monitor confirms that it executed the command, and that the next API request will reallocate the API resources (such the Control-M Active Job File or Control-M Resources file).

**CTO137S** INVALID PARAMETERS (parmList) PASSED TO THE {CONTROL-O | CTMCMEM} MONITOR

**Explanation:** One or more parameters passed to the Control-O or CMEM monitor in a start command are invalid.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** For additional information regarding starting a Control-O or CMEM monitor, see the INCONTROL for z/OS Administrator Guide. Check and correct the parameters, and start the Control-O or CMEM monitor again.

**CTO138I** CONTROL-O OPERATING MODE IS opermode

**Explanation:** This is one of two messages with the same ID, but different text. This information message indicates that the command MODE=RESUME,CANCEL, the command MODE=RESUME,CONTINUE, or a query about Control-O current status was issued.

Control-O resumes automatic processes.

**Corrective Action:** No action is required.
CTO138I CANNOT START THE CONTROL-M API - FIRST REQUEST
ALREADY PROCESSED

Explanation: This is one of two messages with the same ID, but different text.
The Control-O monitor successfully processed an F CONTROLO,CTMAPISTART command, but failed.
Either the monitor has already processed this command and also processed its first API request, or the
monitor processed a CTMAPISTOP command since it was started, and it already has processed API
requests.
Corrective Action: No action is required.

CTO139I {CONTROL-O | CTMCMEM} SUBSYSTEM subsys IS ALREADY
ACTIVE

Explanation: This information message indicates that the subsystem cannot be activated or initialized
because it has already been activated. This is a normal message during subsystem initialization, when
Control-O or CMEM determines that a subsystem was already activated by a previous monitor.
A new subsystem is not activated.
Corrective Action: No action is required.

CTO13AI WISH WO0986 IS NO LONGER SUPPORTED. USE MESSAGE
REROUTING FEATURE TO GET THE SAME SERVICE.

Explanation: Wish WO0986 was used in earlier Control-O releases to suppress message LDT507I from
being written to the IOALOG. As of Control-O 6.2.01, the same functionality is obtained using the
standard IOA Messages routing function.
The wish is ignored and Control-O or CMEM monitor starts. If you do not perform the following steps,
message LDT507I will be written to the IOALOG.
Corrective Action: Perform one of the following options:

- In order to prevent the message from being written to the IOALOG, add the following card to the
MSGROUT member in IOA.V620.PARM: MSGCODE=LDT507I, ROUT=(OUT)
- The constraint created by message LDT507I in previous releases can be prevented by increasing the
value of RQC# in CTOPARM. Generally, increase the RQC# by 10%.

CTO140I CONTROL-O OPERATING MODE IS opermode

Explanation: Highlighted, unrollable message
This information message indicates that Control-O issued a MODE=FREEZE, MODE=LOGONLY or
MODE=TRIGGERONLY command. The Control-O internal log indicates any rules that failed to run.
Control-O automatic processes act as follows:

- FREEZE - Control-O stops operating
- LOGONLY - Control-O continues logging but stops triggering new rules
- TRIGGERONLY - Control-O continues but only simulates the triggering of new rules.
Corrective Action: Possible responses are:
Stop Control-O and start a new Control-O monitor (recommended).

Issue command RESUME,CONTINUE. Control-O ignores rules in wait mode and continues.

Issue command RESUME,CANCEL. Control-O cancels rules in wait mode and continues.

CTO141W {CONTROL-O | CTMCMEM} MONITOR WAS CANCELLED BY OPERATOR

Explanation: Highlighted, unrollable message.

This message is issued when the Control-O or CMEM monitor is cancelled by an operator MVS cancel command.

The Control-O or CMEM monitor is shut down.

Corrective Action: No action is required.

CTO142S CONTROL-O MONITOR DETECTED AN INTERNAL abCode ABEND

Explanation: This message is issued when Control-O or CMEM has detected certain internal system abend codes during operation.

The Control-O or CMEM monitor shuts down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it cannot start after a few attempts, Control-O or CMEM ceases trying.

Corrective Action: Call your systems programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

CTO143I A NEW {CONTROL-O | CTMCMEM} MONITOR IS INITIATED

Explanation: This information message occurs after Control-O or CMEM detected an internal problem and started a new monitor as a recovery measure.

A new Control-O or CMEM monitor is started, and takes control over the current one.

Corrective Action: Check for additional messages in the IOA and system logs detailing the cause of the abend.

CTO144E INVALID ORDER/FORCE PARAMETERS

Explanation: An invalid syntax of ORDER or FORCE commands was passed to the Control-O or CMEM monitor by an operator modify (F) command. See the INCONTROL for z/OS Administrator Guide for additional information regarding the parameters of the ORDER or FORCE command.

The command is not executed.

Corrective Action: Correct the syntax of the ORDER or FORCE command.

CTO145S AUTOEDIT FAILED, RC= rc, REASON= rsn

Explanation: The Control-O or CMEM monitor failed to perform an AutoEdit function.

The problem was probably caused by a failure to read or write the global AutoEdit member, or invalid data in the global AutoEdit member.

The AutoEdit function is not performed.
**Corrective Action:** Consult the table of return codes and reason codes in the following table to determine the cause of the error, and correct accordingly. If the return code or reason code is not in the table, the cause of failure is an internal error. In this case, contact BMC Software Customer Support.

<table>
<thead>
<tr>
<th>Return Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>GETMAIN or FREEMAIN error</td>
<td></td>
</tr>
<tr>
<td>1 through 6</td>
<td>GETMAIN failure</td>
<td></td>
</tr>
<tr>
<td>7 through 10</td>
<td>FREEMAIN failure</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Variable not found</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Variable not found and RESOLVE flag is on.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>%%$COMMSYS value length error.</td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>%%$TIMEINT first argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>%%$TIMEINT second argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>%%$X2C argument length is greater than 4.</td>
<td></td>
</tr>
<tr>
<td>88</td>
<td>%%$DOLIMIT first argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>89</td>
<td>%%$RULE functions argument is out of rule stack.</td>
<td></td>
</tr>
<tr>
<td>90</td>
<td>%%$RULE functions argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>98</td>
<td>Global variable pool not found.</td>
<td></td>
</tr>
<tr>
<td>980</td>
<td>Internal error - global pool or database not found</td>
<td></td>
</tr>
<tr>
<td>982</td>
<td>Internal error - global pool or database not found</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Syntax error or general error</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Empty SET command.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Empty IF command.</td>
<td></td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>%%% not found in SET command.</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td>Separator not found after %%%.</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td>‘=’ not found in SET command.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>%%%$TIMEOUT value not numeric.</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - invalid parentheses.</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - too many values.</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>%%%$WAITKSL or %%%$TSO or %%%$CMD - invalid value (not YES/NO).</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>%%%$TIMEOUT - value too large.</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>%%%$STATID value length error.</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>%%%$AUTOLOG value length error.</td>
</tr>
<tr>
<td>37</td>
<td></td>
<td>%%%$AUTOSYS value length error.</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Function arguments not separated.</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Too few function arguments.</td>
</tr>
<tr>
<td>45</td>
<td></td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%%$CTMLINE# to a non-numeric value.</td>
</tr>
<tr>
<td>46</td>
<td></td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%%$CTMLINE# to a value greater than %%%$CTMLINES.</td>
</tr>
<tr>
<td>47</td>
<td></td>
<td>CTMLINE# &lt; 0 when trying to set %%%$CTMLINE# to a value less than 0.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>%%%$SUBSTR 2nd argument not numeric.</td>
</tr>
<tr>
<td>53</td>
<td></td>
<td>%%%$SUBSTR 3rd argument not numeric.</td>
</tr>
<tr>
<td>54</td>
<td></td>
<td>%%%$SUBSTR 2nd argument out of range.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>55</td>
<td>%%%$SUBSTR</td>
<td>3rd argument out of range.</td>
</tr>
<tr>
<td>56</td>
<td>%%%$RESOLVE</td>
<td>argument not recognized.</td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE</td>
<td>1st argument not numeric.</td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE</td>
<td>2nd argument not numeric.</td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE</td>
<td>1st argument out of range.</td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE</td>
<td>2nd argument out of range.</td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE</td>
<td>is too narrow.</td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE</td>
<td>1st argument not in valid format.</td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE</td>
<td>2nd argument not in valid format.</td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT</td>
<td>1st argument is not 11 digits in length.</td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT</td>
<td>1st argument is not numeric.</td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT</td>
<td>2nd argument is not 11 digits.</td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT</td>
<td>2nd argument is not numeric.</td>
</tr>
<tr>
<td>71</td>
<td></td>
<td>More than one operator in one line.</td>
</tr>
<tr>
<td>72</td>
<td></td>
<td>Less than two operands for an operator.</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>More than two operands for an operator.</td>
</tr>
<tr>
<td>75</td>
<td>%%%$D2X</td>
<td>argument length is greater than 10.</td>
</tr>
<tr>
<td>76</td>
<td>%%%$D2X</td>
<td>argument is not numeric.</td>
</tr>
<tr>
<td>77</td>
<td>%%%$D2X</td>
<td>argument number is greater than 2147483647 (2G).</td>
</tr>
<tr>
<td>78</td>
<td>%%%$X2D</td>
<td>argument length is greater than 8.</td>
</tr>
<tr>
<td>79</td>
<td>%%%$X2D</td>
<td>argument has an invalid character.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>First operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Second operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>83</td>
<td></td>
<td>$%$DIV 2nd operand is 0.</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G.</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G.</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of $%$PLUS case overflow.</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of $%$MINUS case overflow.</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric.</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>$%$GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Errors reading the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>Return Code ( rc)</td>
<td>Reason Code ( rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td>Errors writing the global member</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
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</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
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</tr>
<tr>
<td>40</td>
<td></td>
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</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>24</td>
<td>Program buffers shortage</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Not enough space in RSL buffer.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Arguments too long (ARG buffer overflow).</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program errors</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>No last non-blank for non-blank value in SET command.</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%%$IPLDATE for date formatting WO0816*.</td>
</tr>
<tr>
<td>36, 40, and 44</td>
<td>Global variables errors</td>
<td></td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>Return Code ( rc)</td>
<td>Reason Code ( rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range.</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Parse errors</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid type.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Place holder error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Position specification too long.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Non numeric.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Position null.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Section vector overflow.</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Variable buffer overflow.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
</tbody>
</table>

**CTO146W MISSING GLOBAL AUTOEDIT LIBRARY/MEMBER**

**Explanation:** During Control-O initialization, a Global AutoEdit member or its library was not found.

When Control-O is started, it reads the $GLOBAL member. A different Global library (in which a $GLOBAL AutoEdit member resides) is used for each computer (SMF ID) on which Control-O operates. Each unique library name is composed of the prefix defined in the GLBPREF parameter of the Control-O installation parameters, and as the last data set name qualifier, the letters CPU followed by the SMF ID of the specified computer.

Although Control-O will process Global variables, it will not read or write to this particular Global member/library.

**Corrective Action:** Check the designation of the GLBPREF parameter in the Control-O installation parameters. You must allocate a Global AutoEdit library for every computer in which Control-O runs. See “Control-O Operational Parameters” in the Control-O chapter of the *INCONTROL for z/OS Installation Guide*. 
CTO147I CONTROL-O INITIALIZATION COMPLETE. TYPE= type SUB= subsys RUN#= nnnn

Explanation: This information message indicates that Control-O or CMEM initialization has completed successfully and Control-O or CMEM facilities are active.

The variables in this message are:
- `type` - the type of the startup which was passed to Control-O or CMEM as a parameter in the START command. If no TYPE value was passed to Control-O or CMEM, the default is TYPE=REGULAR.
- `subsys` - the name of the subsystem that started Control-O or CMEM (JES2, JES3, MSTR, and so on)
- `nnnn` - the number of times Control-O was replaced by a new Control-O or CMEM

Control-O or CMEM facilities are now active.

Corrective Action: No action is required.

CTO148W CONTROL-O STATISTICS ALREADY ACTIVE

Explanation: Control-O received the F CONTROLO,STARTSTAT command to start the Message Statistics facility, but the facility was already active.

The STARTSTAT command is ignored.

Corrective Action: No action is required.

CTO149W CONTROL-O STATISTICS NOT ACTIVE

Explanation: Control-O received the F CONTROLO,STOPSTAT command to stop the Message Statistics Facility, but the facility was not active.

The STOPSTAT command is ignored.

Corrective Action: No action is required.

CTO14AE INVALID `modifyCommand` COMMAND KEYWORD = keyword

Explanation: Control-O or the CMEM monitor received the `modifyCommand` command with an invalid keyword.

The `modifyCommand` command is rejected.

Corrective Action: Correct the invalid command and reissue it.

CTO14BI SVC DUMP `keyword` NOW ENABLED

Explanation: This information message is in response to the modify SVCDUMP command, and indicates that a valid keyword has been enabled.

Corrective Action: No action is required.

CTO14CI SVC DUMP `keyword` NOW DISABLED

Explanation: This information message is in response to the modify SVCDUMP command, and indicates that a valid keyword has been disabled.
**Corrective Action:** No action is required.

**CTO14DW** SHUTDOWN IS DELAYED DUE TO XES SYSTEM-MANAGED REBUILD PROCESS. TO CANCEL THE DELAY REPLY "FORCE"

**Explanation:** Control-O or CMEM cannot shut down when an XAE structure is unavailable due to system-managed rebuild. Control-O will resume its termination process when the system-managed process finishes and the structure becomes available again.

When FORCE is replied, Control-O or CMEM will continue termination without waiting for the system-managed process to finish and the XAE structures to become available. Beware that after forcing immediate termination, the following may occur:

- Abends in processes accessing the IOA Global variables (subsystem environment, online, and so on.).
- Further delays in Control-O termination due to requests issued to the XAE structures when writing the IOA Global pools to the databases as part of the termination process may be deferred by the system-managed process in progress.

**Corrective Action:** None, unless immediate termination is required. If immediate termination is required, reply FORCE.

See System action for considerations before replying FORCE.

**CTO14EW** monitor INITIALIZATION IS CANCELLED. START monitor WHEN XAE STRUCTURES ARE AVAILABLE

**Explanation:** The operator replied CANCEL to message IOAFBCW to cancel Control-O or CMEM initialization, after connection to an XAE structure was prevented.

Control-O or CMEM terminates.

**Corrective Action:** Start Control-O or CMEM after making sure that:

- The coupling facility required for XAE structures is available.
- XAE structures, if already allocated, are available.

**CTO150I** SNAP COMMAND WAS PERFORMED. SNAP ID= *id*

**Explanation:** This information message indicates that Control-O or CMEM successfully executed the F CONTROLO,SNAP or F CMEM,SNAP command.

In this message, *id* is the snap ID as shown in the snap title.

A set of diagnostic snapshots is printed.

**Corrective Action:** No action is required.

**CTO151W** IOA LOG UPDATE FAILED. SOME MESSAGES MAY BE LOST

**Explanation:** Control-O or CMEM was unable to write messages to the IOA Log file. This message follows other messages indicating the cause of the error.

Processing continues. Some messages to the IOA Log file may be lost.

**Corrective Action:** Check the preceding messages and act accordingly.
CTO152I STANDALONE FACILITY ENABLED, rsn

**Explanation:** This information message indicates that Control-O is now entering standalone mode and will now update the IOA Log file.

When Control-M is active, update of the IOA Log file is performed by Control-M. When Control-M is not installed or inactive, update of the IOA Log file is performed by Control-O.

Control-O enters standalone mode and updates the IOA Log file.

**Corrective Action:** No action is required.

CTO153I STANDALONE FACILITY DISABLED, rsn

**Explanation:** This information message indicates that Control-O is exiting standalone mode.

When Control-O is in standalone mode, it updates the IOA Log file. When Control-M becomes active, Control-M takes over the updating of the IOA Log file.

Control-O exits standalone mode and Control-M takes over the updating of the IOA Log file.

**Corrective Action:** No action is required.

CTO154E CONTROL-O CANNOT START. CONTROL-M IS NOT INSTALLED

**Explanation:** Control-O was set to run with SMODE set to N, but Control-M, which must execute some activities on behalf of Control-O, is not installed. If the SMODE (Stand Alone mode) installation parameter is set to N, Control-M must be installed. If Control-M is not installed, SMODE must be set to Y.

Control-O terminates.

**Corrective Action:** Either install Control-M, or set the SMODE installation parameter to Y.

CTO155W SWAP OF addr CHAIN ERROR, TYPE= type RC= rc

**Explanation:** Control-O is unable to pass internal request blocks to the new Control-O monitor. This message indicates an internal error.

The old Control-O monitor terminates with an error. The new monitor, however, will continue processing. Some requests may be lost.

**Corrective Action:** Contact BMC Software Customer Support.

CTO156W AUTOMATION LOG STATUS UNCHANGED

**Explanation:** This warning message is issued in response to an invalid AUTOLOG MODIFY command. Either the specified parameter is invalid, or the user specified a MODIFY command (F CONTROLO,AUTOLOG=YES/NO) designed to set the Automation Log status to a status that it already had.

The status of writing to the Automation Log is unchanged.

**Corrective Action:** Verify the command and retry if necessary.
CTO157I action SERVER serverId REQUESTED

Explanation: This information message indicates that Control-O has begun performing the action requested in a SERVER MODIFY command.

Corrective Action: No action is required.

CTO158W action SERVER serverId FAILED - rsn

Explanation: Control-O was unable to execute the requested SERVER MODIFY command (action). Processing continues. The status of the server remains unchanged.

Corrective Action: Check the reason specified in the message and proceed accordingly.

CTO159E INVALID SERVER MODIFY COMMAND - cmd

Explanation: This message is issued in response to a SERVER MODIFY command with invalid parameters.

Processing continues. The command is ignored.

Corrective Action: Specify the MODIFY command with valid parameters.

CTO15AE INVALID SNAP KEYWORD = keyName

Explanation: The operator specified an invalid SNAP keyword in an F CONTROLO,SNAP/F CTMCMEM,SNAP command.

The CTOMTO program ignores this keyword. If there was only one keyword, no SNAP request is performed.

Corrective Action: Specify an F CONTROLO,SNAP/F CTMCMEM,SNAP command with valid keywords. For more information, see the SNAP command in the INCONTROL for z/OS Administrator Guide.

CTO15AI INTERNAL CONTROL-O DUMMY MESSAGE

Explanation: This information message is an internal message generated by Control-O.

An internal Control-O process is triggered.

Corrective Action: No action is required.

CTO15BE INVALID LOG KEYWORD = keyName

Explanation: The CTOMTO program detected an invalid keyword for the LOG request. Valid keywords are:

- ALL
- DEFAULT
- TRIGGER

The CTOMTO program ignores this LOG command request.

Corrective Action: Resubmit the F CONTROLO,LOG/F CTMCMEM,LOG command with a valid keyword.
CTO15CI RULE LOGGING MODE WAS SET TO modeType

**Explanation:** This information message indicates that Control-O or CMEM have successfully executed the F CONTROLO,LOG command. Rules will be traced according to the new log mode.

**Corrective Action:** No action is required.

CTO15DI WATERMARK INFORMATION: FREE= freeNum PND= waitNum EVC= execNum WSC= wscNum

**Explanation:** This Control-O or CMEM message displays statistics in response to a WATERMARKS command.

The variables in this message are:

- **freeNum**: the lowest number of RQC blocks that have been free simultaneously since the monitor was started. RQC blocks are used when information is being transferred from various address spaces to the address space of the monitor. A total of 20,000 RQC blocks are available.

- **waitNum**: the highest number of PND blocks that have been in use simultaneously since the monitor was started. PND blocks store information about rules that are in Wait mode, meaning rules that are in execution and waiting to be redispached. The allocation of PND blocks is controlled by the WAITPR# parameter.

- **execNum**: the number of events (meaning messages, commands, and so on) that have been handled by the monitor since it was started. This number is reset to zero each time it reaches 1,000,000.

- **wscNum**: the number of WSC blocks that are allocated for use by the monitor. WSC blocks store temporary information while handling events. The allocation of WSC blocks is controlled by the WSC# parameter.

**Note:**

The WATERMARKS command is currently supported for compatibility reasons only. More detailed statistical information about the usage of internal resources is available by means of the USAGESTATS command. For more information, see the **INCONTROL for z/OS Administrator Guide**.

**Corrective Action:** No action is required.

CTO15DW LOAD OF EXIT exitName FAILED, USER CHECKING IS NOT PERFORMED

**Explanation:** Loading of the exitName Control-O user exit by Control-O failed. Possible causes are:

- The installation is not using the exitName user exit, and erased the default exit supplied with Control-O.

- IOA Load library is not in the load modules search list of the job (STEPLIB and Linklist).

- There is insufficient storage to load the exit.

- Another system oriented reason which can be found in the MVS system log.

As a result, no user checking is performed for the rule order.
**Corrective Action:** Contact your INCONTROL administrator. This is a potential security risk. Someone may be attempting to violate security.

**CTO15EI type** USAGE: CURRENTLY currp%, HIGHEST highp%( curr AND high OUT OF total)

**Explanation:** This message displays usage statistics relating to internal Control-O or CMEM resources in response to a USAGESTATS command.

The variables in this message are:

- `type`: the type of resource to which the displayed usage statistics relate
  - Valid values are:
    - PND - PND blocks, also known as "wait elements" PND blocks hold information about rules that are in Wait mode, meaning rules that are in execution and waiting to be redispached. The allocation of PND blocks is controlled by the WAITPR# parameter.
    - RQC - RQC blocks, also known as "request elements" RQC blocks transfer information from various address spaces to the address space of the monitor. A total of 20,000 RQC blocks are available.
    - WSC - WSC blocks, also known as "work buffers" WSC blocks hold temporary information while handling events. The allocation of WSC blocks is controlled by the WSC# parameter.

- `currp%`: the percentage of the allocated `type` resources that are currently in use

- `highp%`: the highest percentage of `type` resources that have been in use simultaneously since the monitor was started

- `curr`: the amount of `type` resources currently in use

- `high`: the highest amount of `type` resources that have been in use simultaneously since the monitor was started

- `total`: the total amount of `type` resources currently allocated

**Corrective Action:** In normal circumstances, `highp%` should remain below 50%. If you notice higher usage percentages, contact your INCONTROL administrator. Possible causes are:

- There are rules in the system that consume excessive amounts of internal resources.
- Some parameters require adjustment to accommodate the workload of the system.

**CTO15FE INVALID USAGESTATS KEYWORD =arg**

**Explanation:** A USAGESTATS command was issued, to display usage statistics relating to internal Control-O or CMEM resources. However, the command contained an invalid argument.

In this message, `arg` is the invalid argument of the USAGESTATS command.

Valid arguments of the USAGESTATS command are:

- PND - requests statistics relating to PND blocks, also known as "wait elements" PND blocks hold information about rules that are in Wait mode, meaning rules that are in execution and waiting to be redispached. The allocation of PND blocks is controlled by the WAITPR# parameter.
- RQC - requests statistics relating to RQC blocks, also known as "request elements" RQC blocks transfer information from various address spaces to the address space of the monitor. A total of 20,000 RQC blocks are available.
• WSC - requests statistics relating to WSC blocks, also known as "work buffers". WSC blocks hold temporary information while handling events. The allocation of WSC blocks is controlled by the WSC# parameter.

• ALL - requests statistics relating to all resource types supported by the USAGESTAT command. The response to the command when this option is used is a series of CTO15EI messages.

  Alternatively, the USAGESTATS command can be issued with no argument, which is equivalent to issuing the command with the argument ALL.

For more information on the USAGESTATS command, see the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** Reissue the command in a valid format.

CTO15LE SERVER *server* IS NOT DEFINED

**Explanation:** A modify command F CONTROLO,SERVER=*server*,command has been issued for a server which has not been defined.

The command is ignored.

**Corrective Action:** Specify the correct server name.

CTO160I {CONTROL-O | CTMCMEM} SELECTOR STARTED

**Explanation:** This information message indicates the start of the Control-O Selector task, which controls the runtime selection criteria for rules.

**Corrective Action:** No action is required.

CTO161I {CONTROL-O | CTMCMEM} SELECTOR ENDED

**Explanation:** This information message indicates normal termination of the Control-O Selector task that controls the runtime selection criteria for rules.

**Corrective Action:** No action is required.

CTO162I INTERNAL CONTROL-O EVENT TRIGGERED

**Explanation:** This internal message triggers an ON EVENT rule after the criteria for triggering the rule have been satisfied. The text may include unprintable characters.

**Corrective Action:** No action is required.

CTO163I *cmd/Name* COMMAND COMPLETED

**Explanation:** This information message indicates the successful completion of a Control-O ORDER, FORCE, DELETE, READGLOBAL, or WRITEGLOBAL command.

**Corrective Action:** No action is required.

CTO163S OPEN FAILED FOR DDNAME "DARESF" OR "DASINC"

**Explanation:** Open of IOA Conditions or Resources file failed (the DARESF or DASINC DD statement).

Possible causes are:
The DARESF DD statement is missing.
The DASINC DD statement is missing.
The data set described by the DARESF DD statement is not the IOA Conditions or Resources file.
The data set described by the DASINC DD statement is not the Control-O Conditions or Resources Synchronization file.
The data set described by the DARESF DD statement is the Control-O Conditions or Resources file, but it is of a different version or of a different Control-O monitor.
The volume of this data set cannot be accessed by the Control-O monitor.
The data set is not on the volume specified in the Control-O procedure.
Control-O monitor shuts down with error message.

**Corrective Action:** Correct the JCL for the Control-O procedure, and restart the monitor.

CTO164S INTERNAL ERROR PROCESSING RESOURCE FILE FOR CONDITION `cond`

**Explanation:** An internal error occurred while the `cond` condition was being processed.
The Control-O monitor is terminated.

**Corrective Action:** Contact BMC Software Customer Support.

CTO166W COND `name date` NOT UPDATED BY CONTROL-O - NO MORE SPACE. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Highlighted, unrollable message.

There is no more space for adding output conditions to the IOA Conditions file.
The record for the specified day of the month is full. For example, if a condition with date reference of January 3rd cannot be added, an entry in the conditions file which contains conditions for January 3rd, February 3rd, March 3rd, and so on, is full.
The format for the date specified in this message is `mmdd`.
The condition is not added. A highlighted message is displayed on the operator console. Control-O or CMEM continues to function, but the rules that depend on the condition may not be triggered.

**Corrective Action:** Perform the following immediate actions and then perform the long term actions described below.

**Immediate actions:**

1. Enter the IOA Conditions list (Screen 4).
2. Look for conditions with the same day (but with a different month) as the condition that could not be added. Delete them manually if they are not needed.
3. Add the failing condition manually in order to maintain production flow.
4. Report the event to your System Programmer.

**Long term actions:**
Run the IOACLCOND utility more often.

Increase the record length of the IOA Conditions file. For more information on how to do this, see the description of expanding IOA files in the INCONTROL for z/OS Administrator Guide.

CTO168I COND name date ALREADY action

Explanation: This information message indicates that the user requested an action that has already been performed.

The user either tried to add a condition that already exists or tried to delete a condition that had already been deleted.

Corrective Action: No action is required.

CTO169W COND name date NOT ADDED BY CONTROL-O - GLOBAL DATE ADDITION IS NOT SUPPORTED

Explanation: A DO COND statement in a rule requested the addition of the specified condition with date **** or $$$$. This date specification is valid only when conditions are being deleted.

The DO COND request is not performed.

Corrective Action: Correct the DO COND statement.

CTO171S STATISTICS FILE OVERFLOW

Explanation: All Statistics file index entries are in use. No new statistics can be accumulated.

The Statistics Facility could not accumulate statistics because the number of message ID’s exceeds the maximum number of allowable entries in the Statistics file.

Statistics accumulation stops.

Corrective Action: Please review the following recommendations; then format the Statistics file and restart the Statistics Facility:

1. Enlarge the Statistics file by using the following procedure:
   a. Increase the value of the STREC# parameter in CTOPARM.
   b. Delete or rename the old Statistics file to allow a new Statistics file allocation.
   c. Allocate and format a new Statistics file.

2. Use AutoEdit option %%%STATID to customize message ID determination. This option can be used to decrease the number of message IDs that are generated. See the INCONTROL for z/OS Administrator Guide for more information.

CTO172S STATISTICS FILE IS NOT FREE

Explanation: The Statistics file is locked.

Either the Statistics file is in use by another Control-O monitor or utility, or Control-O abended previously while updating the Statistics file.

Statistics accumulation is not performed.
Corrective Action: Check if another Control-O monitor or utility uses this Statistics file. If this is not the case, then reformat the Statistics file and restart the Statistics Facility.

CTO173S OPEN OF STATISTICS FILE FAILED
Explanation: The Control-O Statistics facility attempted to open the Statistics file but did not succeed. Failure to open the Statistics file may be due to the following:
- The data set allocated to DD statement DASTF was not formatted as a Control-O Statistics file.
- The data set allocated to DD statement DASTF was formatted as a Control-O Statistics file by a different version of Control-O.
- The data set allocated to DD statement DASTF belongs to a different installation of Control-O.
Statistics accumulation is not performed.
Corrective Action: Look for previous MVS error messages regarding the opening of the Statistics file. Correct the error and rerun the job.

CTO174S FILE ALLOCATED TO DDNAME "DASTF" IS NOT A CONTROL-O STATISTICS FILE
Explanation: The Control-O Statistics Facility attempted to read the file allocated to DD name DASTF, but it is not a formatted Statistics file.
Statistics accumulation is not performed.
Corrective Action: Format the Statistics file and restart the Statistics Facility.

CTO175E RELEASE OF THE STATISTICS FILE IS NOT SUPPORTED BY THIS RELEASE
Explanation: The format of the Statistics file is not supported by the current release of Control-O. The Statistics file could not be read by the Control-O Statistics Facility.
The Statistics file was formatted by an earlier release of Control-O.
Statistics accumulation is not performed.
Corrective Action: Format the Statistics file in the currently supported format, and restart the Statistics Facility.

CTO176E THE STATISTICS FILE BELONGS TO A DIFFERENT CONTROL-O MONITOR
Explanation: The assigned ID of the Statistics file does not match the ID of the Control-O monitor.
When a Statistics file is formatted, it is associated with a particular Control-O monitor. The CTOMFST Statistics Formatting utility takes the ID of the Control-O monitor from the QNAME parameter of CTOPARM, and assigns it to the Statistics file.
The ID of the active Control-O monitor does not match the assigned ID of the Statistics file. The likely cause of the error is that the value of QNAME was changed without reformatting the Statistics file.
Statistics accumulation is not performed.
Corrective Action: Format the Statistics file with the correct Control-O ID and restart the Statistics Facility.

CTO177S CONTROL-O STATISTICS SEVERE INTERNAL ERROR, ID= code
Explanation: The Control-O Statistics Facility encountered an internal error.
In this message, code is the internal error code.
Statistics accumulation stops.
Corrective Action: Look for previous messages to identify the cause of the problem and contact BMC Software Customer Support.

CTO178S STORAGE ALLOCATION FOR STATISTICS FAILED
Explanation: Storage allocation for the Control-O Statistics Facility failed because the Statistics Facility could not obtain enough working storage for processing.
Statistics accumulation is not performed.
Corrective Action: Increase the Control-O region size and restart a new Control-O monitor.

CTO179S I/O ERROR ACCESSING THE STATISTICS FILE
Explanation: A READ/WRITE error occurred when accessing the Statistics file.
Statistics accumulation stops.
Corrective Action: Look for previous MVS error messages regarding Statistics file I/O errors, and correct accordingly. If MVS messages do not clarify the error, please contact BMC Software Customer Support.

CTO180S CONTROL-O STATISTICS FILE INTERNAL ERROR. RECORD TYPE MISMATCH
Explanation: The Statistics Facility has encountered a corruption in the Statistics file. The Statistics file cannot be processed.
Statistics accumulation stops.
Corrective Action: Contact BMC Software Customer Support.

CTO181S CONTROL-O STATISTICS INTERNAL ERROR. WRITE FAILED FOR SECTION section
Explanation: Due to an internal error, update of the Statistics file failed while writing a section of the Statistics file.
Statistics accumulation stops.
Corrective Action: Contact BMC Software Customer Support.

CTO182S CLOSE OF CONTROL-O STATISTICS FILE FAILED
Explanation: During termination, the Control-O Statistics Facility failed to close the Statistics file.
The Statistics Facility continues terminating without closing the Statistics file.
Corrective Action: Check the system log for previous error messages. If none are found, please contact BMC Software Customer Support.

CTO184I  CONTROL-O STATISTICS ACCUMULATION STARTED
Explanation: This informative message indicates that the Control-O Statistics Facility initialization completed successfully and that Control-O statistics are being accumulated.
Corrective Action: No action is required.

CTO185S  CONTROL-O STATISTICS INITIALIZATION ERROR
Explanation: Control-O Statistics Facility did not initialize successfully.
Statistics accumulation is not performed.
Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.

CTO186E  STATISTICS ACCUMULATION ERROR WHILE PROCESSING SUBSYSTEM REQUESTS
Explanation: The Statistics Facility detected an error while processing requests from the Control-O subsystem.
Statistics accumulation stops.
Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.

CTO187E  STATISTICS ACCUMULATION ERROR DURING FILE UPDATE
Explanation: The Statistics Facility detected an error while updating the Statistics file.
Statistics accumulation stops.
Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.

CTO189I  CONTROL-O STATISTICS ACCUMULATION ENDED
Explanation: This informative messages is issued after normal termination of the Statistics Facility.
Statistics accumulation is discontinued.
Corrective Action: No action is required.

CTO190S  CONTROL-O STATISTICS TERMINATION ERROR
Explanation: Control-O Statistics Facility did not terminate successfully.
The Statistics Facility continues the termination process.
Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.
CTO191S STATISTICS ACCUMULATION ERROR WHILE PROCESSING USER REQUESTS

**Explanation:** The Statistics Facility detected an error while processing a SHOW, EXCLUDE or RESET online user request.

Statistics accumulation stops.

**Corrective Action:** Look for previous error messages in the IOA Log to determine the cause of the error, and correct accordingly.

CTO192E STATISTICS REQUEST FOR MESSAGE ID msgId FAILED - MESSAGE ID NOT FOUND

**Explanation:** A SHOW, EXCLUDE or RESET request for message ID msgId failed.

An online user requested a SHOW/EXCLUDE/RESET for message ID msgId. This message ID was not found in the Statistics file.

The online request is not performed. The Statistics Facility continues processing.

**Corrective Action:** Notify BMC Software Customer Support of the problem.

CTO193E STATISTICS REQUEST FOR MESSAGE ID msgId FAILED - INVALID REQUEST

**Explanation:** Due to an internal error, the user’s online request regarding message ID msgId was not recognized.

The request is not performed. The Statistics Facility continues processing.

**Corrective Action:** Notify BMC Software Customer Support.

CTO194W WAITING FOR THE STATISTICS FILE. FILE IN USE

**Explanation:** Control-O is attempting to access the Statistics file, but it is in use by another Control-O monitor or Control-O utility.

Control-O waits and attempts to access the Statistics file again.

**Corrective Action:** This message is not necessarily the result of an error. It may be issued while generating a statistics report or when the Online Facility attempts to access the Statistics file. If the Statistics file is not freed in a reasonable period of time, check what job is using it and free it.

CTO195E RESET OF STATISTICS FOR MESSAGE ID msgId FAILED

**Explanation:** An online user requested a RESET of the statistics for message ID msgId, but due to internal error, the request could not be performed by Control-O.

The RESET request is not performed. The Statistics Facility continues processing.

**Corrective Action:** Notify BMC Software Customer Support.

CTO196S STATISTICS FILE DYNAMIC ALLOCATION ERROR rc/rsn/dsn

**Explanation:** Dynamic allocation of Statistics file dsn failed with return code rc and reason code rsn.
Statistics accumulation is not performed.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* to determine this cause of the error, and correct the error accordingly. If not successful, contact BMC Software Customer Support.

**CTO197I** CONTROL-O STATISTICS GLOBAL RESET COMPLETE

**Explanation:** This information message indicates that the global statistics reset command F CONTROLO, RESETSTAT was issued and performed successfully.

**Corrective Action:** No action is required.

**CTO198E** RESET OF DATE FOR MESSAGE ID msgId FAILED

**Explanation:** Statistics for message ID msgId were reset as requested, but due to an internal error, update of the last reset date was not successful.

Statistics are reset. The Statistics Facility continues processing, but the indicated last reset date is incorrect.

**Corrective Action:** Notify BMC Software Customer Support.

**CTO1A0E** INVALID PARAMETERS, OR NULL COMMAND

**Explanation:** No command or mask was specified as selection criteria for display in the Option COMMAND window.

The selection window remains displayed.

**Corrective Action:** Specify a mask or operator command to be displayed.

**CTO1A1E** INTERNAL ERROR: ONLY ACTIONS "GETLINES" OR "END" ARE SUPPORTED

**Explanation:** The CTOTMCS Automation Options program was invoked with an invalid action. This message indicates an internal error.

The option is not performed.

**Corrective Action:** Contact BMC Software Customer Support.

**CTO1A3E** INVALID TIME INTERVAL PARAMETER

**Explanation:** The PARM menu definition statement for this option specifies an invalid time interval. The PARM statement for a menu option can specify the time interval between the issuing of the command and the collection of response messages.

The option is not performed.

**Corrective Action:** Correct the menu definition, and choose the menu option again.

**CTO1A6E** CONSOLE ERROR. R15 = rc, REASON- CODE = rsn

**Explanation:** The MVS Extended MCS Console facilities used by Option COMMAND detected an error. The return code rc and reason code rsn are returned by the MCSOPER MVS macro.
The option is not performed.

**Corrective Action:** For an explanation of rc and rsn, see the appropriate IBM manuals.

**CTO1A8E CONSOLE name IN USE. TRY AGAIN LATER**

**Explanation:** The MVS Extended MCS Console specified in the message is being used by another user. The console name is the same as the user name used by the IOA Online Facility. Either the same user name is being used by different users, or a previous console session was not closed correctly.

The option is not performed.

**Corrective Action:** Use operator command DISPLAY CONSOLES to determine who is using the console. If under TSO, log off from TSO and log on again to free any previous session.

**CTO1ABE COMMAND INVOCATION DENIED BY SECURITY EXIT**

**Explanation:** The user requested an operator command that cannot be issued by the Control-O Automation Options Facility because security exit IOASE07 detected a security violation.

The command is not issued.

**Corrective Action:** Contact your security administrator.

**CTO1ACE VM COMMAND NOT ISSUED; MVS NOT RUNNING UNDER VM**

**Explanation:** A VM command was requested by means of the Automation Options facility. Such a command can be issued only when MVS runs under VM.

The command is not issued.

**Corrective Action:** No action is required.

**CTO1ADW VM COMMAND OUTPUT TRUNCATED**

**Explanation:** The response of the IOA VM command interface exceeded the 4096 bytes that the buffer can hold. The remainder of the response is truncated.

**Corrective Action:** Change the command so it can be held in the available buffer of 4096 bytes.

**CTO1B2E INTERNAL ERROR: ONLY ACTIONS "GETLINES" OR "END" ARE SUPPORTED**

**Explanation:** Option CONSOLE was invoked with an invalid action. This message indicates an internal error.

The option is not performed.

**Corrective Action:** Contact BMC Software Customer Support.

**CTO1B3E MCS CONSOLE IS INACTIVE OR NOT FOUND**

**Explanation:** The console name or console ID specified for option CONSOLE could not be found.

The option is not performed.

**Corrective Action:** Do the following:
1. Verify the console name and ID. You can use the MVS operator command DISPLAY CONSOLES to do this.

2. Specify the option with a valid console name or ID.

Messages CTO200 through CTO2xx
This group includes messages for the Control-O product.

CTO200I {CONTROL-O | CTMCMEM} EXECUTOR STARTED

**Explanation:** This information message is the normal start message of the Control-O or CMEM Executor task that handles tasks that cannot be executed by the Control-O or CMEM subsystem. Certain of these actions require communication with other IOA products.

**Corrective Action:** No action is required.

CTO201I {CONTROL-O | CTMCMEM} EXECUTOR ENDED

**Explanation:** This information message is the normal termination message of the CONTROLO or CMEM Executor task that handles tasks that cannot be executed by the CONTROLO or CMEM subsystem. Certain of these actions require communication with other IOA products.

**Corrective Action:** No action is required.

CTO202S ERROR ALLOCATING THE SUBSYSTEM-TO-MONITOR COMMUNICATION DATASET

**Explanation:** The CONTROLO or CMEM monitor failed to allocate the subsystem-to-monitor communication file. The communication file links the CONTROLO or CMEM and Control-M monitors.

Possible causes are:

- The communication file is not cataloged on the correct disk.
- The communication file is cataloged in a catalog that cannot be accessed from the local CPU.
- The MVS allocation exit failed the allocation request.
- A security product failed the allocation request.
- The data set was not specified correctly in the Control-M CPU installation parameter in the IOACPRM member.
- The data set was never allocated. That is, the Control-M Console Subsystem was not installed in the current computer.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Check the potential reasons for the error listed above. Correct as necessary, and restart the Control-O or CMEM monitor.
**CTO203S** THE SUBSYSTEM-TO-MONITOR COMMUNICATION DATASET COULD NOT BE OPENED

**Explanation:** The Control-O monitor failed to open a subsystem-to-monitor communication file. The communication file links the Control-O or CMEM and Control-M monitors. Possible causes are:

- A communication file was incorrectly defined.
- The MVS DADSM exit failed the open request.
- A security product failed the open request.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Check the communication files that are in use, and make sure that they were properly defined, formatted, and cataloged. In addition, make sure that no restrictions are imposed, for example by MVS or a security package, and the like.

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**CTO204S** I/O ERROR WHILE READING THE MONITOR-TO-SUBSYSTEM COMMUNICATION DATASET

**Explanation:** The Control-O monitor could not read a monitor-to-subsystem communication file due to an I/O error. The communication file links the Control-O or CMEM and Control-M monitors. The Control-O monitor-to-subsystem communication file may not have been formatted correctly during Control-M Installation Procedure, or may have been incorrectly modified.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** For formatting information, see the section that describes how to install the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the *INCONTROL for z/OS Installation Guide*. Reformat or restore as necessary, and restart the Control-O or CMEM monitor.

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**CTO205S** ERROR ALLOCATING THE MONITOR-TO-SUBSYSTEM COMMUNICATION DATASET

**Explanation:** The Control-O monitor failed to allocate the monitor-to-system communication file. The communication file links the Control-O or CMEM and Control-M monitors.

Possible causes are:

- The communication file is not cataloged on the correct disk.
- The communication file is cataloged in a catalog that cannot be accessed from the local CPU.
- The MVS allocation exit failed the allocation request.
- A security product failed the allocation request.
- The data set was not specified correctly in the Control-M CTM2SBS installation parameter in IOACPRM.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Check the potential reasons for the error listed above. Correct as necessary, and restart the Control-O or CMEM monitor.
CTO206S THE MONITOR-TO-SUBSYSTEM COMMUNICATION DATASET COULD NOT BE OPENED

Explanation: The Control-O or CMEM monitor failed to open a monitor-to-subsystem communication file. The communication file links the Control-O or CMEM and Control-M monitors. Possible causes are:

- A communication file was incorrectly defined.
- The MVS DADSM exit failed the open request.
- A security product failed the open request.

The Control-O or CMEM monitor shuts down.

Corrective Action: Check the communication files that are in use, and make sure that they were properly defined, formatted and cataloged. In addition, make sure that no restrictions are imposed by MVS, a security package, and so on.

CTO207S I/O ERROR WHILE READING THE SUBSYSTEM-TO-MONITOR COMMUNICATION DATASET

Explanation: The Control-O or CMEM monitor could not read a subsystem-to-monitor communication file due to an I/O error. The communication file links the Control-O or CMEM and Control-M monitors. The Control-O or CMEM subsystem-to-monitor communication file may not been formatted correctly during Control-M Installation procedure, or may have been incorrectly modified.

The Control-O or CMEM monitor shuts down.

Corrective Action: For formatting information, see the section that describes how to install the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the INCONTROL for z/OS Installation Guide. Reformat or restore as necessary, and restart the Control-O or CMEM monitor.

CTO208S INVALID FORMAT OF THE SUBSYSTEM-TO-MONITOR COMMUNICATION DATASET

Explanation: The Control-O or CMEM subsystem-to-monitor communication file has not been formatted correctly during the Control-M Installation Procedure or may have been incorrectly modified.

The Control-O or CMEM monitor shuts down.

Corrective Action: For formatting information, see the section that describes how to install the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the INCONTROL for z/OS Installation Guide. Reformat or restore as necessary, and restart the Control-O or CMEM monitor.

CTO209S OPEN OF THE CONTROL-O TRACE FILE FAILED. DDNAME DAACTLOG

Explanation: The Control-O monitor failed to open the trace file used when Control-O is operating in LOG and TEST modes.

The Control-O monitor shuts down.

Corrective Action: Make sure that DD name DAACTLOG is allocated to the Control-O monitor, or if no trace is required, to DUMMY.
CTO20BE SYSTEM LOGGER REQUEST \textit{req} FAILED: \textit{R15= r15 RETURN= rc REASON= rsn}

**Explanation:** One of the following System Logger requests failed:

- DEFCFS, IXGINVNT - Define coupling facility structure.
- DEFLGS, IXGINVNT - Define log stream.
- CONLGS, IXGCONN - Connect to log stream.
- WRI/TEL, IXGWRITE - Write a log stream log block.
- BRW/SEL, IXGBRWSE - Browse a log stream log block.
- DELETL, IXGDELET - Delete a log stream log block.
- DISLGS, IXGCONN - Disconnect from log stream.
- DELLGS, IXGINVNT - Delete log stream.
- DELCFS, IXGINVNT - Delete coupling facility structure.

CMEM issues $r15$. Possible values of $r15$ are:

- 08 - Minor System Logger request error.
- 12 - Intermediate System Logger request error.
- 16 - Major System Logger request error.
- 20 - Permanent System Logger request error.
- 24 - Internal CMEM error
- 28 - Operating system does not support System Logger interface.
- 32 - Internal CMEM error.

To determine the system action, check the descriptions of return and reason codes in the IBM manual *MVS Programming: Assembler Services Reference*, where they are described for each System Logger request separately.

**Corrective Action:** If you cannot correct the problem, call BMC Software Customer Support.

CTO20CW IOACPRM NOT DEFINED. CMEM FUNCTION IS NOT SUPPORTED

**Explanation:** During Control-O or CMEM start up, the IOACPRM member was not found in the IOA PARM library, and therefore could not be loaded.

Initiation of CMEM fails CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.

**Corrective Action:** Have the INCONTROL administrator check if the situation is valid. If not, create the IOACPRM member in the IOA PARM library and restart the Control-O or CMEM monitor.
CTO20DW NO CPU ENTRY FOR THIS SYSTEM WAS DEFINED. CMEM FUNCTION IS NOT SUPPORTED

Explanation: During Control-O or CMEM start up, the IOACPRM member in the IOA PARM library does not contain the definition for the system where the Control-O or CMEM monitor is active.

Initiation of CMEM fails. CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.

Corrective Action: Have the INCONTROL administrator check if the situation is valid. If not, add the definitions for the current system to IOACPRM, and restart the Control-O or CMEM monitor.

CTO20EW S2M FILE WAS NOT DEFINED IN CPU ENTRY. CMEM FUNCTION NOT SUPPORTED

Explanation: During Control-O or CMEM start up, Control-O or CMEM could not allocate the Subsystem-to-Monitor file S2M, because the name of the file is missing from the definition of the current system in the IOACPRM.

Initiation of CMEM fails. CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.

Corrective Action: Call the INCONTROL administrator to check if the situation is valid. If not, add the name of the Subsystem-to-Monitor file S2M and the definitions for the current system to the IOACPRM in the IOA PARM library, and restart the Control-O or CMEM monitor.

CTO20FE NO CMMPLEX MEMBER. CMEM FUNCTION NOT SUPPORTED

Explanation: During Control-O or CMEM start up, the CMEM Logger facility was required, but the CMMPLEX member that should contain the definition of the logger was not found.

Initiation of CMEM fails. CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.

Corrective Action: No action is required.

CTO210E INVALID DATE date IN A DO COND STATEMENT

Explanation: An invalid date reference format was used in a DO COND statement.

Valid date reference formats are:

- ODAT - Control-O or CMEM working date (default)
- DATE - Current Gregorian computer date
- PREV - Previously scheduled activation date for rule
- NEXT - Next scheduled activation date for rule
- mmdd - Month and day of the scheduling date
- ddmm - Day and month of the scheduling date
- %% xx - An AutoEdit symbol.

Corrective Action: Correct the date format, and reorder the rule table.
CTO211I INTERNAL TIMEOUT DETECTED BY CONTROL-O

**Explanation:** This information message indicates that a rule remained in Command-Response mode or Wait mode for longer than specified in the TIMEOUT subparameter.

The rule continues executing.

**Corrective Action:** No action is required.

CTO212W CONTROL-O WAITING FOR SUBSYSTEM CONSOLE

**Explanation:** A Command-Response rule could not obtain a subsystem console because all valid subsystem consoles were in use by other Command-Response rules.

Command execution is delayed until the next Control-O interval, when a new attempt to obtain a subsystem console will be made.

**Corrective Action:** Check the Status screen for Command-Response rules which are executing. Verify that the number of Command-Response rules with a status of EXECUTING matches the number of subsystem consoles.

If this message is issued frequently, there may be an insufficient number of subsystem consoles to handle the Command-Response rules. In this case, increase the number of subsystem consoles in CTOPARM, and define new subsystem consoles to MVS accordingly. For details about subsystem console definition, see the Control-O chapter of the *INCONTROL for z/OS Installation Guide*.

CTO213E NO VALID SUBSYSTEM CONSOLE EXISTS

**Explanation:** A Command-Response rule could not obtain a subsystem console because no valid subsystem consoles were allocated by Control-O. The cause of the problem is probably in the subsystem console definition.

The command is not executed.

**Corrective Action:** Make sure that the NUMCONS parameter in CTOPARM is greater than zero, and that the correct number of subsystem consoles is defined in MVS. For details about subsystem console definition, see the Control-O chapter of the *INCONTROL for z/OS Installation Guide*.

If the console subsystem definition does not seem to be the cause of the problem, check for previous console allocation error messages, and contact BMC Software Customer Support.

CTO214E MAXIMUM NUMBER OF DO TSO/KSL REQUESTS WAS EXCEEDED. TSO/KSL PROCESSING IS ABORTED

**Explanation:** In the process of executing DO TSO or DO KSL requests, all of the TSP (TSO PARM) blocks in CSA or ECSA were used. Possible causes are:

- A JCL error in the TSO or KSL procedure.
- Started tasks in the system are not being processed due to system corrective measures, such as auxiliary storage shortage.

Further TSO or KSL requests are temporarily suspended until at least one TSP is available.

**Corrective Action:** If started tasks are not processed due to system corrective measures, wait until they run and their corresponding TSP blocks are freed.
If a started task failed due to a JCL error, perform the following recovery action:

1. Correct the JCL error.
2. Manually reissue the START command that Control-O previously issued, that is, S O2TTSCOM,PARM=parm, where parm is in the console log or the Control-O JES log.

This action frees one TSP, and message CTO215I is issued when the next TSO or KSL request is processed. TSPs also become available when Control-O is brought down after a standard shutdown or an IPL.

CTO215I TSO/KSL PROCESSING IS RESUMED

**Explanation:** This information message indicates that normal TSO or KSL processing resumed. TSO or KSL processing was suspended as a result of a shortage of TSP blocks. For more details see message CTO214E.

**Corrective Action:** No action is required.

CTO216W REQUEST PROCESSING BYPASSED DUE TO CONTROL-O STANDALONE MODE

**Explanation:** A DO RESOURCE or DO FORCEJOB request was made when Control-M was not installed. These statements are not supported if Control-M is not installed.

The rule is not ordered.

**Corrective Action:** Correct the rule or install Control-M.

CTO217E COND name date NOT action BY {CONTROL-O | CTMCMEM} - SECURITY VIOLATION

**Explanation:** Control-O issued a DO COND request, but the prerequisite condition was not added or deleted. There is no authorization by the security exit to add or delete this condition in the IOA Conditions file.

The DO COND request is ignored and the rule continues execution.

**Corrective Action:** Contact your INCONTROL administrator.

CTO218E COMMAND cmdName NOT ISSUED BY {CONTROL-O | CTMCMEM} - SECURITY VIOLATION

**Explanation:** There is no authorization for the requested DO COMMAND statement. Security exit IOASE012 detected a violation. This exit is invoked for each command issued by a rule in which value OWNER or TRIGGER was specified for the RUNITSEC parameter.

The DO COMMAND statement is ignored and the rule continues execution.

**Corrective Action:** Contact your INCONTROL administrator.

CTO219E RUNTIME SECURITY CACHE INITIALIZATION ERROR - rsn

**Explanation:** This message indicates an internal error.

Control-O or CMEM continues to perform security checks without a security cache.
Corrective Action: Contact BMC Software Customer Support.

CT021AE M2S FILE IS OF ANOTHER INSTALLATION QNAME qname1. IOA QNAME qName2 DSN dsn

Explanation: The Control-O or the CMEM monitor could not allocate the monitor to the Monitor-to-Subsystem (M2S) file of another IOA environment. During initialization the Control-O or the CMEM monitor compares the QNAME in the IOA environment with the QNAME in the M2S file. They should match.

CMEM stops. Control-O issues the CTO21FS and CTO21SE messages.

Corrective Action: Respond to the CTO21SE message. Then check the CTMPARM member and do one of the following:

- If it points to the wrong file, correct the name and start a new monitor.
- If there is no problem in the CTMPARM member, the M2S file was created in a different IOA environment. Delete the file and create a new M2S file using the correct IOA environment (IOAPARM).

CT021BE S2M FILE IS FOR SMFID smfid QNAME qName1. IT DOES NOT MATCH IOA QNAME qName2 DSN dsn

Explanation: The Control-O or the CMEM monitor could not allocate the subsystem to the Subsystem-to-Monitor (S2M) file of another IOA environment. During initialization the Control-O or the CMEM monitor compares the qName1 in the IOA environment with the qName2 in the S2M file. They should match.

CMEM stops. Control-O issues the CTO21FS and CTO21SE messages.

Corrective Action: Respond to the CTO21SE message. Then check the IOACPRM member and do one of the following:

- If it points to the wrong file, correct the name, compile the member and start a new monitor.
- If there is no problem in the IOACPRM member, the S2M file was created in a different IOA environment. Delete the file and create a new S2M file using the correct IOA environment.

CTO21CI M2S FILE FOR IOA QNAME qName. DSN= dsn

Explanation: This information message identifies the Monitor-to-Subsystem (M2S) file that the Control-O or the CMEM monitor allocated for communication with the Control-M monitor. qName is defined in the M2S file with the DSN dsn.

Corrective Action: No action is required.

CTO21DI S2M FILE FOR SMFID smfid QNAME qName DSN= dsn

Explanation: This information message identifies the Subsystem-to-Monitor (S2M) file that the Control-O or the CMEM monitor allocated for communication with the Control-M monitor. QNAME is defined in the S2M file with the DSN dsn.

Corrective Action: No action is required.
CTO21EE REPLY ABORT, CONTINUE OR TERMINATE

**Explanation:** The error described in message CTO21ES prevents communication between the Control-O monitor and Control-M. The response to this message determines the next action. The subtask is suspended until a response to this message is received.

**Corrective Action:** Select one the following responses:

- **ABORT** - Abend the Control-O monitor.
- **CONTINUE** - Disable communication with Control-M.
- **TERMINATE** - End Control-O monitoring with a return code of 8.

CTO21EI THE REPLY TO MESSAGE EX021EE WAS: *reply*

**Explanation:** The information message echoes the response to message CTO21EE.

**Corrective Action:** No action is required.

CTO21ES SUBSYSTEM TO CONTROL-M MONITOR FUNCTION DISABLED

**Explanation:** An error occurred during initialization of Subsystem-to-Monitor (S2M) communication for the Control-O monitor. Initialization checks failed for the function that communicates with the Control-M monitor. For details, see previously issued error messages in the JOBLOG or IOA Log file.

Control-O issues the CTO21EE message.

**Corrective Action:** Respond to the CTO21EE message.

CTO21FE SUPPORT FOR 'DO FORCEJOB' AND 'DO RESOURCE' IS DISABLED

**Explanation:** Either Control-O disabled communication with Control-M because of a CONTINUE response to message CTO21EE, or a DO FORCEJOB or DO RESOURCE statement was encountered during execution of a Control-O rule with communication disabled. DO FORCEJOB, DO RESOURCE and NEWCONLIST requests from Control-M are ignored.

**Corrective Action:** No action is required.

CTO220I CONTROL-O ALLOCATED *num* SUBSYSTEM CONSOLES

**Explanation:** This information message indicates that during Control-O startup, Control-O allocated *num* subsystem consoles for use by the DO COMMAND with WAITRESP Y. The number *num* must be equal to the value of the NUMCONS parameter in the CTOPARM member in the IOA PARM library.

Control-O acquires the allocated subsystem consoles and uses them for the DO COMMAND with RESPMODE set to Y.

**Corrective Action:** If the value of *num* is less than the number defined in CTOPARM by the NUMCONS= *num* statement, define more subsystem consoles in the system. For information on how to do this, see the description of the NUMCONS parameter in CTOPARM and subsystem consoles in the Control-O Installation chapter of the *INCONTROL for z/OS Installation Guide*.
INCONTROL for z/OS Messages Manual

CTO221I CONTROL-O RELEASED THE SUBSYSTEM CONSOLES

Explanation: This information message is the normal message issued during Control-O termination if subsystem consoles were allocated.

The subsystem consoles that were allocated to Control-O are freed during termination of the Control-O monitor.

Corrective Action: No action is required.

CTO222W NO CONSOLES ARE AVAILABLE FOR CONTROL-O

Explanation: Control-O could not allocate subsystem consoles during initialization, as specified in the NUMCONS parameter in the CTOPARM member.

No subsystem consoles are allocated.

Corrective Action: Define a sufficient number of MVS consoles for Control-O use. If other products use a subsystem console, calculate the number of subsystem consoles required for all products. For more details, see the Control-O installation chapter in the INCONTROL for z/OS Installation Guide, and to the relevant MVS manuals.

CTO223W INSUFFICIENT NUMBER OF CONSOLES ARE AVAILABLE FOR CONTROL-O

Explanation: Control-O attempted to allocate subsystem consoles during initialization but not enough consoles are available.

All the available subsystem consoles are allocated by Control-O. This message is followed by message CON220I which details how many consoles were allocated for Control-O use.

Corrective Action: Decrease the number of consoles required for Control-O (the NUMCONS parameter in CTOPARM), or define a sufficient number of consoles for Control-O use in MVS. If other products use a subsystem console, calculate the number of subsystem consoles required for all products. For more details, see the Control-O installation chapter in the INCONTROL for z/OS Installation Guide, and the relevant MVS manuals.

CTO224E ERROR IN SUBSYSTEM CONSOLE SERVICE ROUTINE. FUNCTION= func RC= rc. A SNAP IS PRODUCED

Explanation: Control-O attempted to perform an OBTAIN or RELEASE function on a subsystem console. The subsystem console service routine failed to perform the requested function.

The system action varies, depending on whether Control-O was initializing or terminating at the time of its issue, as follows:

- If the message was issued during Control-O initialization, Control-O does not use subsystem consoles.
- If the message was issued during Control-O termination, Control-O stops releasing the subsystem consoles. If not all the subsystem consoles were released, they remain allocated until a new Control-O monitor is started or until an IPL is performed.

Snap dumps are produced with the relevant control blocks.

Corrective Action: Save the snap dumps and call your INCONTROL administrator for assistance.
CTO225E INSUFFICIENT STORAGE FOR THE CONSOLE func FUNCTION

Explanation: There is insufficient storage in the Control-O address space to perform the OBTAIN or RELEASE subsystem console function.

The system action varies, depending on whether Control-O was initializing or terminating at the time of its issue, as follows:

- If the message was issued during Control-O initialization, Control-O does not use subsystem consoles.
- If the message was issued during Control-O termination, Control-O stops releasing the subsystem consoles. If not all the subsystem consoles were released, they remain allocated until a new Control-O monitor is started or until an IPL is performed.

Corrective Action: Increase the region size specified in the Control-O procedure.

CTO226E INSUFFICIENT STORAGE IN (EXTENDED) CSA. CANNOT_ALLOCATE SUBSYSTEM CONSOLES

Explanation: This message is issued during Control-O initialization when there is insufficient space in CSA or ECSA for Control-O console-related control blocks.

Control-O initialization continues without using subsystem consoles.

Corrective Action: Check if the storage defined for CSA or ECSA is large enough. If not, increase the CSA or ECSA size.

CTO227E ERROR IN SUBSYSTEM CONSOLE PROCESSING. REQUEST= reqCode FUNCTION= func ERRCODE={ abCode|rsn }

Explanation: The subsystem console service routine abended when attempting to perform the OBTAIN or RELEASE function for a subsystem console, and the function was not performed or was performed partially.

The system action varies, depending on whether Control-O was initializing or terminating at the time of its issue, as follows:

- If the message was issued during Control-O initialization, Control-O will not use subsystem consoles.
- If the message was issued during Control-O termination, Control-O stops releasing the subsystem consoles. If all the subsystem consoles were not released, they remain allocated until a new Control-O monitor is started or until an IPL is performed.

Abend and snap dumps are produced.

Corrective Action: Save the abend and snap dumps and call your INCONTROL administrator for assistance.

CTO228I CONTROL-O ALLOCATED num EMCS CONSOLES

Explanation: This information message indicates that Control-O allocated a total of num EMCS CONSOLES according to the definitions in the CTOPARM member.

Corrective Action: No action is required.
CTO229I CONTROL-O ALLOCATED num EMCS CONSOLES WITH MIG IDS

Explanation: This information message indicates that Control-O allocated a total of num EMCS CONSOLES with migration IDs according to the definitions in the CTOPARM member.

Corrective Action: No action is required.

CTO22AE CONTROL-O ALLOCATED EMCS CONSOLE ERROR. IOAMCS RC= rc REASON= rsn CONSOLE= consoleName

Explanation: Control-O failed to allocate an EMCS CONSOLE. The MCSOPER service ended with an error. When this happens, Control-O attempts to allocate an EMCS CONSOLE in order to issue a command or message. However, the attempt failed.

Control-O ignores the console.

Corrective Action: Do the following:
1. Record the return code (rc), reason number (rsn), and console name (consoleName). For information about MCSOPER, see the manual for the IBM authorized macro services.
2. Correct the definitions of the EMCS CONSOLE in the CTOPARM EMCSCONS.
3. STOP the Control-O monitor and start a new monitor.

CTO22BE CONTROL-O ALLOCATED EMCS CONSOLE ERROR. CONVCON RC= rc REASON= rnum CONSOLE= consoleName

Explanation: Control-O failed to allocate an EMCS CONSOLE. CONVCON service ended with an error. When this happens, Control-O attempts to allocate an EMCS CONSOLE in order to issue a command or message. However, the attempt failed.

Control-O ignores the console.

Corrective Action: Do the following:
1. Record the return code (rc), reason number (rsn), and console name (consoleName). For information about CONVCON, see the manual for the IBM authorized macro services.
2. Correct the definitions of the EMCS CONSOLE in the EMCSCONS parameter in the CTOPARM member.
3. STOP the Control-O monitor and start a new monitor.

CTO230E SUBSYSTEM subsys INITIALIZATION FAILED - JES COMMAND SUPPRESSION NOT ACTIVATED

Explanation: During Control-O initialization, Control-O failed to activate the Control-O subsystem that suppresses JES2 commands. To suppress JES2 commands, Control-O uses the subsystem whose name is specified in the statement JCMDSSN= subsys in the CTOPARM member in the IOA PARM library.

Control-O initialization continues, but the JES2 command suppression function is disabled.

Corrective Action: Notify the INCONTROL administrator.
CTO231E SUBSYSTEM subsys WAS NOT PRE-DEFINED - JES COMMAND SUPPRESSION NOT ACTIVATED

Explanation: During Control-O initialization, Control-O failed to activate the Control-O subsystem that suppresses JES2 commands, because the subsystem was not properly predefined. To suppress JES2 commands, Control-O uses the subsystem whose name is specified in the statement JCMDSSN= subsys in the CTOPARM member in the IOA PARM library. This subsystem should be, but was not, defined in SYS1.PARMLIB(IEFSSN xx), and activated in the last IPL before Control-O is started.

Control-O initialization continues, but the JES2 command suppression function is disabled.

Corrective Action: Notify the INCONTROL administrator.

CTO234W SUBSYSTEM subsys ALREADY INACTIVE

Explanation: During Control-O termination, Control-O tried to deactivate the IOA subsystem and the Control-O subsystem currently in use, but the subsystem identified in the message was already inactive.

Control-O termination continues.

Corrective Action: Notify the INCONTROL administrator.

CTO235W subsys ALREADY ACTIVE

Explanation: During Control-O initialization, Control-O tried to activate the IOA subsystem and the Control-O subsystem, but the subsystem identified in the message was already active.

Control-O initialization continues.

Corrective Action: Notify the INCONTROL administrator.

CTO236E SUBSYSTEM NAME IS NOT SPECIFIED IN IOAPARM

Explanation: The subsystem initialization routine found a blank subsystem name definition in the IOAPARM member.

Corrective Action: Correct the SSNAME parameter in the IOAPARM member to specify a valid subsystem name, and check that the other subsystem-related parameters were defined correctly.

If Control-D subsystem functions are requested, check the AMNAME parameter in CTDPARM and correct if necessary.

CTO237E ERROR WHILE ATTEMPTING TO LOCATE (BLDL) ONE OF THE SUBSYSTEM FUNCTION ROUTINES

Explanation: Control-O could not find at least one of the alternate subsystem function routines.

While attempting to activate the alternate subsystem, Control-O could not find at least one of the alternate subsystem function routines in the STEPLIB library or concatenation of libraries.

Control-O continues without activating the alternate subsystem.

Corrective Action: Verify that these modules exist in the STEPLIB library or concatenation of libraries and reactivate Control-O.
CTO238E ERROR WHILE ATTEMPTING TO LOAD ONE OF THE SUBSYSTEM FUNCTION Routines

**Explanation:** Control-O could not load at least one of the alternate subsystem function routines. While attempting to activate the alternate subsystem, Control-O could not find at least one of the alternate subsystem function routines in the STEPLIB library or concatenation of libraries. Control-O continues without activating the alternate subsystem.

**Corrective Action:** Verify that these modules exist in the STEPLIB library or concatenation of libraries and reactivate Control-O.

CTO239E ERROR WHILE ATTEMPTING TO ACQUIRE STORAGE FOR SUBSYSTEM FUNCTION ROUTINES OR THE SSVT

**Explanation:** Control-O could not acquire enough CSA (Common Service Area) storage to load alternate subsystem function routines or to build the SSVT for the alternate subsystem. Control-O continues without activating the alternate subsystem.

**Corrective Action:** If storage defined for CSA is not large enough, increase the CSA size and perform an IPL.

CTO23AI ALTERNATE SUBSYSTEM `subsys` SUCCESSFULLY INITIALIZED

**Explanation:** This information message indicates that the CTOSSO module successfully activated the alternate subsystem.

**Corrective Action:** No action is required.

CTO240I NEWCONLIST COMMAND RECEIVED. THE CMEM TABLE WAS RELOADED SUCCESSFULLY

**Explanation:** This information message indicates that the Control-M or Control-O subsystem functions received the NEWCONLIST request from the Control-M monitor, and accordingly reloaded (refreshed) the CMEM table. The Control-M or Control-O subsystem functions reloaded the CMEM table.

**Corrective Action:** No action is required.

CTO240W STATISTICS FILE NEARLY FULL - percentage USED

**Explanation:** Highlighted, unrollable message.

The Statistics file is approaching its maximum capacity. The Statistics file continues accumulating statistics until it becomes full.

**Corrective Action:** The user can do one of the following:
Reformat the Statistics file using the DEFSTAT installation job. This deletes all saved statistics and restarts the tracking process.

Enlarge the Statistics file using the CTOCSF utility. This retains the existing statistics and increases the space available for the tracking of new message IDs.

Do nothing. If the Statistics file becomes full, statistics of message IDs which exist in the file will continue to be tracked, but new message IDs will not be added to the file.

CTO241E STATISTICS FILE IS FULL. NEW MESSAGE IDS WILL BE LOST

Explanation: Highlighted, unrollable message.

The Statistics file is full.

All statistics records according to the number (STREC#) set in the CTOPARM parameter file have been utilized.

Control-O continues to collect statistics for existing messages, but the statistics for new message IDs are not saved.

Corrective Action: The user can do one of the following:

- Reformat the Statistics file using the DEFSTAT installation job. This deletes all saved statistics and restarts the tracking process.
- Enlarge the Statistics file using the CTOCSF utility. This retains the existing statistics and enables new message IDs to be tracked.
- Do nothing. Statistics of message IDs which exist in the file will continue to be tracked. Statistics of new message IDs will not be tracked.

CTO250E RUNTIME SECURITY CLEANUP FAILED, RC= rc

Explanation: An error occurred during interface with the locally used security product.

Control-O or CMEM continues working.

Corrective Action: Contact BMC Software Customer Support.

CTO251I RUNTIME SECURITY REFRESH ENDED OK

Explanation: This information message indicates a normal response to operator command F CONTROLO,NEWSECDEF or F CTMCMEM,NEWSECDEF. The runtime security cache containing previously handled security definitions was successfully refreshed.

If security definitions were changed, the new definitions are used.

Corrective Action: No action is required.

CTO252I SNMP REQUEST HOST=hostname PORT=portNumber SEVERITY=s TEXT=msgText

Explanation: This information message is an audit message that logs a DO SNMP request executed by Control-O.

Corrective Action: No action is required.
CTO253E SNMP REQUEST ERROR, RETURN CODE=$rc$, REASON CODE=$rsn$

**Explanation:** Control-O tried to send an SNMP request using a DO SNMP statement, but the request contained an error.

Possible return and associated reason codes are described in the following table:

<table>
<thead>
<tr>
<th>Return Code ( rc )</th>
<th>Reason Code ( rsn )</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>00</td>
<td>Successful completion, minor errors discovered.</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>SHL value exceeds 70, truncated.</td>
</tr>
<tr>
<td>08</td>
<td>04</td>
<td>Failed to get local IP address.</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>Failure to get storage for an SNMP trap.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Allocation storage has failed.</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Hostname could not be resolved.</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>SNMP trap sending failed.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Socket call failed.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Internal error; buildTrapMessage() failed.</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>See message SNMT10S for details.</td>
</tr>
<tr>
<td></td>
<td>36</td>
<td>See message SNMT11S for details.</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>See message SNMT12S for details.</td>
</tr>
<tr>
<td></td>
<td>44</td>
<td>See message SNMT13S for details.</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>See message SNMT14S for details.</td>
</tr>
<tr>
<td></td>
<td>52</td>
<td>See message SNMT15S for details.</td>
</tr>
<tr>
<td></td>
<td>56</td>
<td>See message SNMT16S for details.</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>See message SNMT17S for details.</td>
</tr>
<tr>
<td></td>
<td>64</td>
<td>See message SNMT18S for details.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>68</td>
<td></td>
<td>See message SNMT19S for details.</td>
</tr>
<tr>
<td>72</td>
<td></td>
<td>See message SNMT20S for details.</td>
</tr>
<tr>
<td>76</td>
<td></td>
<td>See message SNMT21S for details.</td>
</tr>
<tr>
<td>80</td>
<td></td>
<td>See message SNMT22S for details.</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>See message SNMT23S for details.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>ISTACK parameter is specified in the IOAPARM member and the system has TCP/IP dual stack mode, but the specified stack is not running.</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>Invalid IPv6 destination. The destination contains the colon (:) character, but the address is not a syntactically valid IPv6 address.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>SNMP destination contains the colon (:) character, but IPv6 is not enabled in the z/OS system.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Missing SNMP message address.</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Invalid or missing SNMP message length.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Neither Destination Table nor HOST and PORT provided.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Bad or missing HOST parameter when no Destination Table.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Bad or missing PORT parameter when no Destination Table.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid Destination Table.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Specified Destination Table unavailable.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Specified Translation Table unavailable.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>An invalid IP address was provided in HOST.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------</td>
<td>------------------------------------------------</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Internal error.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Invalid or missing MCT address.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid or missing SNMV vector.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Failure to load IOAMEM.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Insufficient storage to read Destination Table.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Destination Table is empty.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Destination Table unavailable.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Insufficient storage to build Destination Table.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>IOASNMC failed SNMV not initialized.</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Call can be issued after MODE=INIT only.</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Failure to refresh Destination Table.</td>
</tr>
</tbody>
</table>

The DO SNMP request is not sent, and fails.

**Corrective Action:** Notify the INCONTROL administrator.

CTO254E {CONTROL-O | CTMCMEM} SECURITY ENVIRONMENT CLEANUP FAILED BY USER EXIT RC= rc REASON= rsn

**Explanation:** The IOASECUR security module was unable to delete the security environment. This message indicates an internal error.

**Corrective Action:** Contact BMC Software Customer Support.

CTO255W CONTROL-O SERVER ERROR. SERVER id reason

**Explanation:** A server action cannot be performed because the server is not in the expected status. An action was attempted on a server that is either stuck or has disappeared.

Server status is set to IN ERROR.

**Corrective Action:** Do the following:
1. Check the sysout of the server in error for the cause of the error.
2. Correct the detected errors, for example, errors in the JCL.
3. Restart the server.
CTO25FW MONITOR USE SYSPRINT SYSOUT INSTEAD OF ACTLOG SYSOUT

Explanation: Control-O monitor or CMEM monitor tries to write a message to ACTLOG sysout. The DD card ACTLOG is missing from the Control-O or CMEM procedure.

The monitor writes the message to the SYSPRINT sysout. In the monitor address space this may cause ABEND S02A with a return code of 0C in some cases. Since the Monitor can recover itself from the abend, the monitor is not immediately terminated.

Corrective Action: Add the following DD statement to the Control-O procedure (CTOTROLO) and the CMEM procedure (CTMCME):

```
//ACTLOG DD &OUTLIST,SYSOUT=&OUT
```

CTO260E EXECUTION OF VM/CP COMMAND ABORTED. RC= rc

Explanation: A DO COMMAND statement specifying a VM CP command failed. The return code indicates the cause of the error, as follows:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>MVS not running under VM.</td>
</tr>
<tr>
<td>8</td>
<td>Insufficient space (GETMAIN failed).</td>
</tr>
<tr>
<td>12</td>
<td>IOAVMC not APF authorized.</td>
</tr>
<tr>
<td>16</td>
<td>FREEMAIN error.</td>
</tr>
</tbody>
</table>

The specified command is ignored.

Corrective Action: The recommended action depends on the return code, as follows:

- 4 - Correct the rule containing this DO COMMAND statement.
- 8 - Increase the region size of the Control-O monitor.
- 12 or 16 - Contact BMC Software Customer Support for assistance.

CTO261I ATTEMPTING TO RECONNECT TO MVS SYSTEM LOGGER DUE TO ERROR rsn

Explanation: Control-O or CMEM has detected an MVS System Logger error, and is attempting to reconnect to the MVS System Logger.

In this message, rsn is a reason code that is documented in the IBM manual "MVS Programming: Assembler Services Reference." Check that publication for the system action relevant to the reason code in the message. Each System Logger request is in a separate section of the guide. The reason codes are described in the topic “Return and Reason Codes” for the IXGWRITE System Logger request.

Control-O or CMEM tries several times to reconnect to the MVS System Logger.

Corrective Action: No action is required.
CTO262E  ATTEMPT TO RECONNECT TO MVS SYSTEM LOGGER FAILED

Explanation: Control-O or CMEM detected an MVS System Logger error, and attempted several times to reconnect to the MVS System Logger, without success.

Corrective Action: No action is required.

CTO263E  MVS SYSTEM LOGGER ERROR - CMEM FEATURE DISABLED

Explanation: Control-O or CMEM detected an MVS System Logger error. Either this error was so severe as not to be recoverable, or Control-O or CMEM attempted several times to reconnect to the MVS System Logger, without success.

Control-O or CMEM has stopped attempting to reconnect to the MVS System Logger. The CMEM facility is deactivated.

Corrective Action: If and when the MVS System Logger becomes operational, stop and restart the Control-O or CMEM monitor.

CTO26AI  text

Explanation: Ignore this message. It is an internal message used by Control-O to pass information to Control-M/Links for Distributed Systems executing in a WINDOWS NT machine using MVS console emulation, when Control-O processes a DO CTOPCMSG statement. The message text contains the event that should trigger the rule on Control-M/Links for Distributed Systems.

Corrective Action: No action is required.

CTO26BI  text

Explanation: Ignore this message. It is an internal message used by Control-M/Links for Distributed Systems in a WINDOWS NT machine to satisfy the ON CTOPCMSG event that triggers the rule. Control-M/Links for Distributed Systems passes the information in this message to Control-O using its MVS console emulation.

Corrective Action: No action is required.

CTO271I  text

Explanation: Ignore this message. It is an internal message used by the CTOJ FRQ Control-O IEFJ FRQ exit module to trigger a SYSOUT event. The text may include unprintable characters.

Corrective Action: No action is required.

CTO272I  CTOJ FRQ EXIT POINT SUCCESSFULLY REMOVED

Explanation: This information message indicates that as part of its termination process, the Control-O monitor successfully disabled and removed dynamic exit IEFJ FRQ, which uses the CTOJ FRQ module. Control-O uses the CTOJ FRQ module for ON SYSOUT and/or JES2 command suppression function.

Corrective Action: No action is required.
CTO273W CTOJ FRQ EXIT POINT NOT REMOVED RC = rc REASON CODE = rsn

**Explanation:** Upon termination, the Control-O monitor failed to disable and remove dynamic the exit IEFJ FRQ that uses the CTOJ FRQ module. This exit should have been disabled and removed upon monitor termination. Control-O uses the CTOJ FRQ module for ON SYSOUT and/or JES2 command suppression function.

Control-O terminates without removing the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. This may cause an S0C4 code in various jobs under the subsystem interface. In this case, MVS automatically disables the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module.

**Corrective Action:** Inform the system programmer, and check the return code and reason code of macro CSVDYNEX in the IBM manual *MVS Programming: Authorized Assembler Services Reference*.

CTO274E ERROR WHILE LOADING CTOJ FRQ EXIT POINT

**Explanation:** When Control-O monitor started, it failed to load and enable the IEFJ FRQ dynamic exit, which uses the CTOJ FRQ module. This exit should have been loaded at monitor startup. Control-O uses the CTOJ FRQ module for ON SYSOUT and JES2 command suppression function.

Control-O starts without enabling the IEFJ FRQ dynamic exit that uses the CTOJ FRQ module. As a result, ON SYSOUT and JES2 command suppression functions will not be active.

**Corrective Action:** Inform your system programmer.

CTO275E CTOJ FRQ EXIT POINT NOT INSTALLED RC = rc REASON CODE = rsn

**Explanation:** When the Control-O monitor started, it failed to load and activate the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. This exit should have been loaded and activated at monitor startup. Control-O uses the CTOJ FRQ module for ON SYSOUT and/or JES2 command suppression function.

Control-O starts without enabling the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. Therefore, ON SYSOUT and/or JES2 command suppression functions will not be active.

**Corrective Action:** Inform your system programmer and check the RC and REASON CODE of the CSVDYNEX macro in the *IBM OS/390 Authorized Macros and Services Guide*.

CTO276I CTOJ FRQ EXIT POINT SUCCESSFULLY INSTALLED

**Explanation:** This information message indicates that when the Control-O monitor started, it successfully enabled the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. Control-O uses the CTOJ FRQ module for ON SYSOUT and/or JES2 command suppression function.

**Corrective Action:** No action is required.

CTO281I usr msg

**Explanation:** This information message displays the message issued from a Control-O rule.

(Note: CTO281I cannot be trapped with an ON MESSAGE rule and therefore it cannot trigger any rule.)

**Corrective Action:** No action is required.
CTO282I text (userId)

Explanation: Highlighted, unrollable message.
This information message is activated by the SHOUT facility.
In this message, userId is the user ID of the job order requesting the SHOUT.

Corrective Action: No action is required.

CTO284I text

Explanation: Ignore this message. It is an internal message used by the CMEM executor module to trigger a CMEM event using ON DSNEVENT and ON STEP. The text may include unprintable characters.

Corrective Action: No action is required.

CTO285E OID= orderId JOB TERMINATED BY CONTROL-O DUE TO ‘STOPJOB’ REQUEST

Explanation: Control-O stopped job execution due to a DO STOPJOB statement. This message is issued for all DO STOPJOB statements for events, except data set events for an NCT2 disposition.
The steps following the current step are not executed.

Corrective Action: No action is required.

CTO285W RULE ruleName SUSPENDED AT THRESHOLD num. TABLE table LIB library

Explanation: The rule identified in the message was suspended because it reached the rule threshold limit, which determines the maximum number of times a rule may be triggered. The rule threshold limit is defined in the THRESHOLD parameter in the CONTROL section of the CTOPARM member in the IOA PARM library.
The rule is suspended.

Corrective Action: Check why the rule reached the limit, and if there is a problem correct it. Adjust the threshold value, if needed, or use the Rule Status screen to release the rule from its SUSPEND state.

CTO286E ALL REQUEST ELEMENTS IN USE. REQUEST ABORTED

Explanation: Control-O could not obtain a free element. Control-O has an internal queuing request mechanism that obtains a request from a free chain, and puts it on one of various work chains. Once processing is complete, the request is returned to the free chain. This message is issued when trying to obtain a free request element, and there are none available.
The request is aborted.


CTO288E MAXIMUM NUMBER OF ‘DO’ STATEMENTS EXCEEDED.

Explanation: A rule executed more than 10,000 DO statements. This message is followed by another message containing the name of the problematic rule.
In order to avoid an infinite loop, only a limited number of DO statements can be executed. The default setting is 10,000. You can override this default by setting `%DOLIMIT` to a higher value.

The rule is aborted.

**Corrective Action:** Either correct the rule to perform less than 10,000 DO statements, or set `%DOLIMIT` to a higher value.

**CTO289E GLOBAL DATE IS NOT SUPPORTED FOR ADD CONDITION REQUESTS**

**Explanation:** The `dateref` field in the DO COND statement contains wildcard symbols (##### or *****).

The rule is aborted or ignored.

**Corrective Action:** Specify a distinct date in the `dateref` field.

**CTO28AE MAXIMUM NUMBER OF NESTED RULES EXCEEDED**

**Explanation:** The maximum number of nested rules executed in response to a DO RULE statement has been exceeded. Rules can be nested up to 20 deep.

The rule at the twenty first level is aborted or ignored.

**Corrective Action:** Correct the logic so that there are no more than 20 nesting levels for rules.

**CTO28BE INVOKED RULE NOT FOUND**

**Explanation:** The rule invoked by means of a DO RULE statement was not found in the specified, or default, table.

The rule is aborted or ignored.

**Corrective Action:** Correct the DO RULE statement to contain a rule defined in the specified or default table, or define the rule in the specified table.

**CTO28CW RULE IS IN "WAIT ACTIVATION" STATUS. "DO RULE" IS IGNORED**

**Explanation:** A rule invoked another rule by using the DO RULE statement did not satisfy the Runtime Scheduling criteria.

Processing continues. The invoked rule is ignored.

**Corrective Action:** If this is not intentional, correct the invoked rule definition so that it satisfies the Runtime Scheduling criteria.

**CTO28DE RULE= ruleName ABORTED. TABLE= tableName LIBRARY= dsn**

**Explanation:** A rule aborted because of an error. This message is preceded by another message that describes the cause of the error.

The rule is aborted at the point of error.

**Corrective Action:** Correct the error according to the preceding message.
CTO28EW RULE= ruleName IGNORED. TABLE= tableName LIBRARY= dsn

**Explanation:** This warning message indicates that a problem occurred when processing a rule. This message is preceded by another message that describes the problem.
The rule is ignored. Processing continues.

**Corrective Action:** Correct the problem according to the preceding message.

CTO290I {CONTROL-O | CTMCMEM} AUTOMATION LOG STARTED

**Explanation:** This information message indicates that the Automation Log subtask began.

**Corrective Action:** No action is required.

CTO291E AUTOMATION LOG ERROR WHILE PROCESSING REQUESTS

**Explanation:** The Automation Log subtask detected an error while processing requests.
The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

**Corrective Action:** Contact your INCONTROL administrator.

CTO292S {CONTROL-O | CTMCMEM} AUTOMATION LOG TERMINATION ERROR

**Explanation:** The Automation Log subtask terminated after an error was detected.
The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

**Corrective Action:** Contact your INCONTROL administrator.

CTO293I CONTROL-O AUTOMATION LOG ENDED

**Explanation:** This information message indicates that the Automation Log subtask terminated successfully.
The subtask and the monitor shut down.

**Corrective Action:** No action is required.

CTO294E OPEN OF AUTOMATION LOG FAILED. LOG SWAPPED

**Explanation:** The Automation Log subtask attempted to open the Automation Log file but failed.
Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

**Corrective Action:** Do the following:
Check the CTOPARM member in the IOA PARM library.

Check to see if the Automation Log file exists for this CPU.

CTO295S OPEN OF DAACTLOG FAILED

Explanation: The Automation Log subtask failed to open the file referenced by the DAACTLOG DD statement.

The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

Corrective Action: Check the JCL of your Control-O or CMEM starting procedure to verify that the DAACTLOG DD statement exists. If the problem is not resolved, contact your INCONTROL administrator.

CTO296E ERROR DETECTED DURING ADDF. LOG SWAPPED

Explanation: The Automation Log subtask was unable to write to the Automation Log file.

Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

Corrective Action: Contact your INCONTROL administrator.

CTO297I AUTOMATION LOG STATUS CHANGE COMPLETED

Explanation: This information message indicates that the Automation Log subtask completed the change of Automation Log status.

This message is displayed in response to the operator command F CONTROLO,AUTOLOG=YES/NO.

The Automation Log subtask writes to the new destination.

Corrective Action: No action is required.

CTO298E ERROR DETECTED DURING ENQ. LOG SWAPPED

Explanation: The Automation Log subtask detected an error while trying to ENQUEUE the Automation Log file.

Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

Corrective Action: Contact your INCONTROL administrator.

CTO299E ERROR DETECTED DURING DEQ. LOG SWAPPED

Explanation: The Automation Log subtask detected an error while trying to dequeue the Automation Log file.

Control-O continues working but now works as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules will be written to the DAACTLOG sysout of the Control-O monitor.

Corrective Action: Contact your INCONTROL administrator.
CTO2A6S SEVERE WSC SHORTAGE DETECTED FOR MONITOR mon (subsys) - WSC USAGE: CURRENTLY 100%

**Explanation:** Highlighted, unrollable message.

The Control-O or CMEM monitor detected a severe shortage of WSC blocks. All WSC blocks were in use simultaneously. This is a severe condition, and must be avoided, because the operation of Control-O may be affected in unexpected ways.

Possible causes are:

- There are rules in the system that consume excessive quantities of WSC blocks.
- The WSC# parameter requires adjustment to accommodate the workload of the system.
- This can be done dynamically by using the MODIFY SETPARM command.

The availability of WSC blocks is essential for the monitor to be able to process system events.

This message is issued only the first time there is no free WSC. After the CTO2A7I message indicates that the shortage has been relieved, the CTO2A6S message is deleted and can be issued again.

This message is highlighted, and will be deleted when message CTO2A7I is issued.

The variables in this message are:

- **mon** - the name of the Control-O or CMEM monitor
- **subsys** - the IOA subsystem associated with mon

For more information, see the description of the USAGESTATS command in the *INCONTROL for z/OS Administrator Guide*.

As long as all WSC blocks remain in use, the Control-O or CMEM monitor cannot react to events. However, the Control-O or CMEM monitor continues to function and is not terminated.

**Corrective Action:** Contact your INCONTROL administrator.

CTO2A7I WSC SHORTAGE RELIEVED FOR MONITOR mon (subsys)

**Explanation:** Highlighted, unrollable message.

A severe shortage of WSC blocks was previously detected by the Control-O or CMEM monitor, and the CTO2A6S message was displayed. As of the last check, at least 25% of the WSC blocks are free. The check is performed every minute, or longer if the Control-O/CMEM INTERVAL parameter is greater than 1 minute.

This message is highlighted, but if another WSC shortage occurs and is then relieved, the message relating to the preceding shortage is deleted.

The variables in this message are:

- **mon** - the name of the Control-O or CMEM monitor
- **subsys** - the IOA subsystem associated with mon

For more information, see the description of the preceding CTO2A6S message and the description of the USAGESTATS command in the *INCONTROL for z/OS Administrator Guide*.

Control-O or CMEM resumes normal operation. However, it is possible that information was lost during the period of the shortage, and the shortage may have unexpected effects.
Corrective Action: Contact your INCONTROL administrator.

CTO2A9W nnnnnnnn EVENT(S) LOST FOR MONITOR mon (subsys) DUE TO 100% WSC USAGE

Explanation: One or more system events occurred of a type which is usually tracked by the Control-O or CMEM monitor. However, because a severe shortage of WSC blocks existed at the time of the events (as indicated by the display of the CTOA6S message), the events are ignored by the Control-O or CMEM monitor.

The variables in this message are:
- nnnnnnnn - the number of events lost during the last minute interval, or longer if the Control-O/CMEM INTERVAL parameter is greater than 1 minute.
- mon - the name of the Control-O or CMEM monitor
- subsys - the IOA subsystem associated with mon

For more information, see the description of the preceding CTOA6S and CTOA7I messages and the description of the USAGESTATS command in the INCONTROL for z/OS Administrator Guide.

The events are ignored, and future events might also be ignored until the shortage of WSC blocks is relieved.

Corrective Action: Contact your INCONTROL administrator.

CTO2AAW 85% xxx UTILIZATION DETECTED FOR MONITOR mon (subsys)

Explanation: Highlighted, unrollable message.

WSC, RQC, or PND might be soon exhausted, causing serious Control-O/CMEM functional impairment, as follows:
- WSC - See message CTO2A6S for more details.
- RQC - If exhausted, unexpected results might occur.
- PND - Rules that use wait mode will not be triggered if there are no free PNDs available.

The variables in this message are:
- xxx - WSC/RQC/PND
- mon - the name of the Control-O or CMEM monitor
- subsys - the IOA subsystem associated with mon

Corrective Action: Contact your INCONTROL administrator.

A Control-O rule may be written so that WSC allocation is increased automatically using the MODIFY SETPARM,WSC#= command. See the INCONTROL for z/OS Administrator Guide.

Also, the WSC#, RQC# and WAITPR# parameters can be increased in CTOPARM, and Control-O/CMEM recycled. See the INCONTROL for z/OS Installation Guide: Installing.

This message is not re-issued until a corresponding relief message (CTO2ABI) for the resource type (WSC/RQC/PND) is issued.
CTO2ABI  xxx SHORTAGE RELIEVED FOR MONITOR mon (subsys)

**Explanation:** 85% utilization of WSC/RQC/PND blocks was previously detected by the Control-O or CMEM monitor, and the CTO2AAW message was displayed. As of the last check, at least 25% of the WSC/RQC/PND blocks are free. The check is performed every minute, or longer if the Control-O/CMEM INTERVAL parameter is greater than 1 minute.

This message is highlighted, but if another WSC/RQC/PND 85% utilization condition occurs and is then relieved, the message relating to the preceding shortage is deleted.

The variables in this message are:
- xxx - WSC/RQC/PND
- mon - the name of the Control-O or CMEM monitor
- subsys - the IOA subsystem associated with mon

For more information, see the description of the preceding CTO2AAW message and the description of the USAGESTATS command in the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** Contact your INCONTROL administrator.

CTO2B5E XCF GETMAIN ERROR RC= rc

**Explanation:** Control-O failed to activate XCF support. Control-O detected this error while allocating internal storage by means of a STORAGE OBTAIN operation.

In this message, rc is the contents of register R15 from macro STORAGE OBTAIN.

The CTOXCF Control-O program ends with an error.

**Corrective Action:** Based on the return code, determine the cause of the error, and fix the problem. Restart Control-O to activate XCF support.

CTO2B6E XCF FREEMAIN ERROR RC= rc

**Explanation:** Control-O detected an error during a STORAGE RELEASE operation. STORAGE RELEASE operations are used to free internal storage.

In this message, rc is the contents of register R15 from the STORAGE RELEASE macro.

The CTOXCF program ends with an error. Control-O fails to start or terminate XCF support.

**Corrective Action:** Based on the return code, determine the cause of the error, and fix the problem. Restart Control-O.

CTO2B7E CONTROL-O HAS NOT INITIALIZED XCF SESSION

**Explanation:** Control-O attempted to initialize an XCF session. The attempt failed. When Control-O begins initializing an XCF session, it observes the session start. If the session starts with status XCF-LOCAL, this message is issued and Control-O does not connect to XCF.

**Corrective Action:** None, if Sysplex configuration is not needed. However, if Sysplex configuration is needed, configure the session as MONOPLEX or SYSPLEX. For more information, see MVS documentation on initialization and tuning.
Messages CTO300 through CTO3xx

This group includes messages for the Control-O product.

CTO300S INTERNAL ERROR - REASON = rsn. NOTIFY THE IOA ADMINISTRATOR

Explanation: Control-O detected an internal Control-O error. The Control-O monitor shuts down.

Corrective Action: Record the reason, and have your system programmer call BMC Software Customer Support.

CTO303S {CONTROL-O | CMEM} AUTOMATION LOG INITIALIZATION ERROR

Explanation: The Automation Log subtask detected an error while initializing. The subtask and the Control-O or CMEM monitor shuts down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

Corrective Action: Contact your INCONTROL administrator.

CTO304S CONTROL-O AUTOMATION LOG SWAPPING ERROR

Explanation: The Automation Log subtask detected a problem when swapping the log. If the subtask handled the problem, Control-O continues to work as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules will be written to the DAACTLOG sysout of the Control-O monitor.

If the subtask could not handle the problem, the subtask and the monitor may shut down. Before shutting down, the Control-O monitor attempts to start a new Control-O monitor to replace itself. If it does not succeed after a few attempts, Control-O gives up.

Corrective Action: Contact your INCONTROL administrator.

CTO305S {CONTROL-O | CMEM} AUTOM. LOG SEVERE INTERNAL ERROR ID= err

Explanation: The Automation Log subtask detected an internal logic problem. In this message, err is the identifying number of the error. The subtask and the Control-O or CMEM monitor shut down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it does not succeed after a few attempts, Control-O or CMEM ceases trying.

Corrective Action: Report the value of err to your INCONTROL administrator.

CTO306S ERROR DETECTED DURING LOGGING

Explanation: The Automation Log subtask detected an internal error while logging a record.
The subtask continues to work, but some records may be lost from the Automation Log.

**Corrective Action:** Contact your INCONTROL administrator.

### CTO307E PROBLEMS WITH WRITEF. LOG SWAPPED

**Explanation:** The Automation Log subtask detected a problem while trying to commit changes in the Automation Log file.

Control-O continues to work as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

**Corrective Action:** Contact your INCONTROL administrator.

### CTO308E AUTOMATION LOG I/O ERROR. RC = rc

**Explanation:** The Automation Log subtask detected an I/O error while trying to perform an operation on the Automation Log file.

In this message, rc is the return code generated by the error.

If the subtask handled the problem, Control-O continues to work as if AUTOMLOG was set to N in the CTOPARM member. Subsequent traces of rules are written to the DAACTLOG sysout of the Control-O monitor.

If the subtask cannot handle the problem, the subtask and the monitor may shut down. Before shutting down, the Control-O monitor attempts to start a new Control-O monitor to replace itself. If it does not succeed after a few attempts, Control-O ceases trying.

**Corrective Action:** Check MVS messages detailing the return code (rc) and the cause of the error (for example, disk failure, incorrect data set, or incorrect name or allocation parameters). Correct the cause of the error accordingly.

### CTO321S ERROR OPENING REPORT FILE

**Explanation:** The CTOCSF program was unable to open the file specified in the SYSPRINT DD statement. The SYSPRINT DD statement is either not specified in the JCL, or is specified incorrectly.

The CTOCSF program ends with a return code of 08.

**Corrective Action:** Check and correct the JCL job.

### CTO322S ERROR OPENING STATISTICS INPUT FILE

**Explanation:** The source Statistics file cannot be opened. The CTOCSF program is unable to open the file referenced by the DASTF DD name.

This problem may be due to one of the following:

- The SMF ID of the current CPU does not match the SMF ID included as part of the name of the Statistics file.
- The Statistics file may have been corrupted or moved from the expected location.

The CTOCSF program ends with a return code of 08.

**Corrective Action:** Do either or both of the following:
Examine and correct the JCL.
Examine any associated MVS messages for additional information, and correct any errors they may disclose.

**CTO323S INSUFFICIENT SPACE IN TARGET FILE**

**Explanation:** The new Statistics file is not large enough to contain all the records listed in the source Statistics file.
The CTOCSF program ends with a return code of 08.
**Corrective Action:** Create a larger Statistics file and resubmit the job.

**CTO324W ERROR CLOSING STATISTICS INPUT FILE**

**Explanation:** An internal error was encountered while closing the source Statistics file referenced by DD name DASTF.
The CTOCSF program ends with a return code of 08.
**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.

**CTO325S ERROR OPENING STATISTICS OUTPUT FILE**

**Explanation:** Control-O was unable to open the target Statistics file specified in the CTOPARM member.
The CTOCSF program ends with a return code of 08.
**Corrective Action:** Check the JCL and the CTOPARM member for errors. Resubmit the job.

**CTO326S STATISTICS FILE DYNAMIC ALLOCATION ERROR rc/rsn/dsn**

**Explanation:** Dynamic allocation of the $dsn$ Statistics file failed with a return code of $rc$ and a reason code of $rsn$.
The CTORSTM Statistics Report utility terminates with a return code of 08.
**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* to determine the cause of the error, and correct the error accordingly. If not successful, contact your INCONTROL administrator.

**CTO327W ERROR CLOSING STATISTICS OUTPUT FILE**

**Explanation:** An internal error was encountered while closing the target Statistics file. This message may be accompanied by an MVS message explaining the error. If such a message is issued, your system programmer may be able to fix the problem.
The CTOCSF program ends with a return code of 08.
**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.
CTO328I COPY OF STATISTICS FILE ENDED OK

Explanation: This information message indicates that the Statistics file was successfully copied by the CTOCSF utility.

Corrective Action: No action is required.

CTO329I COPY OF STATISTICS FILE STARTED

Explanation: This information message indicates that the CTOCSF utility has begun copying the Statistics file.

Corrective Action: No action is required.

CTO333S ERROR FORMATTING AUTOMATION LOG FILE

Explanation: An I/O error was detected. The CTODVB program failed to execute an I/O operation with the Automation Log file.

Formatting of the Automation Log ends with a return code of 08.

Corrective Action: Check associated MVS messages detailing the cause of the error, for example, disk failure, incorrect data set, incorrect name or allocation parameters.

CTO334I FORMATTING OF AUTOMATION LOG FILE STARTED

Explanation: This information message indicates that formatting of the Automation Log file has begun.

Corrective Action: No action is required.

CTO335I FORMATTING OF AUTOMATION LOG FILE ENDED

Explanation: This information message indicates that formatting of the Automation Log file has ended successfully.

Corrective Action: No action is required.

CTO336S AUTOMATION LOG FILE WAS NOT BUILT

Explanation: Formatting of the Automation Log file failed. This message follows other messages detailing the problem.

The formatting of the Automation Log ends with a return code of 08.

Corrective Action: Consult previous messages detailing the reason for the error.

CTO337S AUTOMATION LOG DYNAMIC ALLOCATION ERROR rc/rsn/dsn

Explanation: A dynamic allocation problem occurred. The CTODVB program attempted to dynamically allocate the Automation Log file but failed.

Formatting of the Automation Log file ends with a return code of 08.

Corrective Action: Do the following:

1. For an explanation of return-code (rc) and the reason (rsn), see the IBM OS/390 Authorized Assembler Services Guide, and proceed accordingly.
2. Check the CTOPARM member.
3. Verify that an Automation Log file already exists for this CPU.

**CTO338S INVALID PARAMETERS PASSED TO PROGRAM**

*Explanation:* The CTODVB program detected an error in the parameters passed to it. Formatting of the Automation Log file ends with a return code of 08.

*Corrective Action:* Check the parameters passed to the program and correct them.

**CTO339S NULL PARAMETERS PASSED TO PROGRAM**

*Explanation:* The CTODVB program was called with no parameters. Formatting of the Automation Log file ends with a return code of 08.

*Corrective Action:* Check and correct the JCL.

**CTO341S AUTOMATION LOG FILE LEVEL INCONSISTENT WITH LEVEL OF CONTROL-O**

*Explanation:* The Automation Log file is not compatible with this release of Control-O. While opening an Automation Log file, the CTODVL program checks the file validity and usability. A mismatch was found between the release number of the Automation Log file and the release number of the program accessing it.

Action fails. The Automation Log file is not accessed.

*Corrective Action:* Do any or both of the following:

- Check if the libraries specified in the STEPLIB and LINKLIST concatenation contain modules from different releases.
- Check the Automation Log file data set name. If you are using an older release of the program or an old file, correct the error.

**CTO342S ERROR OPENING AUTOMATION LOG FILE**

*Explanation:* This is one of two messages with the same ID, but different text.

The CTODVL program was unable to open the Automation Log file.

The action fails. The Automation Log file is not accessed.

*Corrective Action:* Do any or all of the following:

- Check the definitions in the CTOPARM member.
- Check the JCL for errors.
- Check the data set name for the Automation Log file.

**CTO342S ERROR OPENING OPERLOG FILE**

*Explanation:* This is one of two messages with the same ID, but different text.
The user tried to access the OPERLOG in a SYSPLEX environment. However, the OPERLOG could not be opened.
The system rejects the request and continues.

**Corrective Action:** Record the message and contact your system programmer.

CTO343S AUTOMATION LOG DYNAMIC ALLOCATION ERROR \( rc/rsn/dsn \)

**Explanation:** The CTODVL program was unable to dynamically allocate the Automation Log file.
Action fails. The Automation Log file is not accessed.

**Corrective Action:** Do any or all of the following:
- See documentation on dynamic allocation in the IBM authorized guide to Assembler services for explanations of the return code (\( rc \)) and the reason code (\( rsn \)), and proceed accordingly.
- Check the CTOPARM member.
- Ensure that an Automation Log file exists for this CPU.

CTO344S AUTOMATION WRITE ERROR

**Explanation:** An I/O error occurred. The CTODVL program did not succeed in performing an I/O operation on the Automation Log file.
Action fails. The Automation Log file is not accessed.

**Corrective Action:** If you cannot determine the reason for this I/O error (for example, a disk failure), contact BMC Software Customer Support.

CTO345S ERROR EXECUTING RDJ FCB

**Explanation:** The CTODVL program received a non-zero return code from system service RDJ FCB. The CTODVL program failed to read the J FCB of the dynamically allocated Automation Log file.
Action fails. The Automation Log file is not accessed.

**Corrective Action:** Contact BMC Software Customer Support.

CTO346S ABEND \( abCode \) INTERCEPTED WHILE PROCESSING THE AUTOMATION LOG

**Explanation:** This is one of two messages with the same ID, but different text.
The CTODVL program intercepted an abend while processing the Automation Log.
The action fails. The Automation Log file is not accessed.

**Corrective Action:** Contact BMC Software Customer Support.

CTO346S ABEND \( abCode \) INTERCEPTED WHILE PROCESSING THE OPERLOG

**Explanation:** This is one of two messages with the same ID, but different text.
The user tried to access the OPERLOG in a SYSPLEX environment but an abend was generated.
For information about abCode, see the IBM Abend Codes manual.

The system terminates the requested action.

**Corrective Action:** Take appropriate corrective action.

**CTO347S THE AlLOCATED AUTOMATIOn LOG FILE BELONGS TO ANOTHER CONTROL-O INSTALLATION**

**Explanation:** This is one of two messages with the same ID, but different text.

The specified Automation Log file refers to another Control-O. While opening an Automation Log file, the CTODVL program checks the validity and usability of the file being opened. A mismatch was found between the current value specified for the CTOQNAME parameter in the CTOPARM member and the value of that parameter when the Automation Log file was formatted.

Action fails. The Automation Log file is not accessed.

**Corrective Action:** Do either or both of the following:

- Ensure that you are not using load libraries that belong to another installation of Control-O.
- Check if the CTOPARM member has changed.

**CTO347S ERROR RETURN CODE FROM A SYSTEM LOGGER REQUEST rc**

**Explanation:** This is one of two messages with the same ID, but different text.

The user issued the OPER command in the OL screen to access the OPERLOG in a SYSPLEX environment. However, the request failed and the rc SYSTEM LOGGER return code was issued.

The system rejects the request.

**Corrective Action:** For information about the error, note the value of rc and see IBM LOGGER services (IXGxxx macros) in the Sysplex service manual.

**CTO348S FILE NOT AN AUTOMATION LOG FILE**

**Explanation:** This is one of two messages with the same ID, but different text.

The specified file is not a Control-O Automation Log file. While opening an Automation Log file, CTODVL checks the validity and usability the file. The specified file was not an Automation Log file.

Action fails. The Automation Log file is not accessed.

**Corrective Action:** Check if the formatting of the Automation Log file ended successfully. If it failed, redefine (reformat) the Automation Log.

**CTO348S OPERLOG IS EMPTY**

**Explanation:** This is one of two messages with the same ID, but different text.

The user issued the command OPER in the OL screen to access the OPERLOG in a SYSPLEX environment. In response, the system logger informed Control-O that the OPERLOG was empty.

The system rejects the request.

**Corrective Action:** For more information about the error, note the message and contact your system programmer.
CTO349S AUTOMATION LOG FILE IS BEING FORMATTED IT CANNOT BE ACCESSED

Explanation: This is one of two messages with the same ID, but different text.

The specified Automation Log file is currently being formatted. While opening the Automation Log file, the CTODVL program checks the validity and usability of the file. The specified file has a status incompatible with the requirements of the program.

Action fails. The Automation Log is not accessed.

Corrective Action: Check if the formatting of the Automation Log file ended successfully. If it failed, redefine (reformat) the Automation Log.

CTO349S OPERLOG END OF FILE IS REACHED

Explanation: This is one of two messages with the same ID, but different text.

The user attempted to access the OPERLOG in a SYSPLEX environment and reached the end of the OPERLOG. However, no more data was available in the OPERLOG.

The system rejects the request.

Corrective Action: Reattempt access to the OPERLOG.

CTO350E ERROR FREEING STORAGE. ADDR= addr LEN= length SP= subpool RELATED = rel

Explanation: An internal error was detected.

During termination, Control-O or CMEM frees internal control blocks and work areas. An error occurred while this was being done.

Control-O or CMEM continues termination.

Corrective Action: Contact BMC Software Customer Support.

CTO352W SERVER serverId DID NOT RESPOND TO STOP REQUESTS. SERVER STATUS OVERRIDDEN

Explanation: Server serverId did not respond to a STOP request.

When Control-O executes a server STOP request, it waits for acknowledgment from the server. If the server does not respond within thirty seconds, this message is displayed.

The specified server is given the status ENDED WITH AN ERROR.

Corrective Action: Check output and messages issued by the problem server. If necessary, bring down the server and start a new one.

CTO353I module RELOADED. OLD: datetime1 NEW: datetime2

Explanation: This information message indicates that the RELOAD command completed execution successfully.

This message provides the installation date and time of the old and newly-replaced modules in mm/dd/yy hh.mm format.
InControl for z/OS Messages Manual

- **module** - the name of the module that was successfully reloaded
- **datetime1** - the assembly date of the old module
- **datetime2** - the assembly date of the newly installed module

**Corrective Action:** No action is required.

**CTO354I SERVER STCID TYP QLN STIME STATUS**

**Explanation:** This information message is the normal response of the Control-O monitor to the F CONTROLO,SERVER= serverId,DISPLAY operator command.

This message is the header for information in messages CTO355I and MTO355I.

**Corrective Action:** No action is required.

**CTO355I serverId jobId type queueLength statusTime status**

**Explanation:** The Control-O monitor sends this information message to the console in response to the command:

```
F CONTROLO,SERVER=serverId,DISPLAY
```

Each occurrence of this message describes a server defined to Control-O. These messages are preceded by message CTO354I or MTO354I that provides the header. The information in this message is in the same format as the Option SERVERS screen of the Automation Options facility.

For more information, see the Control-O User Guide.

**Corrective Action:** No action is required.

**CTO356I modifyCmdText**

**Explanation:** This information message displays the text of the submitted modify command.

**Corrective Action:** No action is required.

**CTO357I COMMAND ENDED SUCCESSFULLY**

**Explanation:** This information message indicates that the last modify command ended successfully.

**Corrective Action:** No action is required.

**CTO358W LIMIT OF LINES REACHED. FURTHER LINES NOT DISPLAYED**

**Explanation:** More than 1,000 lines were issued in response to a MODIFY command specified with the DISPLAY parameter.

When more than 1,000 lines are issued to the operator's console, Control-O terminates the command which is creating the lines, to avoid a shortage of space in the console's buffer.

Only the first 1,000 lines are displayed.

**Corrective Action:** No action is required.
CTO359W CONTROL-O COSMOS IS NOT ACTIVE

**Explanation:** The user attempted to stop COSMOS while it was not active. The COSMOSSTOP command is ignored.

**Corrective Action:** No action is required.

CTO35AW CONTROL-O COSMOS IS ALREADY ACTIVE

**Explanation:** The user attempted to start COSMOS while it was active. The COSMOSSTART command is ignored.

**Corrective Action:** No action is required.

CTO35BI OBJECTDB METHODDB MODE

**Explanation:** This information message is the header for data provided in message CTO35CI. This message is the normal response of Control-O to the `F CONTROLO,COSMOS=cosmosdb,DISPLAY` operator command.

This command displays general information about COSMOS Object databases.

**Corrective Action:** No action is required.

CTO35CI objectDb methodDb mode

**Explanation:** This information message is the normal response of Control-O to the `F CONTROLO,COSMOS=cosmosdb,DISPLAY` operator command.

Each occurrence of this message describes an Object database under COSMOS control. Message CTO35BI generates the message header.

The variables in this message are:

- `objectDb` - the working COSMOS object database
- `methodDb` - the COSMOS Method database
- `mode` - the current COSMOS database mode

**Corrective Action:** See COSMOS commands in the Control-O User Guide.

CTO35DW INVALID COSMOS MODIFY COMMAND - errorText

**Explanation:** The user issued a COSMOS command with invalid parameters.

In this message, `errorText` describes the error.

The command is ignored. Processing continues.

**Corrective Action:** Specify the COSMOS command with valid parameters. For more information, see “Control-O/COSMOS Commands” in the Control-O/COSMOS User Guide.

CTO35EW action COSMOS id FAILED - text

**Explanation:** The specified action (action) on the id COSMOS ID failed.
An invalid syntax, action or ID was specified.
The system ignores the command.
Corrective Action: Correct the syntax, action, or ID and reissue the command.

CTO35FW MODIFY COMMAND REJECTED
Explanation: The user attempted to issue an invalid modify command to the Control-O monitor.
The system rejects the command.
Corrective Action: Correct the command syntax and reenter the command

CTO360E ERROR IN RELOAD INITIALIZATION
Explanation: The RELOAD modify command encountered a problem with the Control-O SSVT or one of its function routines.
The internal control block structure has been corrupted.
The RELOAD modify command is terminated.
Corrective Action: Bring down and restart Control-O. RELOAD is not necessary.

CTO360S AUTOMATION LOG DYNAMIC ALLOCATION ERROR rc/rsn/dsn
Explanation: SVC 99 failed during allocation or dealllocation of the Automation Log file. The CTOALI program uses SVC 99 to dynamically allocate and dealllocate the Automation Log file.
For explanations of the return code (rc) and reason code (rsn) displayed as part of this message, see the IBM manual MVS Programming: Authorized Assembler Services Guide.
The CTOALI programs ends with a return code of 08.
Corrective Action: No action is required.

CTO361E ERROR IN RELOAD PRELIMINARY PHASE
Explanation: The RELOAD modify command encountered a problem with an MVS macro instruction.
The user tried to reload the CTOWTO Control-O module in storage but this module was not found in the Control-O STEPLIB libraries.
The RELOAD modify command is terminated.
Corrective Action: No action is required.

CTO361S ERROR WHILE LOADING MODULE IDCAMS
Explanation: Loading of the IDCAMS module failed. The CTOALI program failed to link to IDCAMS to define a VSAM linear data set.
The CTOALI program ends with a return code of 08.
Corrective Action: Determine why the IDCAMS module cannot be loaded from STEPLIB or LINKLST, correct the problem, and resubmit the job.
CTO362E ERROR IN RELOAD PROCESSING

**Explanation:** The RELOAD modify command encountered a problem with an MVS macro instruction. There may not be enough CSA (Common Service Area) storage available to load the new CTOWTO module. The RELOAD modify command is terminated.

**Corrective Action:** Bring down and restart Control-O. RELOAD is not necessary.

CTO362S INVALID PARAMETERS PASSED TO THE PROGRAM

**Explanation:** The CTOALI program was called with invalid parameters, either using the PARM parameter in the JCL, or using the program that called the CTOALI program. The CTOALI program ends with a return code of 08.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.

CTO363E ERROR IN RELOAD BACK-END PROCESSING

**Explanation:** In response to the RELOAD modify command, Control-O encountered a problem when attempting to deallocate a routine. The internal control block structure has been corrupted. The RELOAD modify command is completed, but cleanup processing is aborted.

**Corrective Action:** No action is required.

CTO363S NO PARAMETERS PASSED TO THE PROGRAM

**Explanation:** The CTOALI program was called with null parameters, either using the PARM parameter in the JCL, or using the program that called CTOALI. The CTOALI program ends with a return code of 08.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact your INCONTROL administrator.

CTO364E ALTERNATE SUBSYSTEM SSCT ENTRY NOT FOUND

**Explanation:** The alternate subsystem SSCT entry specified in the ALTSSN CTOPARM parameter is not in the system. Control-O monitor failed to find the SSCT prior to activating the alternate subsystem. Control-O monitor routine continues without activating the alternate subsystem.

**Corrective Action:** Add the alternate subsystem name to the IEFSSNxx member in the SYS1.PARMLIB library and then IPL the system. The alternate subsystem cannot be activated until after the IPL.

CTO364S ERRORS IN IDCAMS PROCESSING

**Explanation:** The IDCAMS module ended with a non-zero return code. The CTOALI program links to IDCAMS to define VSAM linear data sets.
The CTOALI program ends with a return code of 08.

**Corrective Action:** Check the job printout to see why IDCAMS did not end successfully. It may be necessary to edit the DIVSKEL member in the INSTWORK library to change the MODELM statements of the IDCAMS SYSIN. Correct and resubmit the job.

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CTO365S VOLUME PARAMETER MUST BE SPECIFIED FOR DIV DATASETS

**Explanation:** The volume was not specified for a VSAM linear data set.

The CTOALI program ends with a return code of 08.

**Corrective Action:** Specify a volume and resubmit the job.

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CTO366E CONTROL-O COSMOS IS NOT INSTALLED

**Explanation:** The user attempted to enter a COSMOS command. However, Control-O COSMOS was not installed.

Control-O ignores the command and processing continues.

**Corrective Action:** Install Control-O COSMOS.

---

CTO367E SMODE VALID VALUES ARE F, Y, AND N

**Explanation:** An invalid value was specified for the SMODE parameter in an operator command.

Valid values for SMODE (stand alone mode) are:

- **F (Forced)** - Each Control-O copy is responsible for updating the IOA Log file. Default. BMC Software recommends that you do not change this default.
- **Y (Yes)** - Each Control-O copy passes requests to write to the IOA Log file to Control-M by means of the communications file, except for requests initiated by the New Day procedure (which are treated as if SMODE is set to F). Setting SMODE to Y causes less ENQ contention for the IOA Log file but increases pressure on the Control-M monitor.
- **N (No)** - Control-O always passes requests to write to the IOA Log file to Control-M by means of the communications file.

The operator command is ignored.

**Corrective Action:** Specify a valid value for the SMODE parameter and reissue the command. For more information, see SMODE in the relevant appendix of the *INCONTROL for z/OS Administrator Guide*.

---

CTO36GW CTOWTO CANNOT BE RELOADED BECAUSE XES SYSTEM-MANAGED REBUILD IS IN PROGRESS. TRY TO RELOAD LATER.

**Explanation:** CTOWTO cannot be reloaded until the system-managed process ends.

The RELOAD command is rejected.

**Corrective Action:** Wait for the system-managed process to end and reissue the RELOAD command.
CTO36HE INVALID MODULE NAME SPECIFIED IN RELOAD COMMAND.

Explanation: A REALOD modify command has been issued for an invalid module name. The module name is either not a module or not a reloadable module. The invalid module name appears in the previous CTO356I message, which echoed the modify command.
The command is ignored.
Corrective Action: Issue the command again with the correct reloadable module name.

CTO370I COPY OF CONTROL-O AUTOMATION LOG STARTED

Explanation: This information message indicates that the CTOALOCP utility has begun copying the Automation Log file.
Corrective Action: No action is required.

CTO371I COPY OF CONTROL-O AUTOMATION LOG ENDED

Explanation: This information message indicates that the CTOALOCP utility has successfully completed copying the Automation Log file.
Corrective Action: No action is required.

CTO372S COPY OF CONTROL-O LOG ENDED WITH ERRORS

Explanation: The CTOALOCP utility abended. This message follows a message describing the cause of the error detected.
The CTOALOCP utility ends with a return code of 08.
Corrective Action: See the previous message for the cause of the error, correct the problem, and resubmit the job.

CTO384S AUTOM. LOG SEQ. DYNAMIC ALLOCATION ERROR rc/rsn/dsn

Explanation: Dynamic allocation (SVC 99) of a sequential Automation Log file failed. The CTOALOCP utility uses SVC 99 to dynamically allocate and deallocate file dsn which is a sequential source or target Automation Log file.
The CTOALOCP utility ends with a return code of 08.
Corrective Action: Examine the return and reason codes and take appropriate corrective action.

CTO390S OPEN OF DDNAME ddName FAILED.

Explanation: Open of the ddName DD name failed. Possible causes are:
- The ddName DD statement is missing.
- The data set described by the ddName DD statement does not exist.
Execution stops.
Corrective Action: Correct the JCL of the job and rerun.
CTO392S OPEN OF DDNAME ddName FAILED

**Explanation:** The opening of the data set referenced by the DD name *ddName* failed.

Possible causes are:
- the DD statement referring to the data set referenced by the DD name *ddName* is missing.
- The data set referenced by the DD statement *ddName* does not exist.

System action depends on the calling program. Execution may continue, or it may stop with a condition code of 08, 12, or 16.

**Corrective Action:** Correct the JCL and rerun.

Messages CTO400 through CTO4xx

This group includes messages for the Control-O product.

CTO403I text

**Explanation:** This information message is an internal message used by the Control-O or CMEM USS (UNIX Services for OS/390) interface module to trigger a CMEM event using ON DSNEVENT and ON STEP in the USS address space. The message indicates that a forked process started. The text may include unprintable characters.

This message cannot be suppressed from the Automation Log.

**Corrective Action:** No action is required.

CTO410I ALLOCATION OF GLOBAL AUTOEDIT LIBRARY STARTED

**Explanation:** This information message indicates the normal start of the CTODFG program that allocates the Global library.

**Corrective Action:** No action is required.

CTO411E INVALID PARAMETERS: parms

**Explanation:** The CTODFG program detected invalid parameters.

The program terminates with a return code of 08.

**Corrective Action:** Verify the parameters, correct them, and resubmit the utility.

CTO412E THIS CPU HAS SMFID cpuSmfId AND NOT parmSmfId

**Explanation:** The SMF ID of the CPU on which the CTODFG program is running does not match the SMF ID passed as a parameter to the program.

The variables in this message are:
- *cpuSmfId* - the SMF ID of the CPU on which the CTODFG program is running
- *parmSmfId* - the SMF ID passed as a parameter to the program

The program terminates with a condition code of 08.
**Corrective Action:** Verify the SMF ID of the CPU on which Control-O is running, and resubmit the utility with the correct parameter.

CTO416E DYNAMIC ALLOCATION ERROR RC=rc,ERROR=rsn, DSN=dsn

**Explanation:** The CTODFG program failed while attempting to dynamically allocate the Global library. The CTODFG program terminates with a condition code of 08.

**Corrective Action:** For an explanation of the return and reason codes, see the IBM OS/390 Authorized Assembler Services Guide.

CTO417E CTMMEM ERROR, RC= rc

**Explanation:** The CTODFG program received return code rc from the CTMMEM module while attempting to update the Global library. The error occurred when the CTODFG program attempted to create the $$GLOBAL member in the Global library.

Possible causes indicated by values of rc:
- 08 - The region size is too small.
- 28 - The data set is in use.
- 32 - Internal error.
- 56 - The library is full or an abend occurred.
- 64 - The member already exists.

The CTODFG program terminates with a condition code of 08.

**Corrective Action:** If possible, correct the problem with the library, and resubmit the utility. If the error persists, contact BMC Software Customer Support.

CTO418E ALLOCATION OF GLOBAL AUTOEDIT LIBRARY FAILED

**Explanation:** Allocation of the Global library failed. This error message, which is issued by the CTODFG program, is preceded by another message detailing the reason for the failure.

The CTODFG program terminates with a condition code of 08.

**Corrective Action:** See the preceding message.

CTO419I ALLOCATION OF GLOBAL AUTOEDIT ENDED

**Explanation:** This information message indicates that the CTODFG program successfully allocated the Global library.

**Corrective Action:** No action is required.

CTO421I CTOCPS STARTED

**Explanation:** This information message indicates that the CTOCPS program, which compresses or verifies the Global AutoEdit library, started.

**Corrective Action:** No action is required.
CTO422S COMPRESS REQUIRED FOR GLOBAL AUTOEDIT VARIABLES LIBRARY

**Explanation:** The Global AutoEdit library needs to be compressed but automatic compression was disabled. Control-O does not automatically compress the Global AutoEdit library because N is specified for the GLBCOMP parameter in the CTOPARM member.

The library is not compressed. Command WRITEGLOBAL fails.

**Corrective Action:** Do one of the following:
- Use site compression procedures to compress the Global AutoEdit library. Ensure that the Global AutoEdit library is large enough to prevent D37 abends between periodic compressions.
- For information on how to set automatic compression, see the Control-O installation chapter in the INCONTROL for z/OS Installation Guide.

CTO423S DYNAMIC ALLOCATION ERROR DURING COMPRESS, ERROR=rc/rsn/dsn

**Explanation:** Dynamic allocation (SVC 99) failed. The CTOCPS program uses SVC 99 to dynamically allocate and deallocate the Global AutoEdit library and its copy file.

The variables in this message are:
- rc - the return code of the error
- rsn - the reason for the failure
- dsn - the name of the data set that cannot be allocated

The CTOCPS program ends with a return code of 08. The WRITEGLOBAL command fails.

**Corrective Action:** For an explanation of the return code (rc) and the reason code (rsn), see the IBM manual MVS Programming: Authorized Assembler Services Guide. Until this problem is resolved, use site compression procedures to compress the Global AutoEdit library.

CTO424I FIRST COMPRESSION PHASE STARTED - LIBRARY UNLOAD

**Explanation:** This information message indicates that the backup phase of the CTOCPS program has begun.

**Corrective Action:** No action is required.

CTO425I SECOND COMPRESSION PHASE STARTED - COMPRESS IN PLACE

**Explanation:** This information message indicates that the compress in place phase of the CTOCPS program has begun.

**Corrective Action:** No action is required.

CTO426I CTOCPS ENDED

**Explanation:** This information message indicates that the CTOCPS program has successfully completed compressing the Global AutoEdit library.

**Corrective Action:** No action is required.
CTO427S IEBCOPY RETURNED A NON-ZERO COMPLETION CODE

Explanation: IEBCOPY could not complete its task. IEBCOPY is invoked internally by the CTOCPS program to copy or compress a data set.

The CTOCPS program ends with a return code of 08. The WRITEGLOBAL command fails.

Corrective Action: If your system programmer cannot resolve the problem, contact your INCONTROL administrator. Until this problem is resolved, use site compression procedures to compress the Global AutoEdit library.

CTO428S CTOCPS RECEIVED AN INVALID PARAMETER LIST

Explanation: The CTOCPS program received a parameter list with an unexpected format. This message indicates an internal error.

The CTOCPS program ends with a return code of 08. The WRITEGLOBAL command fails.

Corrective Action: Contact BMC Software Customer Support. Until this problem is resolved, use site compression procedures to compress the Global AutoEdit library.

CTO429S PREVIOUS COMPRESS FAILED. GLOBAL LIBRARY CANNOT BE RESTORED FROM BACKUP

Explanation: Compression cannot be performed because the Global AutoEdit library was corrupted during the last compression and no valid backup exists.

During CTOCPS processing, the $$COMPST control member is repeatedly updated to track completed operations. The contents of this control member indicate that the last time CTOCPS ran, Control-O did not successfully compress the Global AutoEdit library. As a result, there is no usable backup. Therefore, the Global AutoEdit library cannot be restored.

Control-O stops loading Global variables.

Corrective Action: If you are unable to restore the Global AutoEdit library, run the NEWGLOB job, which renames the corrupted Global AutoEdit library, and creates a new one with the old name using Global variable information from memory. The NEWGLOB job is in the INSTWORK library.

For more information, see the section on automatic compression of the global AutoEdit library in the INCONTROL for z/OS Administrator Guide.

CTO430S ERROR READING AUTO-COMPRESS CONTROL-MEMBER $$COMPST

Explanation: The CTOCPS program was unable to read the $$COMPST control member. The $$COMPST member is defined by the NEWGLOB job during installation of Control-O. The CTOCPS program checks the $$COMPST control member to determine if the last automatic compression was successfully completed.

The CTOCPS program ends with a return code of 08. Commands READGLOBAL and WRITEGLOBAL are ignored.

Corrective Action: Ensure that the $$COMPST control member exists in the Global AutoEdit library, and if the NEWGLOB job was not run during installation, submit this job. If the problem is not resolved, contact your INCONTROL administrator.
CTO431S ERROR WRITING AUTO-COMPRESS CONTROL-MEMBER $$COMPST

**Explanation:** The CTOCPS program was unable to write the $$COMPST control member. The $$COMPST member is defined by the NEWGLOB job during installation of Control-O.

The CTOCPS program ends with a return code of 08.

**Corrective Action:** Ensure that the $$COMPST control member exists in the Global AutoEdit library, and if the NEWGLOB job was not run during installation, submit this job. If the problem is not resolved, contact your INCONTROL administrator.

CTO432I RESTORE OF GLOBAL VARIABLES LIBRARY STARTED

**Explanation:** This information messages indicates that the CTOCPS program has begun restoring the Global AutoEdit library. The CTOCPS program was unable to read the Global AutoEdit library, but the backup file is intact.

CTOCPS restores the Global AutoEdit library from the backup file.

**Corrective Action:** No action is required.

CTO433S ABEND *abCode* INTERCEPTED DURING COMPRESS

**Explanation:** Recovery routine ESTAE intercepted an abend during execution of a READGLOBAL or WRITEGLOBAL command.

The READGLOBAL or WRITEGLOBAL command is ignored.

**Corrective Action:** Check and correct the names of the Global AutoEdit library and the backup copy. If these libraries are corrupt (for example, by a disk crash), restore them from a backup.

CTO434I COMPRESS OF GLOBAL VARIABLES LIBRARY STARTED

**Explanation:** This information message indicates that the CTOCPS program has begun compressing the Global AutoEdit library.

**Corrective Action:** No action is required.

CTO440I READ/WRITE GLOBAL VARIABLES STARTED

**Explanation:** This information message indicates that the CTOVPL program, which is responsible for loading and writing global variables, has begun read/write to the Control-O global pools.

**Corrective Action:** No action is required.

CTO441S INVALID PARAMETERS

**Explanation:** The CTOVPL program received an incorrect parameter list while executing a LOADGLOBAL or WRITEGLOBAL command.

This message indicates an internal error.

**Corrective Action:** Contact BMC Software Customer Support.
CTO442S ERROR OPENING DAGLBLST

**Explanation:** The CTOVPL program was unable to open the Global Pool List during execution of a LOADGLOBAL or WRITEGLOBAL command.

The Global Pool List is defined by the DAGLBLST DD name in the procedure of the Control-O monitor.

The LOADGLOBAL/WRITEGLOBAL command is ignored.

**Corrective Action:** Check and correct the DD name and related data set specifications in the Control-O monitor procedure.

CTO443S POOL poolid - GETMAIN ERROR

**Explanation:** The user issued a LOADGLOBAL command with the specified Variable Global pool. However, the variables in this pool could not be loaded.

There is insufficient storage in ECSA for loading Global variables from the specified Global variable pool.

Command LOADGLOBAL is ignored.

**Corrective Action:** Increase the size of ECSA storage.

CTO444S POOL poolid - ERROR LOADING GLOBAL VARIABLES

**Explanation:** Control-O could not load variables from the specified Global variable pool.

This message is preceded by messages describing the cause of the error.

Command LOADGLOBAL is ignored.

**Corrective Action:** See the accompanying messages for details about the cause of the error and possible solutions.

CTO445S POOL poolid - ERROR WRITING GLOBAL VARIABLES

**Explanation:** Control-O could not write variables to the specified Global pool.

This message is preceded by messages describing the cause of the error.

Command WRITEGLOBAL is ignored.

**Corrective Action:** See the accompanying messages for details about the cause of the error and possible solutions.

CTO446S POOL poolid - NOT FOUND IN MEMORY

**Explanation:** The user specified a LOADGLOBAL/WRITEGLOBAL command, but Control-O could not locate the specified pool.

Control-O could not locate the specified pool while executing a LOADGLOBAL/WRITEGLOBAL command and could not locate the control block for the specified pool name. This usually happens when either the specified pool name is not defined in the Global Pool List member (DAGLBLST) or the specified member was never loaded.

Command LOADGLOBAL/ WRITEGLOBAL command is ignored.

**Corrective Action:**

1. Define the pool in the DAGLBLST member.
2. Use the LOADGLOBAL command to load the pool.

Cto447s Freemain Internal Error

Explanation: The CTovpl program was unable to free internal control blocks while executing a LOADGLOBAL or WRITEGLOBAL command.

This message indicates an internal error.

Corrective Action: Contact BMC Software Customer Support.

Cto448s Error Freeing Auto-Edit Internal Blocks

Explanation: The CTovpl program was unable to free internal control blocks while executing a LOADGLOBAL or WRITEGLOBAL command.

This message indicates an internal error.

Corrective Action: Contact BMC Software Customer Support.

Cto449s Error Freeing Global Member Internal Blocks

Explanation: Control-O could not free internal control blocks of a Global variable pool.

Control-O could not free internal control blocks while executing a LOADGLOBAL/WRITEGLOBAL command.

This message indicates an internal error.

Corrective Action: Contact BMC Software Customer Support.

Cto44as Error Releasing Coupling Facility Resources

Explanation: Old data was not successfully deleted from the Coupling facility.

When newly loaded variables became effective after a LOAGLOBAL operation for an XAE (SYSPLEX-wide AutoEdit) database, Control-O or CMEM failed to delete the old copy of the AutoEdit databases from the Coupling facility.

Old data from the Coupling facility structure is not deleted.

As a result, unnecessary data may accumulate in the space allocated for the Coupling facility structure until the space is exhausted.

Corrective Action: Shut down all Control-O or CMEM monitors as soon as possible and restart them, one at a time.

In addition, send the sysout files for your monitor to BMC Software Customer Support for analysis.

Cto44be Error Switching Coupling Facility Information

Explanation: During an attempt to switch to the new version of XAE database variables that were being loaded, an error occurred.

XAE variables are loaded in three steps. They are loaded to ECSA, copied to the Coupling facility and then marked effective in the Coupling facility. This message indicates a failure during the third step.

During the implicit LOADGLOBAL operation at startup, Control-O initialization fails. During ongoing operations, only the LOADGLOBAL operation fails.
**Corrective Action:** Send all the Control-O syosout files and the contents of the DAGLBLST library member to BMC Software Customer Support for analysis.

**CTO44CE request (X' code') FOR STRUCTURE structureName FAILED.**

**REASON:** rsn

**Explanation:** A request to the XAE structure failed. The message details the request name and code, and the reason for the failure.

Additional information is written to DATRACE.

**Corrective Action:** Check that all XAE structures are allocated and that Control-O or CMEM did not lose a connection to them. If a connection was lost, restart Control-O or CMEM. Otherwise, contact BMC Software Customer Support for assistance.

**CTO450S POOL poolid IS NOT SPECIFIED IN DAGLBLST**

**Explanation:** Control-O could not locate the poolid pool in the DAGLBLST Global Variable Pool List member.

This message is normally issued in response to a failure of a LOADGLOBAL/ WRITEGLOBAL command in the DAGLBLST Global Pool List member.

The LOADGLOBAL/WRITEGLOBAL command is ignored.

**Corrective Action:** Do the following:
1. Define the pool in the DAGLBLST Global Pool List member.
2. Use the LOADGLOBAL command to load the pool.

**CTO451S INVALID CARD IN DAGLBLST**

**Explanation:** The CTOVPL program detected an invalid statement in the Global Pool List.

The Global Pool List is defined in the DAGLBLST DD statement in the Control-O monitor procedure.

The LOADGLOBAL/ WRITEGLOBAL command is ignored.

**Corrective Action:** Check and correct the Global Pool List member.

**CTO452S POOL poolid IS PROTECTED. IT CANNOT BE UPDATED**

**Explanation:** Control-O cannot execute a WRITEGLOBAL command for the poolid Global Variable pool.

The poolid pool name is defined in the DAGLBLST Global Variable Pool List member as protected or temporary.

The WRITEGLOBAL command is ignored.

**Corrective Action:** Check the definition of the pool in the DAGLBLST member and correct the definition if necessary.

**CTO453S pooling ERROR HANDLING PNX BLOCKS**

**Explanation:** This message indicates an internal error.

**Corrective Action:** Contact BMC Software Customer Support.
CTO454S POOL poolid - AUTOEDIT ERROR, RC= rc, REASON= rsn

**Explanation:** Control-O detected an invalid AutoEdit expression in the poolid Global Variable pool at startup or while executing the LOADGLOBAL command.

The poolid Global variable specified in the AutoEdit expression was not loaded. The error was caused for one of the following reasons:

- A mistake was made when the POOL member was manually edited.
- There was an internal error.

Depending on poolid type, the pool is stored in one of two locations: the Global Variables Library or a Control-O AutoEdit Variable database.

The AutoEdit statement is ignored. The LOADGLOBAL command continues with the next line in the DAGLBLST member.

**Corrective Action:**

1. For an explanation of the return code and reason code included in this message, see the following table.
2. Check the source of the AutoEdit expression.
3. Correct the error and reissue command LOADGLOBAL.
4. If the problem is due to an internal error, contact BMC Software Customer Support.

<table>
<thead>
<tr>
<th>Return Code ( rc )</th>
<th>Reason Code ( rsn )</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>GETMAIN or FREEMAIN error</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 through 6</td>
<td>GETMAIN failure</td>
</tr>
<tr>
<td></td>
<td>7 through 10</td>
<td>FREEMAIN failure</td>
</tr>
<tr>
<td>08</td>
<td>Variable not found</td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Variable not found and RESOLVE flag is on.</td>
</tr>
<tr>
<td></td>
<td>36</td>
<td>%%%$COMMSYS value length error.</td>
</tr>
<tr>
<td></td>
<td>68</td>
<td>%%%$TIMEINT first argument is not a valid date.</td>
</tr>
<tr>
<td></td>
<td>69</td>
<td>%%%$TIMEINT second argument is not a valid date.</td>
</tr>
<tr>
<td></td>
<td>74</td>
<td>%%%$X2C argument length is greater than 4.</td>
</tr>
<tr>
<td></td>
<td>88</td>
<td>%%%$DOLIMIT first argument is not numeric.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>89</td>
<td></td>
<td>%%%$RULE functions argument is out of rule stack.</td>
</tr>
<tr>
<td>90</td>
<td></td>
<td>%%%$RULE functions argument is not numeric.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Global variable pool not found.</td>
</tr>
<tr>
<td>980</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>982</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>12</td>
<td>Syntax error or general error</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Empty SET command.</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Empty IF command.</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>%%% not found in SET command.</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td>Separator not found after %%.</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td>‘=’ not found in SET command.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>%%%$TIMEOUT value not numeric.</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - invalid parentheses.</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - too many values.</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>%%%$WAITKSL or %%%$TSO or %%%$CMD - invalid value (not YES/NO).</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>%%%$TIMEOUT - value too large.</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>%%%$STATID value length error.</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>%%%$AUTOLOG value length error.</td>
</tr>
<tr>
<td>37</td>
<td></td>
<td>%%%$AUTOSYS value length error.</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Function arguments not separated.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Too few function arguments.</td>
</tr>
<tr>
<td>45</td>
<td>CTMLINE# PARAMETER NOT NUMERIC</td>
<td>when trying to set %%%CTMLINE# to a non-numeric value.</td>
</tr>
<tr>
<td>46</td>
<td>CTMLINE# &gt; CTMLINES</td>
<td>when trying to set %%%CTMLINE# to a value greater than %%%CTMLINES.</td>
</tr>
<tr>
<td>47</td>
<td>CTMLINE# &lt; 0</td>
<td>when trying to set %%%CTMLINE# to a value less than 0.</td>
</tr>
<tr>
<td>52</td>
<td>%%%SUBSTR 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>%%%SUBSTR 3rd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>%%%SUBSTR 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>%%%SUBSTR 3rd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>%%%RESOLVE argument not recognized.</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>%%%RANGE 1st argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>%%%RANGE 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>%%%RANGE 1st argument out of range.</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>%%%RANGE 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>%%%RANGE is too narrow.</td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>%%%CALCDATE 1st argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>%%%CALCDATE 2nd argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>%%%TIMEINT 1st argument is not 11 digits in length.</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>%%%TIMEINT 1st argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>%%%TIMEINT 2nd argument is not 11 digits.</td>
<td></td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>67</td>
<td>$TIMEINT</td>
<td>2nd argument is not numeric.</td>
</tr>
<tr>
<td>71</td>
<td></td>
<td>More than one operator in one line.</td>
</tr>
<tr>
<td>72</td>
<td></td>
<td>Less than two operands for an operator.</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>More than two operands for an operator.</td>
</tr>
<tr>
<td>75</td>
<td>$D2X</td>
<td>Argument length is greater than 10.</td>
</tr>
<tr>
<td>76</td>
<td>$D2X</td>
<td>Argument is not numeric.</td>
</tr>
<tr>
<td>77</td>
<td>$D2X</td>
<td>Argument number is greater than 2147483647 (2G).</td>
</tr>
<tr>
<td>78</td>
<td>$X2D</td>
<td>Argument length is greater than 8.</td>
</tr>
<tr>
<td>79</td>
<td>$X2D</td>
<td>Argument has an invalid character.</td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>First operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Second operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>83</td>
<td>$DIV</td>
<td>2nd operand is 0.</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G.</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G.</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of $PLUS case overflow.</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of $MINUS case overflow.</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric.</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td>Errors reading the global member</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td>Errors writing the global member</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Program buffers shortage</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Not enough space in RSL buffer.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Arguments too long (ARG buffer overflow).</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program errors</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>No last non-blank for non-blank value in SET command.</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%%$IPLDATE for date formatting W00816*.</td>
</tr>
<tr>
<td>36, 40, and 44</td>
<td></td>
<td>Global variables errors</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range.</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Parse errors</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid type.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Place holder error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Position specification too long.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Non numeric.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Position null.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Section vector overflow.</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Variable buffer overflow.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>----------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
</tbody>
</table>

**CTO455I** POOL poolid HAS BEEN LOADED TYPE= pool_type ROWS= loaded_variables / max_variables_allowed

**Explanation:** This information message indicates that the Global Variable pool poolid was successfully loaded. If pool_type starts with DB, S1 or S2 the numbers in ROWS= are the loaded value and the maximum variables allowed. In other cases the values will be 0.

**Corrective Action:** No action is required.

**CTO457W DATABASE database NOT FOUND IN DATABASES FILE**

**Explanation:** During Control-O or CMEM initialization, Control-O or CMEM failed to load the Global AutoEdit Variable database because the database does not exist in the Global AutoEdit Variable Database file. The member pointed to by the DAGLBLST DD statement contains a list that specifies the Control-O Load Global AutoEdit Variable databases and the IOA Load Global AutoEdit Variable database. The required database that appears in the list does not exist in the Global AutoEdit Variable Database file.

Control-O or CMEM initialization continues.

**Corrective Action:** Notify the INCONTROL administrator

**CTO458S POOL poolid - ERRORS WHILE READING POOL**

**Explanation:** Control-O could not read the poolid Global variable pool during execution of command LOADGLOBAL.

The poolid pool is not loaded.

**Corrective Action:** Verify that the Global pool is in the Global AutoEdit library and that the library is not corrupted.

**CTO459I** READ/WRITE GLOBAL VARIABLES ENDED

**Explanation:** This information message indicates that the CTOVPL program successfully completed execution of command LOADGLOBAL/WRITEGLOBAL.

**Corrective Action:** No action is required.

**CTO45AW WARNING! poolName CONVERTED FROM Stype TO DBtype**

**Explanation:** There is a conflict between inconsistent IOAPLEX and DAGLBLST settings, as follows:

- In IOAPLEX, the ENABXES parameter or ENABXAE parameter is set to N.
- In DAGLBLST, the XAE database is specified as S1 type and S2 type, where type is one of the following database types:
  - TEMP
  - PROT
Control-O loads the database as a standard, or non-XAE, database. Database loading continues.

**Corrective Action:** Check whether, and how, the reduced capability affects any applications that use the downgraded XAE pool.

**CTO45BE -- MEMBER TYPE ERROR ---**

**Explanation:** Control-O or CMEM monitor encounter an invalid POOL TYPE in control record in the DAGLOBAL list file.

**Corrective Action:** No action is required.

**CTO45CE --- KEYWORD NOT RECOGNIZED ---**

**Explanation:** Control-O or CMEM monitor encounter an invalid keyword in a record in the DAGLOBAL list file.

**Corrective Action:** No action is required.

**CTO45DE --- ALL BLANKS - ERROR ---**

**Explanation:** Control-O or CMEM monitor the control record in the DAGLOBAL list file is all blank.

**Corrective Action:** No action is required.

**CTO45EE --- NO BLANKS - ERROR ---**

**Explanation:** Control-O or CMEM monitor encounter an empty control record format in the DAGLOBAL list file.

**Corrective Action:** No action is required.

**CTO45FE --- LESS THAN ZERO ---**

**Explanation:** Control-O or CMEM monitor encounter an invalid control record value in the DAGLOBAL list file.

**Corrective Action:** No action is required.

**CTO45GE --- INVALID CARD FORMAT ---**

**Explanation:** Control-O or CMEM monitor encounter an invalid control record format in the DAGLOBAL list file.

**Corrective Action:** No action is required.

**CTO45HE RECORD= record**

**Explanation:** Control-O or CMEM monitor encounter an error in the DAGLOBAL list file the previous error messages.

The record has been rejected.
Corrective Action: Correct the record and LOADGLOBAL or WRITEGLOBAL as necessary.

CTO45IE MAXIMUM NUMBER OF ROWS $max-num-rows$ EXCEEDED WHILE LOADING POOL $pool-name$. LOAD STOPPED.

Explanation: During LOADGLOBAL of AutoEdit POOL $pool-name$, excessive rows were encountered beyond the maximum number of defined rows $max-num-rows$ in screen IV.

The loading stops.

Corrective Action: If the unloaded AutoEdit variable is required, increase the maximum number of rows for the pool using the screen IV and re-issue the LOADGLOBAL command.

CTO45JI XAE TYPE 2 POOL $pool-name$ HAS NOT BEEN LOADED BECAUSE ANOTHER LPAR HAS ALREADY LOADED IT.

Explanation: During initial loading of AutoEdit POOLS, loading of the POOL $pool-name$, has been skipped because the POOL has already been loaded by Control-O/CMEM on another LPAR.

Corrective Action: No action is required.

Messages CTO500 through CTO5xx
This group includes messages for the Control-O product.

CTO500I INPUT LEN= $inplen$ REC= $inputRecordMsg$

Explanation: This information message is generated when the CTOTEST Control-O utility is invoked.

Corrective Action: This message is sent to CTOTEST. It echoes the input record.

CTO501I func OF RULE TABLE(S) STARTED

Explanation: This information message indicates that the function $func$ started on the rule tables.

Corrective Action: No action is required.

CTO501S OPEN FAILED FOR DDNAME CMDMSGFL

Explanation: The attempt to open input file CMDMSGFL failed.

Possible causes are:
- The CMDMSGFL DD statement is misspelled.
- The data set (member) referenced by the CMDMSGFL DD statement does not exist.

CTOTEST execution terminates.

Corrective Action: Check if the CMDMSGFL DD statement is present in the JCL.

CTO502S INPUT PARAMETER ERROR

Explanation: The subsystem name input parameter is invalid or missing.
CTOTEST execution terminates.

**Corrective Action:** Check if PARM= subsystemName is present in the parameter string.

**CTO503I RC rc LEN= len REC= msgText**

**Explanation:** This information message is generated when the CTOTEST Control-O utility is invoked. The variables in this message are:

- **rc** - the return code
- **len** - the new message length
- **msgText** - the new message text

**Corrective Action:** No action is required.

**CTO503S RULE ORDER LIST IS EMPTY. DDNAME="DARULLST"**

**Explanation:** Open of rule list data set failed (the DARULLST/DACTMLST DD statement). The message may be due to one of the following reasons:

- The DARULLST/DACTMLST missing.
- Data set described by the DARULLST/DACTMLST DD statement cannot be opened for sequential read or record length is not 80.

The Control-O/CMEM monitor shuts down or continues processing according to the status of the monitor.

**Corrective Action:** Correct the JCL and restart the Control-O/CMEM monitor.

**CTO504S INVALID DATA IN RULE ORDER LIST CARDS**

**Explanation:** Invalid data has been found in the rule order list. See INCONTROL for z/OS Administrator Guide for valid format information.

**Corrective Action:** Check the format of the rule list in the PARM library; correct and restart the Control-O/CMEM monitor.

**CTO505S MEMBER memName NOT FOUND IN LIBRARY lib**

**Explanation:** The memName member in the rule order was not found in library lib.

The member (rule table) may be specified incorrectly or may be missing from the library. The rule table is not ordered.

**Corrective Action:** Check and correct the member specification; reorder the rule table.

**CTO506S ORDER OF TABLE tableName RULE ruleName FAILED**

**Explanation:** The order of rule ruleName from table tableName failed. Prior messages usually explain why the rule table could not be ordered.

The rule is not be ordered.
**Corrective Action:** Check earlier messages for reasons the rule order failed. Correct as necessary, and reorder the rule table.

CTO507I LOAD ENDED FOR TABLE *table* LIBRARY *lib*

**Explanation:** This information message indicates that after ordering or forcing a Control-O rule table, loading of rules from the table ended.

**Corrective Action:** No action is required.

CTO508I \{ORDER | FORCE\} OF RULE TABLE(S) ENDED

**Explanation:** This information message indicates that Order or Force of the Control-O rule table ended.

**Corrective Action:** No action is required.

CTO509I NUMBER OF TABLES *numtbl* PROCESSED. *numrul1* RULES LOADED AND *numrul2* RULES REJECTED

**Explanation:** This information message indicates the number of tables processed, and the number of rules that were loaded or deleted (not loaded) as a result of an ORDER or FORCE request. This information can be used for manual verification purposes.

**Corrective Action:** Check the results to ensure that the rule loading was performed correctly.

CTO50BE HOLD BY *jobId* ASID *asid* ON SYSTEM *systemId*

**Explanation:** An ORDER or FORCE command to the Control-O or CMEM monitor to load a table or tables of rules failed, because the library is held by the job *jobId* with the ASID *asid* on system *systemId*. The command fails.

**Corrective Action:** Try to determine why the library is held. If possible, release it, and try again to ORDER or FORCE the table or tables.

CTO50CE LIBRARY WAS MIGRATED BY HSM DSNAME=

**Explanation:** An ORDER or FORCE command to the Control-O or CMEM monitor to load a table or tables of rules failed, because the library had been migrated by HSM. The command fails.

**Corrective Action:** If possible, restore or recall the library, then try again to ORDER or FORCE the table or tables.

CTO50FI *text*

**Explanation:** This information message displays the control record from the DARULLST or DACTMLST DD statement.

**Corrective Action:** No action is required.
CTO516S ERROR IN RULE DATA - MANDATORY stmt_type CARD IS EITHER MISSING OR IN AN INCORRECT ORDER

**Explanation:** A `stmt_type` statement is either missing or in the wrong order in a rule definition member.

Someone may have tampered with the rule definition data; the data do not conform to a valid Control-O or CMEM format.

The rule is not ordered.

**Corrective Action:** Restore the table to its original state from a backup copy, and reorder the rule table.

CTO517S RULE DATA NOT AVAILABLE: MEMBER memName IS EMPTY

**Explanation:** A member designated in the rule list is empty. This error message is issued by the CTOLDT program, which loads tables when a new Control-O or CMEM monitor is activated.

The table is not ordered.

**Corrective Action:** Check that the specification of the member in the rule list is correct. If so, check why the member is empty. Correct, and reorder the rule table.

CTO518S INVALID SCHEDULING DATE - date

**Explanation:** An invalid scheduling date format was used in the rule list or in a order/force request.

Valid `date` formats are:

- ddmmyy - Day, month, and year
- mmddyy - Month, day, and year
- * (Asterisk) - Current Control-O or CMEM working date.

The requested table order fails.

**Corrective Action:** Correct the date. Reorder the rule table.

CTO523S ERROR IN RULE DATA: INVALID IF-THEN-ELSE NESTING

**Explanation:** This message is issued during the ordering of the rule. The rule definition contains an invalid IF-ELSE-ENDIF nesting.

The rule is not ordered.

**Corrective Action:** Correct the rule definition and order it again.

CTO524S RULE TABLE(S) ENDED WITH ERROR

**Explanation:** The indicated function of the CTOLDT program ended with errors. This program loads rule tables when a new Control-O/CMEM monitor is activated, and performs order/force of rule tables.

The IOA Log should contain prior messages concerning the errors.

Depending on when it fails, either the Control-O/CMEM monitor shuts down, or the table is not ordered.

**Corrective Action:** No action is required.
CTO525I RULE TABLE(S) ENDED

**Explanation:** This information message is a normal message issued when the indicated function of the CTOLDT program has terminated successfully. This program loads rule tables when a new Control-O or CMEM monitor is activated, or performs an ORDER or FORCE of rule tables.

**Corrective Action:** No action is required.

CTO526S **** ERROR IN RULE CARDS. CHECK THE FOLLOWING CARDS ***

**Explanation:** The rule definition has been corrupted and the data do not conform to a valid Control-O/CMEM format.

This message is followed by one or more LDT527S messages describing all statements belonging to the damaged rule order. An asterisk (*) appears in the line under the erroneous data.

The rule is not ordered.

**Corrective Action:** Using the Online Viewing Facility, or by editing the member, restore the table to its original state, and reorder the rule table.

CTO527S CARD = card

**Explanation:** The rule definition has been corrupted.

This message follows message LDT526, and displays each statement in the damaged rule in the scheduling table. An asterisk * appears in the line under a damaged statement.

**Corrective Action:** Restore the table to its original state.

CTO528I RULE ruleName rule_type TABLE tableName LIBRARY lib ODATE odate LOADED

**Explanation:** This information message is a normal message when a rule order is successfully loaded by the Control-O/CMEM monitor.

The rule is now in Control-O/CMEM memory.

**Corrective Action:** No action is required.

CTO529I TABLE tableName LIBRARY lib DELETED

**Explanation:** This information message indicates that rule table `tableName` has been deleted from the Control-O/CMEM monitor as a result of an F CONTROLO,D=... operator command.

**Corrective Action:** No action is required.

CTO530E TABLE tableName LIBRARY lib REQUESTED DELETED NOT FOUND

**Explanation:** A request to delete a rule table from the Control-O/CMEM monitor has failed. Table `tableName` has not been found under Control-O/CMEM.

The table may be specified incorrectly or it may never have been ordered.
The table is not deleted.

**Corrective Action:** If the table specification incorrect, check and correct the table specification and issue the delete request again. If the table was never ordered, there is no reason to attempt to delete it.

**CTO531I** NO RULE WAS LOADED - TABLE `tableName` LIBRARY `lib`

**Explanation:** This information message indicates that the Control-O monitor did not load new rules from the `tableName` table in the `lib` library.

While ordering or forcing a rule library, Control-O found no rules that matched the Basic Scheduling parameters.

No rule is loaded.

**Corrective Action:** No action is required.

**CTO532E** MASK `mask` DOES NOT MATCH IN DSN=`dsn`

**Explanation:** The specified mask does not match any members in the rule library.

During rule ordering, the Control-O monitor found no members matching the specified mask.

No rule is loaded.

**Corrective Action:** Check and correct the parameters specified in the ORDER/FORCE command or in the rule list.

**CTO536S** SEVERE ERROR IN RULE DATA CARDS

**Explanation:** Severe error was found in the rule definition data statements. It is followed with additional messages regarding the error.

The rule table is not ordered.

**Corrective Action:** Check for additional messages concerning the errors in the systems and IOA Log and Control-O or CTMCMEM sysprint; correct the error and reorder the table.

**CTO537S** INSUFFICIENT STORAGE IN (EXTENDED) CSA. CANNOT LOAD TABLE

**Explanation:** Insufficient storage in the Extended Common Service Area (CSA) to load the rule table.

If any rules have been previously loaded, the Control-O/CMEM monitor proceeds without loading the table. If no rules were previously loaded, the Control-O/CMEM monitor shuts down.

**Corrective Action:** Check why there is insufficient CSA. You may need to contact your systems programmer. After correcting the problem, reload the table, or restart Control-O/CMEM, as necessary.

**CTO539W** ORDER CANCELLED BY USER EXIT: RULE `ruleName` TABLE `tableName` LIBRARY `lib`

**Explanation:** The specified rule order failed as a result of a user exit check.

The IOA Log should contain prior messages concerning the reason for failure.

The rule order is not ordered/loaded by the Control-O/CMEM monitor.
Corrective Action: Check the IOA Log for further information.

CTO545E DO-MISSION NOT SUPPORTED WITHOUT CONTROL-D INSTALLED

Explanation: An attempt was made to order a rule specifying DO MISSION, but Control-D is not installed. DO MISSION is supported only if Control-D is installed.

The rule is not ordered.

Corrective Action: Either remove this statement from the rule or install Control-D.

CTO548E SEVERE ERROR IN CALENDAR calName OR YEAR NOT FOUND IN CALENDAR

Explanation: Severe error in the IOA calendar calName, or the year not found in the calendar.

Either the year is not defined in the calendar or the calendar has been incorrectly modified.

The rule is not ordered.

Corrective Action: Check the contents of the rule order and the calendar. Correct and reorder the rule.

CTO54DE RULE TYPE IS INCORRECT. TABLE tableName LIBRARY dsn

Explanation: The user attempted to order or force a CMEM rule table from Control-O screen OR, or a Control-O rule table from CMEM screen C.

Control-O rules can only be ordered or forced from Control-O screen OR. CMEM rules can only be ordered or forced from CMEM screen C.

The table specified in the message is not loaded.

Corrective Action: If you issued the command from screen OR, issue it from screen C, or vice versa.

CTO54FW RULE WAS NOT LOADED: \{SYSTEM | SMF ID\}
{rul_sysname|rul_smfid} DOES NOT MATCH \{cur_sysname|cur_smfid\}

Explanation: Control-O did not load a rule because the environment specified for that rule does not match the current environment.

When Control-O loads a table of rules during startup or as a result of an order, it does not load rules whose specified environment does not match the current one.

The Control-O monitor sends this message to SYSPRINT and to the IOALOG, and does not load the rule.

Corrective Action: To load a rule, make the environment specified for it match the current one and reload the table containing the rule.

CTO555S INSUFFICIENT STORAGE. INCREASE THE REGION SIZE

Explanation: There was insufficient memory to perform a task.

The action that could not be performed accompanies this message. It may vary depending on the environment in which the message was issued.
Corrective Action: For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter or exit one of the screens.

CTO560I ENVIRONMENT INITIALIZATION COMPLETE.
Explanation: This information message is issued when the Control-O API first connects with the Control-O or CMEM monitor and completes the initialization process.
Corrective Action: No action is required.

CTO561E REQUESTED FUNCTION NOT SUPPORTED
Explanation: The requested function is not in the list of supported XAM or Control-O API functions.
The XAM interface or Control-O API returns a return code of 08 to the calling routine. The final System Action depends on the calling environment.
Corrective Action: Check the syntax and spelling of the requested function. If necessary, contact your INCONTROL administrator.

CTO562E INTERNAL RESOURCES EXHAUSTED
Explanation: The space in an internal table is exhausted. The XAM interface keeps an internal table of all XAM activities in the address space. The table can contain a maximum 256 concurrent TCBs requesting XAM services. There is no address space for a new XAM user.
Some TSO, REXX, or CLISTs running in the address space probably did not execute the TERM(inate) function, which releases the acquired XAM resources.
The XAM interface returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.
Corrective Action: Determine why there is insufficient space, and correct the problem accordingly.

CTO563E I OA SUBSYSTEM subsys INACTIVE. INTERFACE CANNOT BE USED
Explanation: A request has been received through the XAM interface, or the Control-O API, that needs the Control-O or CMEM monitor, but Control-O or CMEM is not active.
The requested activity is aborted.
Corrective Action: Check why Control-O or CMEM is not active. Once the Control-O or CMEM monitor is active again, re-issue the request.

CTO565E SETOLOC/SETOGLB ERROR CODE=rc REASON=rsn, TEXT=text
Explanation: Either XAM or the Control-O API is unable to execute the AutoEdit request. XAM or the API detected an error while trying to resolve or set an AutoEdit expression.
The XAM interface or the Control-O API returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.
Corrective Action: Ensure that the AutoEdit expression in the SETOLOC, SETOGLB or RESOLVE functions is correctly written.
The following table shows possible values for the error code \((rc)\) and reason code \((rsn)\), with the explanation of each:

<table>
<thead>
<tr>
<th>Error Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>GETMAIN or FREEMAIN error</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Variable not found</td>
<td></td>
</tr>
<tr>
<td>1 through 6</td>
<td>GETMAIN failure</td>
<td></td>
</tr>
<tr>
<td>7 through 10</td>
<td>FREEMAIN failure</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Variable not found</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Variable not found and RESOLVE flag is on.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>%%%$COMMSYS value length error.</td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>%%%$TIMEINT first argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>%%%$TIMEINT second argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>%%%$X2C argument length is greater than 4.</td>
<td></td>
</tr>
<tr>
<td>88</td>
<td>%%%$DOLIMIT first argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>89</td>
<td>%%%$RULE functions argument is out of rule stack.</td>
<td></td>
</tr>
<tr>
<td>90</td>
<td>%%%$RULE functions argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>98</td>
<td>Global variable pool not found.</td>
<td></td>
</tr>
<tr>
<td>980</td>
<td>Internal error - global pool or database not found</td>
<td></td>
</tr>
<tr>
<td>982</td>
<td>Internal error - global pool or database not found</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Syntax error or general error</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Empty SET command.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Empty IF command.</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>%%% not found in SET command.</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Separator not found after %%%.</td>
<td></td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td>‘=’ not found in SET command.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>%%%$TIMEOUT value not numeric.</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - invalid parentheses.</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - too many values.</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>%%%$WAITKSL or %%%$TSO or %%%$CMD - invalid value (not YES/NO).</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>%%%$TIMEOUT - value too large.</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>%%%$STATID value length error.</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>%%%$AUTOLOG value length error.</td>
</tr>
<tr>
<td>37</td>
<td></td>
<td>%%%$AUTOSYS value length error.</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Function arguments not separated.</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Too few function arguments.</td>
</tr>
<tr>
<td>45</td>
<td></td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%%$CTMLINE# to a non-numeric value.</td>
</tr>
<tr>
<td>46</td>
<td></td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%%$CTMLINE# to a value greater than %%%$CTMLINES.</td>
</tr>
<tr>
<td>47</td>
<td></td>
<td>CTMLINE# &lt; 0 when trying to set %%%$CTMLINE# to a value less than 0.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>%%%$SUBSTR 2nd argument not numeric.</td>
</tr>
<tr>
<td>53</td>
<td></td>
<td>%%%$SUBSTR 3rd argument not numeric.</td>
</tr>
<tr>
<td>54</td>
<td></td>
<td>%%%$SUBSTR 2nd argument out of range.</td>
</tr>
<tr>
<td>55</td>
<td></td>
<td>%%%$SUBSTR 3rd argument out of range.</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>%%%$RESOLVE argument not recognized.</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE</td>
<td>1st argument not numeric.</td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE</td>
<td>2nd argument not numeric.</td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE</td>
<td>1st argument out of range.</td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE</td>
<td>2nd argument out of range.</td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE</td>
<td>is too narrow.</td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE</td>
<td>1st argument not in valid format.</td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE</td>
<td>2nd argument not in valid format.</td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT</td>
<td>1st argument is not 11 digits in length.</td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT</td>
<td>1st argument is not numeric.</td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT</td>
<td>2nd argument is not 11 digits.</td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT</td>
<td>2nd argument is not numeric.</td>
</tr>
<tr>
<td>71</td>
<td></td>
<td>More than one operator in one line.</td>
</tr>
<tr>
<td>72</td>
<td></td>
<td>Less than two operands for an operator.</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>More than two operands for an operator.</td>
</tr>
<tr>
<td>75</td>
<td>%%%$D2X</td>
<td>argument length is greater than 10.</td>
</tr>
<tr>
<td>76</td>
<td>%%%$D2X</td>
<td>argument is not numeric.</td>
</tr>
<tr>
<td>77</td>
<td>%%%$D2X</td>
<td>argument number is greater than 2147483647 (2G).</td>
</tr>
<tr>
<td>78</td>
<td>%%%$X2D</td>
<td>argument length is greater than 8.</td>
</tr>
<tr>
<td>79</td>
<td>%%%$X2D</td>
<td>argument has an invalid character.</td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>First operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------</td>
<td>------------------------------------------------</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Second operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>83</td>
<td></td>
<td>%%$DIV 2nd operand is 0.</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G.</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G.</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of %%$PLUS case overflow.</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of %%$MINUS case overflow.</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric.</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%$GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td>Errors reading the global member</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td>Errors writing the global member</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
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</tr>
<tr>
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<td></td>
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</tr>
<tr>
<td>24</td>
<td>Logical record length is not 80.</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Data set in use.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td>Error when opening/processing a directory</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>An abend was intercepted.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Program buffers shortage</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Not enough space in RSL buffer.</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>Arguments too long (ARG buffer overflow).</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Program errors</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>No last non-blank for non-blank value in SET command.</td>
<td></td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in <code>%%%$IPLDATE</code> for date formatting WO0816a.</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range.</td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>48</td>
<td>Parse errors</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Invalid type.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Place holder error.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Position specification too long.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Non numeric.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Position null.</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>String error.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Invalid TPE type.</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>Section vector overflow.</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>Variable buffer overflow.</td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>No global anchor was passed.</td>
<td></td>
</tr>
</tbody>
</table>

CTO566E I OA SUBSYSTEM *subsys* NOT RESPONDING TO REQUESTS

**Explanation:** The IOA subsystem *subsys* did not terminate rule execution within the expected time frame. The XAM requester, or the Control-O API, waits up to two minutes for a DORULE request to terminate the rule. If no such request is received within two minutes, this message is displayed.

The XAM interface, or the Control-O API, returns a return code of 16 to the calling routine. The final system action depends on the calling environment.

**Corrective Action:** Review the rule execution results for errors and rectify as appropriate.

CTO567E I OA SUBSYSTEM *subsys* INACTIVE

**Explanation:** The requested service cannot be provided because the IOA subsystem *subsys* is not up.

The XAM interface, or the Control-O API, returns a return code of 16 to the calling routine. The final system action depends on the calling environment.

**Corrective Action:** Start the Control-O monitor.

CTO568E I OA SUBSYSTEM *subsys* DETECTED AN ERROR

**Explanation:** An internal error was detected by the IOA subsystem *subsys* during the execution of a XAM DORULE, or Control-O API, request.
The XAM interface, or Control-O API, returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

**Corrective Action:** Do the following:

1. Collect information about the functions requested by the XAM interface or the Control-O API.
2. Determine whether or not the Control-O monitor is properly running for ongoing automation which is not related to XAM or the Control-O API.

CTO569E IOA SUBSYSTEM *subsys* RETURNED AN INVALID RETURN CODE

**Explanation:** Due to an internal error, an invalid return code was returned by the subsystem *subsys* during the execution of a XAM DORULE request or a Control-O or CMEM request.

The XAM interface, or the Control-O API, returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

**Corrective Action:** Do the following:

1. Collect information about the functions requested by the XAM interface or the Control-O API.
2. Determine whether or not the Control-O monitor is properly running for ongoing automation which is not related to XAM or the Control-O API.

CTO56AE ERROR IN INAREA FIELDS ADDR=*add1*, *add2* LENGTH *len* DATA=*data_val*

**Explanation:** This diagnostic error message appears when an error has occurred while calling an AutoEdit variable service.

The system action is aborted.

**Corrective Action:** Contact your INCONTROL administrator.

CTW56AW SOME LOCAL VARIABLES NOT COPIED FROM XAM TO RULE, REASON=rsn

**Explanation:** A request was made to execute a Control-O rule by means of the DORULE function of the XAM interface. However, by the time the request was made, the XAM program that was executing had created an excessive number of local AutoEdit variables. The XAM service cannot share all these local AutoEdit variables with the Control-O rule, so some are discarded before the rule is given control.

In this message, rsn is an internal reason code used by BMC Software Customer Support.

The DORULE function continues, and control is given to the rule, but some local AutoEdit variables that cannot be copied to the rule environment are discarded. These discarded local AutoEdit variables are not available to the executed rule, nor are they available to the original XAM program once execution of the rule is complete.

**Corrective Action:** Use less local AutoEdit variables in the XAM program. You may be able to achieve this by using global, rather than local, AutoEdit variables. If the problem persists, contact BMC Software Customer Support.
CTO56BE ERROR IN RESULT FIELDS ADDR=addr, LENGTH len DATA=data_val.

**Explanation:** This diagnostic error message appears when an error has occurred while calling an AutoEdit variable service.
The system action is aborted.
Contact your INCONTROL administrator.

**Corrective Action:** No action is required.

CTO56BW SOME LOCAL VARIABLES NOT COPIED BACK FROM RULE TO XAM, REASON=r

**Explanation:** A request was made to execute a Control-O rule by means of the DORULE function of the XAM interface. However, by the time the rule finished executing, an excessive number of local AutoEdit variables had been created. The XAM service cannot share all these local AutoEdit variables with the original environment (the calling XAM program), so some are discarded before returning from the rule.
In this message, rsn is an internal reason code used by BMC Software Customer Support.
Execution of the DORULE request is completed, and control returns to the calling XAM program. However, some of the local AutoEdit variables that cannot be copied to the environment of the calling program are discarded. These discarded local AutoEdit variables are then no longer available to the original XAM program.

**Corrective Action:** Use less local AutoEdit variables in the XAM program and in the Control-O rule that you were executing. You may be able to achieve this by using global, rather than local, AutoEdit variables.
If the problem persists, contact BMC Software Customer Support.

CTO56CE INAREA LENGTH+RESULT=xxxx +xxxx =xxxx > 255.

**Explanation:** This diagnostic error message appears when an error has occurred while calling an AutoEdit variable service.
The system action is aborted.

**Corrective Action:** Contact your INCONTROL administrator.

CTO56EE CHECKPOINT GLOBAL VARIABLE DATABASE ioavar TIMED OUT AFTER num SECONDS.

**Explanation:** CHECKPOINT was requested in order to save disk changes made in memory to the ioavar variable database. A time-out occurred while the request was being processed.
The CHECKPOINT request is terminated before completion. However, the changes made to the ioavar database are retained in memory, and a subsequent CHECKPOINT request will write them to disk.

**Corrective Action:** No action is required.
CTO56FE CHECKPOINT GLOBAL VARIABLE DATABASE ioavar ENDED WITH ERROR. RC=16

Explanation: CHECKPOINT was requested in order to save disk changes made in memory to the ioavar variable database. An error occurred while the request was being processed.

The CHECKPOINT request is terminated before completion. However, the changes made to the ioavar database are retained in memory, and a subsequent CHECKPOINT request will write them to disk.

Corrective Action: No action is required.

CTO570I INITIALIZATION ENVIRONMENT COMPLETED.

Explanation: This information message indicates that Control-O API initialization finished.

Corrective Action: No action is required.

CTO573E IOA SUBSYSTEM subsys INACTIVE. INTERFACE CANNOT BE USED

Explanation: A request that requires the Control-O or CMEM monitor was issued by means of Control-O API, but the monitor is not active.

The action is aborted.

Corrective Action: Activate the Control-O or CMEM monitor, and reissue the request.

CTO575E SETOLOC/SETOGLB ERROR CODE = rc REASON = rsn, TEXT=text

Explanation: A request to set a local or global variable failed.

The action is aborted.

Corrective Action: Check the return code (rc) and reason code (rsn) in the following table to determine the reason for the failure. Correct the symbol in the rule definition, and reorder the table. If the return code or reason code is not listed, the error is an internal error, and you should notify BMC Software Customer Support. (same as WTO283E, API575E)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Return Code 04</td>
<td>GETMAIN or FREEMAIN error. Reason codes are:</td>
</tr>
<tr>
<td>1 through 6</td>
<td>GETMAIN failure</td>
</tr>
<tr>
<td>7 through 10</td>
<td>FREEMAIN failure</td>
</tr>
<tr>
<td>Return Code 08</td>
<td>Variable not found. Reason codes are:</td>
</tr>
<tr>
<td>13</td>
<td>Variable not found and RESOLVE flag is on</td>
</tr>
<tr>
<td>36</td>
<td>%%COMMSYS value length error</td>
</tr>
</tbody>
</table>
## Code Description

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>68</td>
<td>%%TIMEINT first argument is not a valid date</td>
</tr>
<tr>
<td>69</td>
<td>%%TIMEINT second argument is not a valid date</td>
</tr>
<tr>
<td>74</td>
<td>%%X2C argument length is greater than 4</td>
</tr>
<tr>
<td>88</td>
<td>%%DOLIMIT first argument is not numeric</td>
</tr>
<tr>
<td>89</td>
<td>%%RULE functions argument is out of rule stack</td>
</tr>
<tr>
<td>90</td>
<td>%%RULE functions argument is not numeric</td>
</tr>
<tr>
<td>98</td>
<td>Global variable pool not found</td>
</tr>
<tr>
<td>980</td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>982</td>
<td>Internal error - global pool or database not found</td>
</tr>
</tbody>
</table>

**Return Code 12**  
**Syntax error or General error. Reason codes are:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Empty SET command</td>
</tr>
<tr>
<td>15</td>
<td>Empty IF command</td>
</tr>
<tr>
<td>21</td>
<td>%% not found in SET command</td>
</tr>
<tr>
<td>22</td>
<td>Separator not found after %%</td>
</tr>
<tr>
<td>23</td>
<td>‘=’ not found in SET command</td>
</tr>
<tr>
<td>24</td>
<td>%%$TIMEOUT value not numeric</td>
</tr>
<tr>
<td>25</td>
<td>%%$RESPMSG/TIMEOUT - invalid parentheses</td>
</tr>
<tr>
<td>26</td>
<td>%%$RESPMSG/%%TIMEOUT - too many values</td>
</tr>
<tr>
<td>27</td>
<td>%%$WAITKSL/TSO/CMD - invalid value (not YES/NO)</td>
</tr>
<tr>
<td>28</td>
<td>%%TIMEOUT - value too large</td>
</tr>
<tr>
<td>29</td>
<td>%%STATID value length error</td>
</tr>
<tr>
<td>30</td>
<td>%%AUTOLOG value length error</td>
</tr>
<tr>
<td>37</td>
<td>%%AUTOSYS value length error</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>41</td>
<td>Function arguments not separated</td>
</tr>
<tr>
<td>42</td>
<td>Too few function arguments</td>
</tr>
<tr>
<td>45</td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%%CTMLINE# to a non-numeric value</td>
</tr>
<tr>
<td>46</td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%%CTMLINE# to a value greater than %%%CTMLINES</td>
</tr>
<tr>
<td>47</td>
<td>CTMLINE# &lt; 0 when trying to set %%%CTMLINE# to a value less than 0</td>
</tr>
<tr>
<td>52</td>
<td>%%%$SUBSTR 2nd argument not numeric</td>
</tr>
<tr>
<td>53</td>
<td>%%%$SUBSTR 3rd argument not numeric</td>
</tr>
<tr>
<td>54</td>
<td>%%%$SUBSTR 2nd argument out of range</td>
</tr>
<tr>
<td>55</td>
<td>%%%$SUBSTR 3rd argument out of range</td>
</tr>
<tr>
<td>56</td>
<td>%%%$RESOLVE argument not recognized</td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE 1st argument not numeric</td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE 2nd argument not numeric</td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE 1st argument out of range</td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE 2nd argument out of range</td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE is too narrow</td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE 1st argument not in valid format</td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE 2nd argument not in valid format</td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT 1st argument is not 11 digits in length</td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT 1st argument is not numeric</td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT 2nd argument is not 11 digits</td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT 2nd argument is not numeric</td>
</tr>
<tr>
<td>71</td>
<td>More than one operator in one line</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>72</td>
<td>Less than two operands for an operator</td>
</tr>
<tr>
<td>73</td>
<td>More than two operands for an operator</td>
</tr>
<tr>
<td>75</td>
<td><code>%%$D2X</code> argument length is greater than 10</td>
</tr>
<tr>
<td>76</td>
<td><code>%%$D2X</code> argument is not numeric</td>
</tr>
<tr>
<td>77</td>
<td><code>%%$D2X</code> argument number is greater than 2147483647 (2G)</td>
</tr>
<tr>
<td>78</td>
<td><code>%%$X2D</code> argument length is greater than 8</td>
</tr>
<tr>
<td>79</td>
<td><code>%%$X2D</code> argument has an invalid character</td>
</tr>
<tr>
<td>81</td>
<td>First operand in arithmetic operation is not numeric</td>
</tr>
<tr>
<td>82</td>
<td>Second operand in arithmetic operation is not numeric</td>
</tr>
<tr>
<td>83</td>
<td><code>%%$DIV</code> 2nd operand is 0</td>
</tr>
<tr>
<td>84</td>
<td>First operand is greater than 2G</td>
</tr>
<tr>
<td>85</td>
<td>Second operand is greater than 2G</td>
</tr>
<tr>
<td>86</td>
<td>Result of <code>%%$PLUS</code> case overflow</td>
</tr>
<tr>
<td>87</td>
<td>Result of <code>%%$MINUS</code> case overflow</td>
</tr>
<tr>
<td>91</td>
<td>Logical operand not numeric</td>
</tr>
<tr>
<td>92</td>
<td>Numeric logical operand out of range</td>
</tr>
<tr>
<td>93</td>
<td>Invalid logical operator</td>
</tr>
<tr>
<td>94</td>
<td>Logical atomic expression expected but not found</td>
</tr>
<tr>
<td>95</td>
<td>Unbalanced parentheses in logical expression</td>
</tr>
<tr>
<td>96</td>
<td>Too many nested parentheses in logical expression</td>
</tr>
<tr>
<td>97</td>
<td>Unbalanced quotes</td>
</tr>
<tr>
<td>99</td>
<td><code>%%$GLOBAL</code> value length error</td>
</tr>
<tr>
<td>980</td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>982</td>
<td>Internal error - global pool or database not found</td>
</tr>
</tbody>
</table>

**Return Code 16**

Errors reading the global member. Reason codes are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>Insufficient memory</td>
</tr>
<tr>
<td>12</td>
<td>Member not found</td>
</tr>
<tr>
<td>16</td>
<td>DSN is not a library</td>
</tr>
<tr>
<td>20</td>
<td>DSN is not fixed</td>
</tr>
<tr>
<td>24</td>
<td>LRECL is not 80</td>
</tr>
<tr>
<td>28</td>
<td>Data set in use</td>
</tr>
<tr>
<td>36</td>
<td>Data set not in catalog</td>
</tr>
<tr>
<td>40</td>
<td>Dynamic allocation failed</td>
</tr>
<tr>
<td>52</td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td>An abend was intercepted</td>
</tr>
</tbody>
</table>

**Return Code 20**

Errors writing the global member. Reason codes are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>Insufficient memory</td>
</tr>
<tr>
<td>12</td>
<td>Member not found</td>
</tr>
<tr>
<td>16</td>
<td>DSN is not a library</td>
</tr>
<tr>
<td>20</td>
<td>DSN is not fixed</td>
</tr>
<tr>
<td>24</td>
<td>LRECL is not 80</td>
</tr>
<tr>
<td>28</td>
<td>Data set in use</td>
</tr>
<tr>
<td>36</td>
<td>Data set not in catalog</td>
</tr>
<tr>
<td>40</td>
<td>Dynamic allocation failed</td>
</tr>
<tr>
<td>52</td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>56</td>
<td>An abend was intercepted</td>
</tr>
</tbody>
</table>

**Return Code 24**  
**Program Buffers Shortage. Reason codes are:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Not enough space in RSL buffer</td>
</tr>
<tr>
<td>32</td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td>Arguments too long (ARG buffer overflow)</td>
</tr>
</tbody>
</table>

**Return Code 32**  
**Program Errors. Reason codes are:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>No last non-blank for non-blank value in SET command</td>
</tr>
<tr>
<td>101</td>
<td>No succeeding RSL for adjoining variables</td>
</tr>
<tr>
<td>102</td>
<td>Problems in PUTVAR while initiating</td>
</tr>
<tr>
<td>103</td>
<td>Too many arguments requested from PARSARGS</td>
</tr>
<tr>
<td>104</td>
<td>Problems calculating weekday</td>
</tr>
<tr>
<td>105</td>
<td>Invalid SET system variable</td>
</tr>
<tr>
<td>106</td>
<td>No local anchor was passed</td>
</tr>
<tr>
<td>107</td>
<td>No global anchor was passed</td>
</tr>
<tr>
<td>109</td>
<td>No MCT or SWT present in %/%$PDATE for date formatting WO0816*.</td>
</tr>
</tbody>
</table>

**Return Codes 36, 40, 44**  
**Global Variables Errors. Reason codes are:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Empty chain</td>
</tr>
<tr>
<td>08</td>
<td>End of chain</td>
</tr>
<tr>
<td>12</td>
<td>PNXH header error</td>
</tr>
<tr>
<td>16</td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>20</td>
<td>CTMMSK mash error, RC from IS is &gt; 4</td>
</tr>
<tr>
<td>24</td>
<td>Pool is protected</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>32</td>
<td>Unable to get XAE information</td>
</tr>
<tr>
<td>33</td>
<td>Machine is not participating on XAE</td>
</tr>
<tr>
<td>98</td>
<td>Pool not found</td>
</tr>
<tr>
<td>107</td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td>Field not defined in database</td>
</tr>
<tr>
<td>109</td>
<td>Requested row is out of range</td>
</tr>
</tbody>
</table>

**Return Code 48** | **Parse Errors. Reason codes are:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>Invalid type</td>
</tr>
<tr>
<td>12</td>
<td>Place holder error</td>
</tr>
<tr>
<td>16</td>
<td>Position specification too long</td>
</tr>
<tr>
<td>20</td>
<td>Non numeric</td>
</tr>
<tr>
<td>24</td>
<td>Position null</td>
</tr>
<tr>
<td>28</td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long</td>
</tr>
<tr>
<td>32</td>
<td>String error</td>
</tr>
<tr>
<td>36</td>
<td>Invalid TPE type</td>
</tr>
<tr>
<td>40</td>
<td>Section vector overflow</td>
</tr>
<tr>
<td>44</td>
<td>Variable buffer overflow</td>
</tr>
<tr>
<td>107</td>
<td>No global anchor was passed</td>
</tr>
</tbody>
</table>

**CTO576E IOA SUBSYSTEM subsys NOT RESPONDING TO REQUESTS**

**Explanation:** A request from the Control-O or CMEM monitor by means of the Control-O API failed due to time-out, but the subsystem is active.

The action is aborted.

**Corrective Action:** Check the status of the Control-O or CMEM monitor. If the timeout was the result of a termination process, the problem can be ignored. Otherwise, check for other error messages in the monitor JOBLOG, SYSPRINT or IOALOG, and respond accordingly.
CTO577E I OA SUBSYSTEM **subsys** INACTIVE

**Explanation:** A request from the Control-O or CMEM monitor failed because the Control-O or CMEM monitor is not active.

The action is aborted.

**Corrective Action:** Start the Control-O or CMEM monitor and reissue the request.

CTO578E I OA SUBSYSTEM **subsys** DETECTED AN ERROR

**Explanation:** A request from the Control-O or CMEM monitor failed because the CTOWTO Control-O or CMEM executor module detected an error. The request was issued using the Control-O API.

The action is aborted.

**Corrective Action:** Check the Control-O or CMEM job log or syslog for error messages, and correct accordingly.

CTO579E I OA SUBSYSTEM **subsys** RETURNED AN INVALID RETURN CODE

**Explanation:** A request from the Control-O or CMEM monitor failed because the CTOWTO Control-O or CMEM executor module returned an invalid return code. The request was issued by means of the Control-O API.

The action is aborted.

**Corrective Action:** Notify BMC Software Customer Support.

CTO57AE ERROR IN INAREA FIELDS ADDR= *add1*, *add2* LENGTH *len* DATA= *value*

**Explanation:** An internal error occurred in the INAREA fields while calling an API service.

The action is aborted.

**Corrective Action:** Notify BMC Software Customer Support.

CTO57BE ERROR IN RESULT FIELDS ADDR= *add*, LENGTH *len* DATA= *value*

**Explanation:** An internal error occurred in the RESULTS fields while calling an API service.

The action is aborted.

**Corrective Action:** Notify BMC Software Customer Support.

CTO57CE INAREA LENGTH *length1* + RESULT LENGTH *length4* > 255.

**Explanation:** Due to an internal error, the sum of the INAREA LENGTH and the RESULT LENGTH exceeded the maximum allowable data length of 255 characters when calling the API service.

The action is aborted.

**Corrective Action:** Notify BMC Software Customer Support.
CTO57EE CHECKPOINT GLOBAL VARIABLE DATABASE dbName ENDED DUE TO TIMEOUT AFTER num SECONDS

**Explanation:** A timeout occurred during checkpoint processing of the Global Variables database. The checkpoint request terminated.

**Corrective Action:** Check the Control-O or CMEM monitor job log for additional messages that explain the cause of the problem. If the request ended OK after the timeout occurred, ignore the problem. Otherwise, respond accordingly.

CTO5A0E SERVER serverId, SECURITY ENVIRONMENT CREATION FAILED RC=rc REASON=rsn

**Explanation:** The IOASECUR security handling module failed to establish the security environment. In rules in which value OWNER or TRIGGER has been specified for the RUNTSEC parameter, the IOASECUR module runs a security check on every DO KSL/TSO request included in the rule. This message is often accompanied by the SRV5A1I or CTO281I message, which contains the error message returned by the locally active security product. The KSL/TSO request is not performed.

**Corrective Action:** See the DOCSECUR member in the IOA DOC library for a description of rc and reason. Correct the security definitions, and/or verify changes made to the IOASECUR security module. Additional information is provided in the CTO5A1I or CTO281I message (if issued).

CTO5A1I ERROR MESSAGE = text

**Explanation:** This information message indicates that the IOASECUR security module failed to establish the security environment. In rules in which the value OWNER or TRIGGER has been specified for the RUNTSEC parameter, the IOASECUR module runs a security check on every DO KSL/TSO request included in the rule. In this message, text is the error message returned by the security product active at the site. The KSL/TSO request is not performed.

**Corrective Action:** Depending on the message text, correct the security definitions and verify changes made to the IOASECUR security module.

CTO5A2W SERVER serverId, SECURITY ENVIRONMENT CLEANUP FAILED RC=rc REASON=rsn

**Explanation:** The IOASECUR security handling module failed to reset the security environment. In rules in which value OWNER or TRIGGER has been specified for the RUNTSEC parameter, the IOASECUR module runs a security check on every DO KSL/TSO request included in the rule. This message is often accompanied by message SRV5A1I which contains the error message text returned by the locally active security product.

Depending on the rc and reason, the DO KSL/TSO request may or may not be performed.
Corrective Action: See the DOCSECUR member in the IOA DOC library for a description of rc and rsn.
Correct the security definitions, and/or verify changes made to the IOASECUR security module. More information is provided in the CTO5A1I or CTO281I message (if issued).

CTO5A3I CONTROL-O SERVER serverId STARTED
Explanation: This information message indicates that the specified Control-O server has been successfully started.
Corrective Action: No action is required.

CTO5A4I CONTROL-O SERVER serverId ENDED
Explanation: This information message indicates that the specified Control-O server has been successfully terminated.
Corrective Action: No action is required.

CTO5A5E SERVER serverId SEVERE ERROR - details
Explanation: The specified server detected an internal error. The server is terminated.
Corrective Action: Contact BMC Software Customer Support.

CTO5A9S CONTROL-O SERVER serverId HAS ABENDED. ABEND CODE = abCode
Explanation: The server detected an internal abend. This message indicates an internal error. Server serverId is terminated.
Corrective Action: Contact BMC Software Customer Support for assistance.

Messages CTO600 through CTO6xx
This group includes messages for the Control-O product.

CTO600E ERROR RUNNING CTOCMCK RC=rc
Explanation: The CTOGATE communication facility failed to initialize. CTOGATE called the CTOCMCK module and then ended with an error. This message follows a CTOGATE error message generated by the CTOCMCK module. CTOGATE aborts.
Corrective Action: Correct and re-initialize CTOGATE.
CTO601E STORAGE ALLOCATION FOR COMMUNICATION FAILED, MODULE modName RC=rc

**Explanation:** During communication initialization for the `modName` module, the storage allocation failed with a return code of `rc`. Storage allocation for the Control-O communication facility failed because the CTOGATE communication facility could not obtain enough working storage for processing.

Control-O ends.

**Corrective Action:** Increase the region size and restart Control-O. If increasing the region size does not resolve the problem, record the return code and contact BMC Software Customer Support.

CTO601S CTOTCOS INTERNAL ERROR - `errorText`

**Explanation:** An internal error was detected when a COSMOS Object Status screen option was activated. The option is not performed.

**Corrective Action:** Contact BMC Software Customer Support.

CTO602E ACTION `actionName` IS NOT SUPPORTED

**Explanation:** An invalid command was specified in the COSMOS Object Status screen. The command is ignored.

**Corrective Action:** See options of the Object Status Screen in the *Control-O/COSMOS User Guide* for a list of valid commands in COSMOS online screens.

CTO603E ERROR IN CTMMEM RC=rc ABEND=abCode

**Explanation:** Initialization of communication facility CTOGATE failed to load the parameter member. The error occurred when CTMMEM attempted to load the network map into memory. CTMMEM failed with a return code.

Valid values of `rc` are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Not enough memory</td>
</tr>
<tr>
<td>12</td>
<td>Member not found</td>
</tr>
<tr>
<td>16</td>
<td>DSN is not a library</td>
</tr>
<tr>
<td>20</td>
<td>DSN is not fixed</td>
</tr>
<tr>
<td>24</td>
<td>LRECL is not 80</td>
</tr>
<tr>
<td>28</td>
<td>Data set in use</td>
</tr>
<tr>
<td>32</td>
<td>Internal error</td>
</tr>
</tbody>
</table>
### CTO603I object action objectDb objectcpu

**Explanation:** This information message indicates that the user entered a valid line command in the COSMOS Object Status screen.

One of the COSMOS prepackaged rules is triggered to perform the task and this message is suppressed.

**Corrective Action:** No action is required.

### CTO604E ERROR FREEING STORAGE, PROGRAM pgm, RC=rc

**Explanation:** An internal error was detected when a request was made to end Control-O. When Control-O ends, the Control-O communication module frees internal control blocks and work areas. The error occurred during this operation.

The CTOCMCK program ends with a return code. Control-O fails to end.

**Corrective Action:** Record the message and the return code. Contact BMC Software Customer Support.

### CTO606E UNRESOLVED SYSTEM NAME IN RULE

**Explanation:** An invalid Communication ID was defined in the rule. The Communication module did not find the Communication ID name in the network map or as a SYSPLEX system partner. See the MVS SYSPLEX definitions.

The CTOCMCK program ends.

**Corrective Action:** Define your SYSTEM ID in the communication network map member or as a Sysplex system partner in the MVS PARMLIB. For more information, see the chapter on IOA installation in the *INCONTROL for z/OS Installation Guide*. 

---

<table>
<thead>
<tr>
<th>rc</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>Data set not in catalog</td>
</tr>
<tr>
<td>40</td>
<td>Dynamic allocation failed</td>
</tr>
<tr>
<td>48</td>
<td>Number of lines exceeds the maximum</td>
</tr>
<tr>
<td>52</td>
<td>Error when opening processing directory</td>
</tr>
<tr>
<td>56</td>
<td>STAE has detected an abend</td>
</tr>
<tr>
<td>68</td>
<td>Inconsistent type</td>
</tr>
</tbody>
</table>
CTO607E COMMUNICATION CANNOT [BE] PERFORMED. IT WAS NOT INITIALIZED

Explanation: Control-O was not initialized with the Communication option. A system ID was specified in the rule, but the communication option was not active.

No communication rule is performed.

Corrective Action: To perform the rule, do one of the following:

- Start Control-O with the CTOGATE communication parameter in the CTOPARM member set to YES.
- If Control-O was started with CTOGATE set to YES, check if Control-O was stopped by the modify option, STOPCOMM. If Control-O was stopped by STOPCOMM, restart Control-O with STARTCOMM.

CTO609S BLDL/LOAD FAILED FOR THE MODULE modName

Explanation: Loading Control-O Application Server modName failed. The modName module did not exist in the library specified in DD statement STEPLIB or in the LINKLIST concatenation.

The Application Server (CTOGATE) ends.

Corrective Action: Verify that the correct library is specified in DD statement STEPLIB or in the LINKLIST concatenation.

CTO60AS MBX mbxopt TIME OUT ERROR

Explanation: Control-O Gateway used MBX option mbxopt and timed out. IOAGATE issues a message with a return code indicating when the time out was issued. Other messages in the IOAGATE message job log help explain the problem.

The Application Server subtask (CTOGATE) ends.

Corrective Action: Check the messages in the IOAGATE message job log. Correct the error and restart CTOGATE.

CTO60BS MBX mbxopt TERMINATION ERROR

Explanation: Control-O detected an internal error when the user specified MBX option mbxopt. IOAGATE issued a return code indicating the internal error.

Application server subtask CTOGATE ends.

Corrective Action: Check the IOAGATE message job log for messages connected with this problem. Contact BMC Software Customer Support.

CTO60CS MBX mbxopt GTW SHUT DOWN ERROR

Explanation: IOAGATE issued a time out after the user specified MBX option MBXOPT. IOAGATE issues a return code indicating the reason for the shutdown.

The Application Server subtask CTOGATE ends.

Corrective Action: Restart IOAGATE and the Application Server CTOGATE.
CTO60DS MBX *mbxopt* INTERNAL ERROR OCCURRED

**Explanation:** The Application Server CTOGATE ended due to an unrecoverable error. Preceding messages contain information about the error.

The Application Server subtask CTOGATE ends.

**Corrective Action:** Check preceding messages, correct the problem, and restart the Application Server CTOGATE.

CTO60ES INTERNAL COMMUNICATION ERROR OCCURRED, RC=rc, DATA=data

**Explanation:** The Application Server CTOGATE ended due to an unrecoverable error. Preceding messages contain information about the error.

The Application Server subtask CTOGATE ends.

**Corrective Action:** Correct the problem and restart the Application Server CTOGATE. If the problem is not resolved, record the return code and contact BMC Software Customer Support.

CTO610W CONTROL-O IS NOT ACTIVE SUBSYSTEM subsys NOT ACTIVE

**Explanation:** CTOGATE attempted to access Control-O. However, Control-O was not active. CTOGATE checks whether or not Control-O functions of the IOA subsystem subsys are activated. The Application Server did not find the subsystem ready for use.

CTOGATE waits for Control-O to be started.

**Corrective Action:** Start the Control-O monitor.

CTO611S CTOTDBS INTERNAL ERROR - errorText

**Explanation:** This is one of two messages with the same ID, but different text.

An internal error was detected when a COSMOS Database Status screen option was activated. The option is not performed.

**Corrective Action:** Contact BMC Software Customer Support.

CTO611S GETRQC INTERNAL ERROR, RC=rc

**Explanation:** This is one of two messages with the same ID, but different text.

An internal error caused the Application Server to fail to retrieve messages from the Control-O request chain.

The Application Server subtask CTOGATE issues a return code and ends.

**Corrective Action:** Restart the Application Server. If the problem persists, record all messages and return code and contact BMC Software Customer Support.

CTO612E ACTION actionName IS NOT SUPPORTED

**Explanation:** An invalid line command was specified in the COSMOS Database Status screen. The line command is ignored.
**Corrective Action:** For a list of valid line commands in COSMOS online screens, see the description of the options of the Object Status Screen in the [Control-O/COSMOS User Guide](https://example.com).

**CTO613I** object action objectDb objectcpu

**Explanation:** This information message indicates that the user entered a valid line command in the COSMOS Database Status screen. One of the COSMOS prepackaged rules is triggered to perform the task, and this message is suppressed. 

**Corrective Action:** No action is required.

**CTO613S** modName INTERNAL ERROR, R15=rsn, RC=rc

**Explanation:** An internal error was detected in the `modName` module. The Application Server becomes unstable. 

**Corrective Action:** Stop and restart IOAGATE and the Application Server CTOGATE. If the error persists, contact BMC Software Customer Support.

**CTO614W** CONTROL-O IS NOT ACTIVE

**Explanation:** CTOGATE attempted to access Control-O. However, Control-O was not active. 

**Corrective Action:** Start the Control-O monitor.

**CTO615I** CONTROL-O control IS ACTIVE. APPLICATION SERVER IS READY.

**Explanation:** This information message indicates that CTOGATE detected that Control-O has started. Control-O communication via CTOGATE starts.

**Corrective Action:** No action is required.

**CTO616I** COMMUNICATION WAS ALREADY STARTED.

**Explanation:** The user attempted to start communication. However, it was already operating. 

**Corrective Action:** No action is required.

**CTO617I** COMMUNICATION WAS ALREADY STOPPED.

**Explanation:** The user attempted to stop communication. However, it had already been stopped. 

**Corrective Action:** No action is required.

**CTO619I** COMMUNICATION CANNOT BE ACTIVATED.

**Explanation:** This information message indicates that the user was unable to activate Control-O communication. STARTCOMM modify command cannot be performed. Control-O was started with the CTOGATE parameter set to NO. 

Control-O communication is not activated.
Corrective Action: Start Control-O with the CTOGATE parameter in the CTOPARM member set to YES.

CTO61FI CONTROL-O COMMUNICATION IS ACTIVE. NETWORK NAME=sysname, NETWORK MAP=memName'
Explanation: This information message indicates that Control-O communication initialization is complete. Communication is operating using system name sysname and communication network map memName.
Corrective Action: No action is required.

CTO620I CONTROL-O COSMOS INITIALIZATION STARTED. CTOCOS release APAR apar
Explanation: Control-O issues the message when starting the Control-O Status Monitoring System (COSMOS) and displays the version and the level of the COSMOS main module CTOCOS.
Corrective Action: No action is required.

CTO621I CONTROL-O COSMOS STARTED
Explanation: This information message indicates that the Control-O Status Monitoring System (COSMOS) has been started in response to an operator command or as part of the Control-O startup process.
Corrective Action: No action is required.

CTO622S CONTROL-O COSMOS TERMINATION ERROR
Explanation: COSMOS terminated after an error was detected. This message is accompanied by other messages which explain the cause of the error.
COSMOS ends with errors.
Corrective Action: See the accompanying messages for the cause of the problem and correct it accordingly.

CTO623I CONTROL-O COSMOS ENDED
Explanation: This information message indicates COSMOS terminated in response to an operator command or as part of the Control-O shutdown process.
Corrective Action: No action is required.

CTO624S OPEN OF DDNAME ddName FAILED
Explanation: COSMOS was unable to open the file referenced by the ddName DD statement.
Possible causes are:
- The ddName DD statement is misspelled.
- The data set (member) described by the ddName DD statement does not exist.
COSMOS ends with errors.
**Corrective Action:** Check the Control-O starting procedure JCL to verify that the DD statement and the file referenced by it exist.

**CTO625S READ ERROR FOR **ddName**

**Explanation:** COSMOS is unable to read the file referenced by the **ddName** DD statement. Possible causes are:

- The **ddName** DD statement is misspelled.
- The data set (member) described by the **ddName** DD statement does not exist.

COSMOS ends with errors.

**Corrective Action:** Check that the appropriate file name is referenced correctly.

**CTO626S CONTROL-O COSMOS INITIALIZATION ERROR**

**Explanation:** An error was detected during COSMOS initialization. This message is accompanied by other messages that describe the error that occurred.

COSMOS shuts down.

**Corrective Action:** See the accompanying messages for more information about the initialization error.

**CTO627S CONTROL-O COSMOS MISSING OBJECT PLB**

**Explanation:** The pool of AutoEdit variables containing the Objects cannot be found. A search is made for this pool during COSMOS initialization.

COSMOS shuts down.

**Corrective Action:** Check if the object pool defined in the COSMOLST member was defined in DAGLBLST and exists in memory.

**CTO628S CONTROL-O COSMOS MISSING METHOD PLB**

**Explanation:** The pool of AutoEdit variables containing the Methods cannot be found. A search is made for this pool during COSMOS initialization.

COSMOS shuts down.

**Corrective Action:** Check if the method pool defined in the COSMOLST member was defined in DAGLBLST and exists in memory.

**CTO629S CONTROL-O COSMOS MISSING PREREQ PLB**

**Explanation:** The pool of AutoEdit variables containing the Prerequisites cannot be found. A search is made for this pool during COSMOS initialization.

COSMOS shuts down.

**Corrective Action:** Check if the prerequisites pool defined in the COSMOLST member was defined in DAGLBLST and exists in memory.
CTO630S CONTROL-O COSMOS GETMAIN ERROR FOR CDT

**Explanation:** COSMOS failed to acquire storage for the CDT control block. CDT is a required internal control block for COSMOS.
COSMOS shuts down.

**Corrective Action:** Check if the storage defined for ECSA (Extended Common Service Area) is large enough. If not, increase the ECSA size.

CTO631S CONTROL-O COSMOS GETMAIN ERROR FOR RESTEXT

**Explanation:** COSMOS subtask failed to allocate a working area.
COSMOS terminated. Control-O continues to operate.

**Corrective Action:** Check MVS GETMAIN messages that appear in the SYSLOG and try to solve the problem.

CTO632S CONTROL-O COSMOS POOL *poolname* WAS NOT LOADED GLOBAL VARIABLE DATABASE.

**Explanation:** COSMOS subtask tries to initiate the COSMOS environment but the pool was not loaded.
COSMOS terminated. Control-O continues to operate.

**Corrective Action:**
1. Check that the pool name is correct in COSMOLST and if not, correct it. If the pool name is missing, add it to the DAGLBLST, then load the pool name.
2. Check that pool name is in the DAGLBLST and its characteristics are correct.
If the pool name's characteristics are incorrect stop and start the Control-O monitor. After correcting the error you can restart COSMOS.

CTO633S CONTROL-O COSMOS POOL *poolname* MAX ROW IS ZERO.

**Explanation:** COSMOS subtask tries to initiate the COSMOS environment but the pool cannot be used by COSMOS because it cannot contain any data.
COSMOS terminated. Control-O continues to operate.

**Corrective Action:** Correct the pool definition in IOA Global Variable Database then load it again using LOADGLOBAL=*poolname* modify command.

CTO634I CONTROL-O COSMOS HEADER MODE=*mode*
PRE-REQUISITE=*poolname* OP-FLAGS=*flags* FSM-FLAGS=*flags*

**Explanation:** COSMOS subtask displays record type "H" from COSMOLST.

MODE=*mode* - default status of COSMOS' objects
PRE-REQUISITE=*poolname* - name of prerequisite pool
OP-FLAGS=*flags* - COSMOS operation flags
FSM-FLAGS=*flags* - COSMOS control flags
For details on the flags, refer to the Control-O/COSMOS User Guide.

**Corrective Action:** No action is required.

CTO635I CONTROL-O COSMOS OBJECTS source_pool-operating_pool
METHOD method MODE=mode UP=up DOWN=down UNKNOWN=unknown

**Explanation:** COSMOS subtask displays record type "T" from COSMOLST.

OBJECTS source_pool-operating_pool - name of COSMOS source and its operating pool name
METHOD method - method's pool name for objects of this pair of pools
MODE=mode - default mode for objects of this pair of pools
UP=up - the code used in this pool pair to represent the UP state
DOWN=down - the code used in this pool pair to represent the DOWN state
UNKNOWN=unknown - the code used in this pool pair to represent the UNKNOWN state

**Corrective Action:** No action is required.

CTO636I CONTROL-O COSMOS SYSTEMS a b c d e f g

**Explanation:** COSMOS subtask displays record type "C" from COSMOLST.
a-g are the system names in the record

**Corrective Action:** No action is required.

CTO637S CONTROL-O COSMOS SYSTEM system IS NOT IN COSMOS SYSTEMS LIST

**Explanation:** COSMOS subtask displays the started system whose name is not included in record type "C" from COSMOLST.

COSMOS terminated. Control-O continues to operate.

**Corrective Action:** Add the started system to record type "C" in COSMOLST. Start COSMOS again.

CTO650E STORAGE OBTAIN FAILED WITH RETURN CODE rc

**Explanation:** An attempt to acquire storage for an internal table failed with a return code of rc. The CTOCTI utility requested working storage for an internal table.

The CTOCTI utility terminates.

**Corrective Action:** Increase the region size specified in the JOB or EXEC JCL statement and rerun the job.

CTO651E OPEN FAILED FOR DDNAME OBJFILE

**Explanation:** The CTOCTI utility attempted to open the data set referenced by the OBJFILE DD statement but failed.

Possible causes are:
The OBJFILE DD statement is misspelled.

The data set (member) referenced by the OBJFILE DD statement does not exist.

**Corrective Action:** Verify that the data set exists and is spelled correctly. Rerun the job.

**CTO652S INTERNAL OBJECT TABLE MUST BE ENLARGED**

**Explanation:** The amount of storage allocated for an internal table is insufficient. The system has more started tasks than the CTOCTI utility anticipated. The storage allocated for one of the internal tables is insufficient.

The CTOCTI utility terminates.

**Corrective Action:** Contact your INCONTROL administrator.

**CTO653E ALESERV ADD FAILED FOR addrSpace WITH RETURN CODE rc**

**Explanation:** Function ALESERV was invoked to analyze address space `addrSpace`, but failed with return code `rc`.

Control-O continues its analysis with the next address space.

**Corrective Action:** No action is required.

**CTO654I ADDRESS SPACE addrSpace IS SWAPPED OUT AND WILL BE SKIPPED**

**Explanation:** This information message indicates that Control-O failed to get information from address space `addrSpace`. Function ALESERV was invoked to analyze the address space but failed because the specified address space is swapped out.

Control-O continues its analysis with the next address space.

**Corrective Action:** No action is required.

**CTO655E ALESERV DELETE FAILED FOR addrSpace WITH RETURN CODE rc**

**Explanation:** Control-O acquired information from address space `addrSpace` but the attempt to disconnect from the address space failed.

After analyzing the address space, ALESERV function DELETE tried to disconnect from the address space but failed with return code `rc`.

Control-O continues its analysis with the next address space.

**Corrective Action:** No action is required.

**CTO656I STARTED TASK taskName WILL BE ADDED TO THE DATABASE**

**Explanation:** This information message indicates that started task `taskName` was not specified in the Object file but was active in the system.

The started task is added to the COSMOS database.
Corrective Action: No action is required.

CTO657I  OBJECT_NAME/DESC CLASS_NAME / DESCR ADDRSPAC STATUS

Explanation: This information message is the header for data displayed by message CTO659I. It is generated when invoking the CTOCTI utility.

The J field at the end of this message is usually blank. When J is displayed, it means JOINed, and indicates that the address space is part of a composite address space. For example, CICS monitors use three address spaces: AOR, TOR and FOR.

Corrective Action: No action is required.

CTO658I  text.

Explanation: This information message is an internal message issued by the CTOCTI utility. When running the CTOCTI utility to define started tasks for the Control-O/COSMOS database, a Control-O rule traps these internal messages and creates the required definitions for Control-O/COSMOS.

Corrective Action: No action is required.

CTO659I  objName classname addrSpace status

Explanation: This information message displays the object name (16 characters), class name (16 characters), address space name (8 characters), status (ACTIVE, INACTIVE, EXCLUDED) and J (1 character)

The J field at the end of this message is usually blank. When J is displayed, it means JOINed and indicates that the address space is part of a composite address space. For example, CICS monitors use three address spaces: AOR, TOR and FOR.

Corrective Action: No action is required.

CTO660I  ADDRESS SPACE addrSpace WILL BE PROCESSED NOW

Explanation: This information message indicates that the CTOCTA utility has begun processing the addrSpace address space. The CTOCTA utility will display all programs running.

Corrective Action: No action is required.

CTO661I  ADDRESS SPACE addrSpace IS SWAPPED OUT AND WILL BE SKIPPED

Explanation: This information message indicates that the CTOCTA utility attempted to get information from the addrSpace address space, but failed, because the address space is swapped out. An ALESERV function was invoked to analyze the address space, but failed.

The CTOCTA utility continues its analysis with the next address space.

Corrective Action: No action is required.

CTO662E  ALESERV ADD FAILED WITH RETURN CODE rc

Explanation: The CTOCTA utility was invoked to get information from the address space but failed with return code rc. An ALESERV function was invoked to analyze the address space, but failed.
The CTOCTA utility continues its analysis with the next address space.

**Corrective Action:** No action is required.

**CTO663E** ALESERV DELETE FAILED WITH RETURN CODE \( rc \)

**Explanation:** The CTOCTA utility analyzed information from an address space but the attempt to disconnect from the address space failed. The DELETE ALESERV function was invoked to disconnect from the address space after analyzing it, but failed with a return code of \( rc \).

The CTOCTA utility continues its analysis with the next address space.

**Corrective Action:** No action is required.

**CTO664I** ADDRESS SPACE \( addrSpace \) status

**Explanation:** This information message indicates that address space \( addrSpace \) is ACTIVE or INACTIVE. The CTOCTA utility displays the target address space and its status after completing its analysis of the system.

**Corrective Action:** No action is required.

**CTO665E** INPUT PARAMETER (ADDRESS SPACE NAME) ERROR DETECTED

**Explanation:** An input parameter is missing or is too large. Either the parameter is not present in the invocation JCL, or it is too large.

The CTOCTA utility terminates.

**Corrective Action:** Add or correct the input parameter and rerun the job.

**CTO666I** PROGRAM \( pgm \) FOUND IN THE RB CHAIN

**Explanation:** This information message indicates that the CTOCTA utility found at least one task in the address space running the \( pgm \) program.

**Corrective Action:** No action is required.

**CTO667I** SVC \( svcno \) (TYPE 2 NUCLEUS SVC) FOUND IN AN SVRB

**Explanation:** This information message indicates that the CTOCTA utility found at least one task in the address space running the \( svcno \) SVC number.

**Corrective Action:** No action is required.

**CTO670E** ACB CONTROL BLOCK IS NOT VALID

**Explanation:** The alternate subsystem encountered an ACB control block that does not have a valid identifier.

The Control-O subsystem terminates the connection between the alternate subsystem and the Control-O subsystem.

**Corrective Action:** Contact BMC Software Customer Support.
CTO671E  SSI ROUTINE SUBSYSTEM IS INACTIVE

**Explanation**: The CTODMI alternate subsystem module failed to invoke the Control-O subsystem. Because the Control-O subsystem is not active, there is no connection between the alternate subsystem and the Control-O subsystem.

Communication between the alternate subsystem and the Control-O subsystem fails.

**Corrective Action**: Reactivate Control-O in order to reestablish communication.

CTO672E  SSI ROUTINE DETECTED AN ERROR

**Explanation**: Control-O encountered an internal error (a return code of 16) while attempting to process the SSI request to transmit information from the alternate subsystem to the Control-O subsystem.

The information is not transmitted.

**Corrective Action**: Contact BMC Software Customer Support.

CTO673E  SSI ROUTINE RETURNED AN UNDEFINED RETURN CODE

**Explanation**: Control-O encountered an internal error (a return code of 20) while processing an SSI request. The alternate subsystem was trying to transmit data to the Control-O subsystem.

The data is not transmitted.

**Corrective Action**: Contact BMC Software Customer Support.

CTO674E  CTO SSCT POINTER NOT SET - SSI ROUTINE INVOCATION BYPASSED

**Explanation**: The pointer to the Control-O subsystem SSCT was not set. The initialization process normally sets the pointer to the Control-O subsystem SSCT.

Communication between the Control-O subsystem and the alternate subsystem terminates.

**Corrective Action**: Contact BMC Software Customer Support.

CTO681E  DSN dsn - NOT A LIBRARY

**Explanation**: The requested DSN is not a partitioned data set. Possible causes are:

- New Day procedure - failure to read a calendar from the data set described by the DACAL DD statement.
- Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or %%LIBSYM %%MEMSYM statement).
- IOA Online facility - schedule, calendar or rule definition.

The system action depends on the cause, as follows:

- New Day procedure - ends with errors.
- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.

**Corrective Action**: The appropriate response depends on the cause, as follows:
· New Day procedure - Correct the name of the data set described by the DACAL DD statement to the name of your calendar library.
· AutoEdit facility - Correct the JCL for the job and rerun it.
· Online facility - Correct the library name and retry.

**CTO683E DSN dsn - LRECL NOT 80**

**Explanation:** Record length of the requested DSN is not 80. Possible causes are:
· New Day procedure - failure to read a calendar from the data set described by the DACAL DD statement.
· Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or %LIBSYM %MEMSYM statement).
· Control-M Online facility - schedule definition or calendar definition.

The system action depends on the cause, as follows:
· New Day procedure ends with errors.
· AutoEdit facility - job submission stops.
· Online facility - reading or updating of the table calendar is not performed.

**Corrective Action:** The appropriate response depends on the cause, as follows:
· New Day procedure - Correct the name of the data set described by the DACAL DD statement to the name of your calendar library.
· AutoEdit facility - Correct the JCL for the job and rerun it.
· Online facility - Correct the library name and retry.

**CTO684E DSN dsn IN USE (DISP=OLD)**

**Explanation:** The DSN is held exclusively by another user.

Possible causes are:
· Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or %LIBSYM %MEMSYM statement).
· IOA Online facility - schedule, calendar or rule definition.
· Control-O initialization.
· CMEM initialization.

The system action depends on the cause, as follows:
· AutoEdit facility - job submission stops.
· IOA Online facility - reading or updating of the table, calendar or rule is not performed.
· Control-O is not started.
· CMEM is not started.

**Corrective Action:** Try again.
CTO686E DSN \textit{dsn} NOT IN CATALOG

\textbf{Explanation:} The requested DSN \textit{dsn} is not in the catalog. Possible causes are:

- Control-M AutoEdit facility - failure to read a symbols member (``GLOBAL statement, or``
  ``LIBSYM MEMSYM statement).``
- IOA Online facility - schedule, calendar or rule definition.
- New Day procedure - failure to read a calendar from the data set described by the DACAL DD
  statement.

The system action depends on the cause, as follows:

- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.
- New Day procedure ends with errors.

\textbf{Corrective Action:} The appropriate response depends on the cause, as follows:

1. AutoEdit facility - correct the JCL for the job and rerun it.
2. Online facility - correct the library name and retry.
3. New Day procedure - correct the New Day procedure and retry.

CTO687E DSN \textit{dsn} - DYNAMIC ALLOCATION FAILED

\textbf{Explanation:} Dynamic allocation for the requested DSN \textit{dsn} failed. Possible causes are:

- Control-M AutoEdit facility - failure to read a symbols member (``GLOBAL statement, or``
  ``LIBSYM MEMSYM statement).``
- IOA Online facility - schedule, calendar or rule definition.
- This can also happen when the Control-M Online facility is activated under the Control-M Online facility
  (nesting) and you are trying to access the same library in two screens.

The system action depends on the cause, as follows:

- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.

\textbf{Corrective Action:} Exit the Online facility and retry. If this happens under batch environment or in
Control-M AutoEdit facility, prepare the Control-M monitor full output and contact BMC Customer Support
for assistance.

CTO688E INTERNAL ERROR - INVALID REQUEST TO CTMMEM. INFORM
IOA ADMINISTRATOR

\textbf{Explanation:} Internal IOA error while trying to read a member from a library. Possible causes are:
New Day procedure - failure to read a calendar from the data set described by the DACAL DD statement.

IOA AutoEdit facility - failure to allocate or read a symbols member (a %%GLOBAL statement, or a \%\%LIBSYM \%\%MEMSYM statement, or a \%\%INCLIB \%\%INCMEM statement). When using the \%\%INCMEM DDNAME= \var{ddn} format, ensure that \var{ddn} is allocated by the required procedure (Control-M monitor, IOA Logon procedure, and so on).

IOA Online facility - schedule, calendar or rule definition.

The system action depends on the cause, as follows:

- New Day procedure ends with errors.
- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

CTO690E INVALID RETURN CODE FORM CTMMEM - INFORM IOA ADMINISTRATOR

Explanation: Internal IOA error while trying to read a member from a library. Possible causes are:

- New Day procedure - Failure to read a calendar from the data set described by the DACAL DD statement.
- IOA AutoEdit facility - Failure to read a symbols member (\%\%GLOBAL statement, or \%\%LIBSYM \%\%MEMSYM statement).
- IOA Online facility - Schedule definition or calendar definition.

The system action depends on the cause, as follows:

- New Day procedure ends with errors.
- AutoEdit facility - Job submission stops.
- Online facility - Reading or updating of the table or calendar is not performed.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

CTO691E ERROR WHILE PROCESSING DIRECTORY OF LIBRARY

Explanation: Internal Control-M error while trying to read a directory of a library during schedule definition, calendar definition, batch utility, etc.

Online facility - Tables or calendars list is not shown.

Corrective Action: For batch utility, correct the error and rerun the job.
CTO692E LIBRARY OPERATION FAILED. REASON $rsn$

**Explanation:** Internal Control-M error while trying to process a member from a library. Possible causes are shown in the following table:

<table>
<thead>
<tr>
<th>Circumstances</th>
<th>System Action</th>
<th>Possible Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Day procedure</td>
<td>New Day procedure terminates with errors</td>
<td>Failure to read a calendar from the data set described by the DACAL DD statement</td>
</tr>
<tr>
<td>Control-M AutoEdit facility</td>
<td>Job submission is stopped</td>
<td>Failure to read a symbols member ($%GLOBAL statement, or $%LIBSYM $%MEMSYM statement)</td>
</tr>
<tr>
<td>Control-M Online facility</td>
<td>Processing of schedule, mission, rule or calendar definition is not performed</td>
<td>Internal failure to process the schedule, mission, rule or calendar definition</td>
</tr>
</tbody>
</table>

**Corrective Action:** Examine any prior system message. If there is no such message, prepare the Control-M monitor full output and contact BMC Customer Support for assistance.

**Messages CTO700 through CTO7xx**

This group includes messages for the Control-O product.

**CTO720I FORMATTING OF STATISTICS FILE STARTED**

**Explanation:** This informative message is issued when the CTOFST Statistics Formatting utility starts formatting the Statistics file.

**Corrective Action:** No action is required.

**CTO721S STATISTICS FILE DYNAMIC ALLOCATION ERROR $rc/rsn/dsn$**

**Explanation:** Dynamic allocation of the Statistics file dsn failed with the return code $rc$ and the reason code $rsn$.

The CTOFST Statistics Formatting utility terminates with a return code of 08.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* to determine the cause of the error, and correct the error accordingly. If not successful, contact BMC Software Customer Support.

**CTO722S STATISTICS FILE ALLOCATION ERROR - ACTIVE SMF ID DOES NOT MATCH PARAMETER SMF ID**

**Explanation:** The SMF ID specified for the CTOFST Statistics Formatting utility does not match the active MVS SMF ID. The SMF ID for the CTOFST utility is specified in the input PARM string. The current MVS SMF ID is specified in IEASMFxx of SYS1.PARMLIB. These SMF IDs should match.
The CTOFST utility terminates with return code of 08.

Corrective Action: Correct the PARM string to reflect the active SMF ID, and rerun the job.

CTO723S STATISTICS FILE IN USE. FORMATTING CANNOT BE PERFORMED

Explanation: The CTOFST Statistics Formatting utility failed to format the Statistics file because the file is allocated to another user. The CTOFST Statistics Formatting utility attempts to allocate the Statistics file with DISP set to OLD.

The utility terminates with a return code of 08.

Corrective Action: Make sure that no user is allocated to the Statistics file, and rerun the job.

CTO724E OPEN OF STATISTICS FILE FAILED

Explanation: The CTOFST Statistics Formatting utility could not successfully open the Statistics file.

The utility terminates with a return code of 08.

Corrective Action: Look for previous MVS error messages regarding the opening of the Statistics file. Correct the error and rerun the job.

CTO725E OPEN OF MESSAGES FILE FAILED

Explanation: The CTOFST Statistics Formatting utility unsuccessfully attempted to open the Messages file specified in the SYSPRINT DD statement. An OPEN request was issued to the Messages file but was unsuccessful. A possible cause is that the SYSPRINT DD statement may not have been specified in the job stream.

The utility terminates with a return code of 08.

Corrective Action: Look for earlier MVS error messages regarding the opening of the Messages file. Correct the error, and rerun the job.

CTO726S FORMATTING OF STATISTICS FILE ENDED WITH ERROR

Explanation: The formatting of the Statistics file was unsuccessful.

The CTOFST Statistics Formatting utility terminates with a return code of 08.

Corrective Action: Look for earlier error messages to determine the cause of the error. Correct the error and rerun the job.

CTO729S WRITE OPERATION TO THE STATISTICS FILE FAILED

Explanation: A WRITE request failed during the formatting of the Statistics file.

The CTOFST Statistics Formatting utility terminates with a return code of 08.

Corrective Action: Delete the Statistics file. Then rerun the job, specifying smfid volser and unit. Earlier MVS error messages regarding the Statistics file may indicate the cause of the error.
CTO730I FORMATTING OF STATISTICS FILE ENDED SUCCESSFULLY

Explanation: This information message is issued when the CTOFST Statistics Formatting utility completes with no errors.
Corrective Action: No action is required.

CTO731E INVALID PARAMETERS

Explanation: The DEFSTAT utility was called with incorrect parameters. The utility terminates with a return code of 08.
Corrective Action: Correct the parameters and rerun the utility.

CTO742S ERROR IN OPEN OF INPUT FILE

Explanation: The CTORSTM Statistics report utility could not open the input file specified in the DAREPIN DD statement. An OPEN request was issued to the input file, but was unsuccessful. A possible cause of the problem is that the DAREPIN DD statement may not have been specified in the job stream. The utility terminates with a return code of 08.
Corrective Action: Look for previous MVS error messages regarding the opening of the input file. Correct the error and rerun the job.

CTO743S INTERNAL ERROR - errorText

Explanation: The CTORSTM Statistics report utility encountered internal error errorText. The utility terminates with a return code of 08.
Corrective Action: Contact BMC Software Customer Support.

CTO744S ERROR IN OPEN OF REPORT FILE

Explanation: The CTORSTM Statistics report utility could not open the report file specified in the SYSPRINT DD statement. An OPEN request was issued to the REPORT file, but was unsuccessful. A possible cause of the problem is that the SYSPRINT DD statement may not have been specified in the job stream. The utility terminates with a return code of 08.
Corrective Action: Look for previous MVS error messages regarding the opening of the report file. Correct the error and rerun the job.

CTO745S ERROR IN OPEN OF STATISTICS FILE

Explanation: The CTORSTM Statistics report utility could not open the Statistics file. Failure to open the Statistics file may have been caused by one of the following:
The data set allocated to the DASTF DD statement was not formatted as a Control-O Statistics file.

The data set allocated to the DASTF DD statement was formatted as a Control-O Statistics file by a different version of Control-O.

The data set allocated to the DASTF DD statement belongs to a different installation of Control-O.

The utility terminates with a return code of 08.

**Corrective Action:** Look for previous MVS error messages regarding the opening of the Statistics file. Correct the error and rerun the job.

**CTO746S STATISTICS FILE DYNAMIC ALLOCATION ERROR rc/rsn/dsn**

**Explanation:** Dynamic allocation of Statistics file dsn failed with return code rc and reason code rsn.

The CTORSTM Statistics Report utility terminates with a return code of 08.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* to determine the cause of the error and correct the error accordingly. If not successful, contact BMC Software Customer Support.

**CTO747W ERROR IN CLOSE OF STATISTICS FILE**

**Explanation:** The CTORSTM Statistics file utility could not successfully close the Statistics file.

The utility terminates with a return code of 08.

**Corrective Action:** If no MVS error messages clarifying the error were issued, this is probably an internal error. In this case, please report it to BMC Software Customer Support.

**CTO750E NO ROOM AVAILABLE TO INSERT LINE HERE**

**Explanation:** There was an attempt to insert a row in a Variable database, but no row number is available at the point of insertion. Variable database rows are originally numbered by thousands. Rows added later are assigned numbers in the gaps. This message is generated if a suitable row number is not available at the location where a new row is to be inserted. See the description of the IOA Variable Database facility in the *Control-O User Guide* for an explanation of how database row numbers are assigned.

The row is not added to the Variable database.

**Corrective Action:** Renumber the existing rows in the database, as follows:

1. Unload the Variable Database Variables file by means of the CTOVARUL job in the Control-O JCL library. This job invokes the IOADUL utility.
2. Reload this file by means of the CTOVARLD job in the Control-O JCL library. This job invokes the IOADLD utility. Be sure the RENUM parameter is included.

For more information about the IOADUL and IOADLD utilities, see the *INCONTROL for z/OS Utilities Guide*.

**CTO754E NO AUTHORIZATION FOR PERFORMING THIS OPERATION**

**Explanation:** The user is unauthorized to perform the requested insert or update on the variable.

The variable is not created or updated.
Corrective Action: To be authorized to perform the attempted operation, contact your INCONTROL administrator.

CTO756E INSUFFICIENT SPACE IN THE VARIABLES FILE

Explanation: An attempt was made to create a new variable, but there is insufficient space in the Variables file. New variables cannot be defined until sufficient space is provided.

The new variable is not created.

Corrective Action: Provide more free space in the Variables file. For information about increasing the size of IOA Access Method files and about compressing the data in such files, see the INCONTROL for z/OS Administrator Guide.

CTO757E INSUFFICIENT SPACE IN THE MODELS FILE

Explanation: An attempt was made to create a new column, but there is insufficient space in the Columns file. New columns cannot be defined until sufficient space is provided.

Corrective Action: Provide more free space in the Columns file. For information about increasing the size of IOA Access Method files and about compressing the data in such files, see the INCONTROL for z/OS Administrator Guide.

CTO758E INSUFFICIENT SPACE IN THE INDEX FILE

Explanation: An attempt was made to create a new variable, but there is insufficient space in the Variables database index file. New variables cannot be defined until sufficient space is provided.

The new variable is not created.

Corrective Action: Provide more free space in the Variables database index file. For information about increasing the size of IOA Access Method files and about compressing the data in such files, see the INCONTROL for z/OS Administrator Guide.

CTO759E COLUMN ALREADY EXISTS. IT CANNOT BE CREATED

Explanation: An attempt was made to create a column, but a column with that name already exists in the database. The column cannot be created, because it already exists. It cannot be saved, because it was specified by means of command Insert.

The Exit Option Window is closed. The database Column Definition screen remains displayed.

Corrective Action: Either specify a database column name that does not currently exist in the database, or use the CANCEL command to exit without saving the database column definition.

CTO75AE UPDATE OF COLUMN DEFINITION FAILED

Explanation: An error occurred while attempting to update a column in the variable database Column Definition screen.

The variable database column definition is not updated.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.
CTO75CE OPERATION FAILED. ERROR DURING FILE ACCESS RC=rc, FUNCTION=func

**Explanation:** An internal error occurred while trying to update the columns definition of the Global Variable database.

The update is not performed.

**Corrective Action:** Call your INCONTROL administrator.

CTO780I INITIALIZATION OF OPENEDITION ENVIRONMENT STARTED

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor detected an environment which supports the MVS OpenEdition interface with Control-O and began initializing the OpenEdition environment.

**Corrective Action:** No action is required.

CTO781I OPENEDITION INTERFACE MODULE SUCCESSFULLY LOADED

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor loaded the OpenEdition interface module into storage. This message is issued only for the first Control-O or CMEM monitor in the system.

**Corrective Action:** No action is required.

CTO782I SUBSYSTEM REGISTERED WITH OPENEDITION INTERFACE

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

The current Control-O or CMEM subsystem has registered itself (meaning, recorded its name) with the OpenEdition interface in order to receive OpenEdition events from the interface.

**Corrective Action:** No action is required.

CTO783I INITIALIZATION OF OPENEDITION ENVIRONMENT ENDED SUCCESSFULLY

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

OpenEdition support for the current Control-O or CMEM monitor is successfully installed. Control-O or CMEM will trigger rules based on OpenEdition events.

**Corrective Action:** No action is required.

CTO784W OS/390 VERSION IS 2.4 OR HIGHER BUT PTF LEVEL IS TOO LOW

**Explanation:** Control-O or CMEM tried to install OpenEdition support but found an incompatible PTF level.
Control-O or CMEM support for OpenEdition events is required for OS/390 version 2.4 and later. The PTF level in MVS is too low to install the OpenEdition interface.

The following system actions occur:

1. Initialization of the OpenEdition interface fails.
2. Initialization of Control-O or the CMEM monitor continues.
3. Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set triggering based on FTP transmissions.

**Corrective Action:** Install IBM PTF for APAR OW36163, which enables Control-O or CMEM support for OpenEdition.

CTO785W UNABLE TO REGISTER WITH OPENEDITION INTERFACE: LOCK CANNOT BE OBTAINED

**Explanation:** The Control-O or CMEM subsystem could not register with the OpenEdition interface during initialization because Control-O or the CMEM monitor cannot acquire the OpenEdition interface lock, which is required for registration.

Initialization of the OpenEdition interface fails. Initialization of Control-O or the CMEM monitor continues. Control-O or the CMEM monitor will not be able to handle OpenEdition events, such as data set triggering based on FTP transmissions.

**Corrective Action:** Restart the current monitor. If the problem persists, call your INCONTROL administrator.

CTO786W LOAD OF OPENEDITION INTERFACE MODULE FAILED: LOAD TO PRIVATE FAILED

**Explanation:** During initialization of the OpenEdition interface, Control-O or CMEM could not load the OpenEdition support module because Control-O or CMEM monitor could not load the OpenEdition support module in its own private region.

The following system actions occur:

- Initialization of the OpenEdition interface fails.
- Initialization of Control-O or the CMEM monitor continues.
- Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set triggering based on FTP transmissions.

**Corrective Action:** Determine the cause of the failure using previous messages. Possible causes are:

- The Control-O or CMEM region is too small.
- The CTOAODT module is not in the Control-O CMEM STEPLIB.

CTO787E INITIALIZATION OF OPENEDITION ENVIRONMENT FAILED

**Explanation:** Control-O or CMEM tried to install the OpenEdition interface but an error occurred during initialization of the interface.

The following system actions occur:
1. Initialization of the OpenEdition interface fails.
2. Initialization of Control-O or the CMEM monitor continues.
3. Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set triggering based on FTP transmissions.

**Corrective Action:** Look for previous messages which explain the cause of the failure. Call your INCONTROL administrator.

**CTO788I SUBSYSTEM ALREADY REGISTERED WITH OPENEDITION INTERFACE**

**Explanation:** This information message indicates that Control-O or the CMEM monitor tried to register with the OpenEdition interface but found the subsystem was already registered.

A possible cause is a previous uncompleted termination of CMEM or Control-O.

Initialization of the OpenEdition interface continues.

**Corrective Action:** No action is required.

**CTO789W OPENEDITION ADDRESS SPACE HAS NOT COMPLETED INITIALIZATION**

**Explanation:** During Control-O startup, Control-O tried to activate OPENEDITION (UNIX for MVS) support. The attempt failed for one of the following reasons:

- The system is earlier than OS/390 version 2.4.
- IBM APAR OW36163 is missing.

The preconditions for using Control-O/OPENEDITION (UNIX for MVS) are:

- The system must be at OS/390 version 2.4 or later.
- IBM APAR OW36163 must be applied.

The Control-O startup process completes but does not support OPENEDITION.

**Corrective Action:** If the system is earlier than OS/390 version 2.4, ignore this message. Otherwise, apply IBM APAR OW36163.

**CTO78BW UNABLE TO REGISTER WITH OPENEDITION INTERFACE: NO PROPER ENTRY IN SSTABLE**

**Explanation:** The Control-O or CMEM subsystem could not register with the OpenEdition interface during initialization because Control-O or the CMEM monitor cannot locate its entry in the INCONTROL internal subsystems table.

The following system actions occur:
Initialization of the OpenEdition interface fails.
Initialization of Control-O or the CMEM monitor continues.
Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set
triggering based on FTP transmissions.

Corrective Action: Restart the current monitor. If the problem persists, call your INCONTROL
administrator.

CTO78CW LOAD OF OPENEDITION INTERFACE MODULE FAILED: CSA
GETMAIN FAILED

Explanation: During initialization of the OpenEdition interface, Control-O or CMEM could not load the
OpenEdition support module because Control-O or CMEM monitor could not acquire storage in the
Common Service Area (CSA) for the OpenEdition support module.

The following system actions occur:
- Initialization of the OpenEdition interface fails.
- Initialization of Control-O or the CMEM monitor continues.
- Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set
  triggering based on FTP transmissions.

Corrective Action: Make sure that the CSA has at least 8K of free storage, then restart the Control-O or
CMEM monitor.

CTO78DW LOAD OF OPENEDITION INTERFACE MODULE FAILED: LOAD TO
CSA FAILED

Explanation: During initialization of the OpenEdition interface, Control-O or CMEM could not load the
OpenEdition support module because Control-O or CMEM monitor could not load the OpenEdition support
module to the Common Service Area (CSA).

The following system actions occur:
- Initialization of the OpenEdition interface fails.
- Initialization of Control-O or the CMEM monitor continues.
- Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set
  triggering based on FTP transmissions.

Corrective Action: Use the contents of previous messages to determine the cause of the failure.

CTO790I DEACTIVATION OF OPENEDITION ENVIRONMENT STARTED

Explanation: This information message is the normal message issued during termination of Control-O or
the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor detected an active OpenEdition interface environment and started its
termination procedure.

Corrective Action: No action is required.
CTO791I SUBSYSTEM REMOVED FROM OPENEDITION INTERFACE

**Explanation:** This information message is the normal message generated during termination of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

The current Control-O or CMEM subsystem removed itself from the OpenEdition interface in order to stop receiving OpenEdition events.

**Corrective Action:** No action is required.

CTO792I OPENEDITION INTERFACE MODULE REMOVED

**Explanation:** This information message is the normal message issued during termination of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor removed the OpenEdition support module from storage. This message is displayed only during termination of the last Control-O or the CMEM monitor in the system.

**Corrective Action:** No action is required.

CTO793I DEACTIVATION OF OPENEDITION ENVIRONMENT ENDED SUCCESSFULLY

**Explanation:** This information message is the normal message issued during termination of the CMEM monitor or Control-O when using OS/390 version 2.4 or later.

The OpenEdition interface for the current Control-O or CMEM monitor has been successfully removed.

**Corrective Action:** No action is required.

CTO794W DEACTIVATION OF OPENEDITION ENVIRONMENT FAILED

**Explanation:** Control-O or CMEM tried to remove OpenEdition support but encountered an error.

An error occurred during termination of the OpenEdition interface.

Termination of Control-O or the CMEM monitor continues. Warnings may be issued the next time Control-O or CMEM is activated.

**Corrective Action:** Look for previous messages which explain the cause of the failure. Verify successful initialization the next time Control-O or CMEM is activated.

CTO795W OPENEDITION INTERFACE MODULE NOT INSTALLED

**Explanation:** Control-O or the CMEM monitor could not find the OpenEdition interface module during termination.

During termination Control-O or CMEM detected an environment which supports the OpenEdition interface but could not find the OpenEdition support module which should have been installed during initialization.

Termination of Control-O or the CMEM monitor continues. Warnings may be issued the next time Control-O or CMEM is activated.

**Corrective Action:** Look for previous messages which explain the cause of the failure. Verify successful initialization the next time Control-O or CMEM is activated.
CTO796W SUBSYSTEM NOT REMOVED FROM OPENEDITIION INTERFACE:

**Explanation:** Control-O or CMEM could not remove its subsystem name from the OpenEdition interface during termination.

If reason is SUBSYSTEM NOT FOUND, Control-O or CMEM could not find its subsystem name registered with the OpenEdition interface.

If reason is LOCK CANNOT BE OBTAINED, Control-O or the CMEM monitor could not get the OpenEdition interface lock it needs to remove its name.

Termination of Control-O or the CMEM monitor continues. Warnings may be issued the next time Control-O or CMEM is activated.

**Corrective Action:** Look for previous messages which explain the cause of the failure. Verify successful initialization the next time Control-O or CMEM is activated.

CTO797E EINVAL REFRESH SUBPARAMETERS. VALID PARAMETER is: XCF

**Explanation:** The user issued the command F Control-O, REFRESH= *parm* to refresh the Control-O communication definitions, but the value of *parm* was invalid.

The valid value of the subparameter is XCF.

Refresh of the Control-O communication definition fails.

**Corrective Action:** Correct and reenter the command.

CTO798E ERROR IN MODIFY-REFRESH PROCESSING

**Explanation:** An error was detected while attempting to refresh the XCF configuration map of Control-O, which defines the MVS image names with which Control-O can work.

Refresh of the Control-O communication definition by the REFRESH command fails.

**Corrective Action:** Examine the earlier accompanying messages in the Control-O JOBLOG or SYSLOG.

CTO7B0E SMSCLASS and SMSMSG are valid in 'ON SMS' only

**Explanation:** An attempt was made to add a DO SMSCLASS or DO SMSMSG in an SMS rule that was not ON. DO SMSCLASS or DO SMSMSG can only be used in ON SMS rules.

The statement is not accepted.

**Corrective Action:** Delete the DO SMSCLASS or DO SMSMSG statement from the rule.

CTO7B1E SMSCLASS and SMSMSG are invalid after ASKOPER, DO COMMAND+WAIT or WAIT

**Explanation:** An attempt was made to add a DO SMSCLASS or DO SMSMSG statement in an invalid location in the Control-O rule. DO SMSCLASS or DO SMSMSG can be used only in an ON SMS rule, and only before any WAIT.

The statement is not accepted.
**Corrective Action:** Delete the DO SMSCLASS or DO SMSMSG from the rule, or move it to a correct location.

CTO7B2E SHARELOC or TIMEOUT are valid if SYSTEM is not set

**Explanation:** The Control-O communication function does not support the sharing of AutoEdit variables or TIMEOUT. Therefore, neither SHARELOC nor TIMEOUT can be used in rule definition when the system field is not null.

The action is rejected.

**Corrective Action:** Correct the DO KSL or DO TSO command.

CTO7B3E SMSCLASS id is between 1 and 15 only

**Explanation:** An attempt was made to add a DO SMSCLASS with an ID value of 0 or greater than 15. To be valid, an ID value must be from 1 through 15.

The value in the ID field is not accepted.

**Corrective Action:** Insert a valid ID value in the DO SMSCLASS, from 1 through 15.

CTO7B4E SIGN OF QUANTITY MUST BE EITHER ",+", ",-", ",?" OR BLANK

**Explanation:** In a DO RESOURCE statement, an invalid sign was entered in the quantity change field.

Valid values for the quantity change subparameter are:

- (Minus) - Decreases the associated quantity by the amount specified.
- + (Plus) - Increases the associated quantity by the amount specified.
- ? (Question mark) - Check the status of the resource.
- ' ' (Blank) - Sets a new associated quantity for the resource.

**Corrective Action:** Correct the value of the quantity change subparameter by entering a valid sign.

CTO7B5E INVALID CONDITION OPTION. USE "+" (ADD), ",-" (DELETE) OR ",?" (QUERY)

**Explanation:** In a DO COND statement, an invalid sign was entered in the condition option field.

Valid values for the condition option subparameter are:

- (Minus) - Delete the prerequisite condition.
- + (Plus) - Add the prerequisite condition.
- ? (Question mark) - Check the status of the condition.

**Corrective Action:** Correct the value of the CONDOPT subparameter by entering a valid sign.

CTO7B6E Valid Priority MNEMONICS: CL, CR, IN, MA, MI, WA or 1 to 6

**Explanation:** In an ON MVALARM statement, an invalid value was entered in the PRIORITY field.

Valid values for the PRIORITY subparameter are (in increasing order of severity):
Corrective Action: Correct the value of the PRIORITY subparameter by entering a valid value.

CTO7B7E INVALID ALARM type. Valid value: Start or End

Explanation: In an ON MVALARM statement, an invalid value was entered in the TYPE field.

Valid values for the TYPE subparameter are:
- **S** - A new MAINVIEW alarm.
- **E** - The end of the MAINVIEW alarm.

Corrective Action: Correct the value of the TYPE subparameter by entering a valid value.

CTO7B8E INVALID RUNTSEC. ON RULE supports "T"-TRIGGER or BLANK

Explanation: In an ON RULE statement, an invalid value was entered in the RUNTSEC field.

Valid values for the RUNTSEC subparameter are:
- **T** (Trigger) - Runtime security checks are carried out using the user ID associated with the started task, TSO use or batch job that issued the message or command that invoked the rule.
- **' '** (Blank) - Runtime security checks are or are not performed, depending on the value set for the RUNTDFT global parameter in the CTOPARM member during the installation of Control-O. Default.

For more information, see the description of the RUNTSEC subparameter in the Control-O User Guide.

Corrective Action: Correct the value of the RUNTSEC subparameter by entering a valid value.

CTO7C1E AT LEAST ONE "DO" STATEMENT MUST BE FILLED IN

Explanation: A DO statement (action) is not complete. At least one DO statement is required in the Rule Definition. The DO statement specifies actions to be performed after Message or Event Selection criteria are fulfilled.

For DO statement requirements, see the parameter descriptions in the Control-O User Guide or the Control-M for z/OS User Guide.

Corrective Action: Complete at least one DO statement.

CTO7C3E PLEASE FILL IN THE FIELD (BLANKS ARE INVALID)

Explanation: The field was left blank, but some data are required. The field is obligatory, and it does not have a default value. An entry must be made.

Corrective Action: Enter a value in the field.
CT07C4E VALID DESCRIPTOR CODE CAN BE FROM 00 TO 16

**Explanation:** An invalid descriptor code was entered in the DESC field of the Rule Definition.

DESC is an optional parameter which specifies the message descriptor code. The DESC parameter value (if specified) must be a valid 1-2 digit descriptor code (00 - 16).

**Corrective Action:** Enter a valid descriptor code in the DESC field or leave it blank.

CT07C5E VALID ROUTE CODE CAN BE FROM 000 TO 255

**Explanation:** The ROUTE field of the Rule Definition has an invalid routing code. ROUTE is an optional parameter. The ROUTE parameter value, if specified, must be a valid 1- to 3-digit route code (000-255).

**Corrective Action:** Enter a valid routing code in the ROUTE field or leave it blank.

CT07CAE VALID COLUMN RANGE IS 001-128

**Explanation:** An invalid range was specified in the COLS subparameter in the ON statement. When specifying a string using the S option in the ON statement, the search for this string may be limited to a specific column range by entering the range in the COLS subparameter.

The format is: COLS fromcol tocol, where fromcol or tocol may be any number from 1-128, and the fromcol value may not be greater than the tocol value.

**Corrective Action:** Enter a valid range, or do not enter a search range.

CT07CBE FROM COL GREATER THAN UNTIL COL

**Explanation:** The specified fromcol range is greater than the specified tocol range in the COLS subparameter of the ON statement. When specifying a string using the S option in the ON statement, the search for this string may be limited to a specific column range by entering the range in the COLS sub-parameter.

The format is: COLS fromcol tocol, where fromcol or tocol may be any number from 1-128, and the fromcol value may not be greater than the tocol value.

**Corrective Action:** Enter a valid search range or do not enter a search range.

CT07CCE BOTH "APPEARED" AND "TIMES IN" MUST BE FILLED IN OR BLANK

**Explanation:** Only one value was provided for the APPEARED n TIMES IN m MINUTES parameter. While entries in the APPEARED n TIMES IN m MINUTES parameter are optional, values must be specified for both n and m, if this parameter is used.

Valid values are:

- n - Appeared n times. Must be a numeric value from 2 through 999.
- m - In m minutes. Must be a numeric value from 1 through 9999.

**Corrective Action:** Specify values for both n and m, or do not specify values for either.
CTO7CDE INVALID "ON". USE M, STR, CO, CT, E, JA, JE, D, STE, OM

**Explanation:** An invalid ON statement is specified in a Control-O rule. ON statements specify Message or Event criteria that must be met before Control-O triggers a rule.

For more information about ON statements, see the parameter descriptions in the *Control-O User Guide.*

The statement is ignored.

**Corrective Action:** Specify a valid ON statement.

CTO7CEE INVALID DATE (USE "DATE", "ODAT", SPECIFIC DATE OR AUTOEDIT VAR)

**Explanation:** An invalid scheduling date was entered in the DATE subparameter of the FORCEJOB parameter. The DATE subparameter specifies the scheduling date for the job or jobs.

Valid date formats are:

- **DATE** - Resolves to the current Gregorian computer date.
- **ODAT** - Resolves to the Control-M original scheduling date of the job.
- **%%%xx** - An AutoEdit symbol may be assigned by a DO SET command in the rule, or it can be a Global variable.
- **ddmm** - Day and month of scheduling date.
- **mmdd** - Month and day of scheduling date (USA format).

**Corrective Action:** Enter a valid date.

CTO7CFE PLEASE FILL IN A VALID AUTOEDIT STATEMENT

**Explanation:** There is an invalid AutoEdit statement or expression in the DO SET statement. The DO SET statement is used to specify AutoEdit variables that are resolved at runtime.

See the *Control-O User Guide* for an explanation of the AutoEdit Facility.

**Corrective Action:** Enter a valid AutoEdit statement.

CTO7D7E INVALID CAPS ON / OFF COMMAND. COMMAND IGNORED

**Explanation:** An attempt was made to use the CAPS primary command in BROWSE mode. The CAPS primary command is not valid in BROWSE mode.

The command is not performed.

**Corrective Action:** No action is required.

CTO7D8I CAPS IS ON / OFF

**Explanation:** This information indicates a change in status of CAPS mode (ON or OFF) after entry of the CAPS primary command. The CAPS mode determines whether characters can be entered only in upper case, or also in lower case.

**Corrective Action:** No action is required.
CTO7DFE INVALID ‘type’ EXPRESSION. RC=rc, REASON CODE=rsn

Explanation: The rule definition contains an invalid evaluation expression of type, where type is IF or WHILE. Probable causes are:
- invalid nesting of parentheses
- invalid AutoEdit expressions
- invalid logical operands

The rule definition is not saved.

Corrective Action: Correct the invalid expression. If necessary, check the return code and reason code in the table in message WTO283E, to determine the reason for the failure.

CTO7DGW MODE CAPS OFF IGNORED. RUNNING IN DBCS MODE

Explanation: User entered CAPS OFF command, but the user is working at a DBCS terminal.

The command is ignored because DBCS terminals do not support lower case.

Corrective Action: No action is required.

CTO7DHI FOUND LOWER CASES. FORCING CAPS OFF

Explanation: User entered a Control-O or CMEM rule and the control program found lower case characters.

CAPS OFF is forced to prevent upper casing by mistake. The user's online profile is not changed when saving and exiting the rule screen.

Corrective Action: No action is required.

CTO7F1E field1 AND field2 ARE MUTUALLY EXCLUSIVE

Explanation: The ON or DO statement combinations are not valid. When defining or updating a Control-O rule, some statement combinations cannot be used together. In this case, the setting of one statement precludes the desired setting of the other statement. Possibly, the logical check picked up statement combinations that were defined, but not rejected in a previous release.

The rule is not saved.

Corrective Action: Correct the rule so that the statement combinations are valid.

CTO7F3E Invalid AND/NOT relations between ‘ON’ statements

Explanation: The AND/OR/NOT field in the ON statement is invalid. Inappropriate definition of AND, OR, or NOT fields connecting ON statements can create logic problems, such as a rule that is never triggered. Control-O checks each rule to ensure that the combination of ON statements and AND/OR/NOT connectors is logical.

For example,
The statement ON MESSAGE X AND ON MESSAGE Y is not logical because the message cannot be both X and Y.

The statement ON JOBARRIV A AND ON JOBEND B is not logical, because the ON statements in a single rule cannot refer to two different EVENTS; these must be in separate rules.

It is possible that the logic problem was detected in a rule that was defined in a previous Control-O release.

The rule is not saved.

**Corrective Action:** Correct the ON statement and then save the rule.

CTO7F4E Invalid AND/NOT relations between 'ON' field1 field2 fields

*Explanation:* Values have been entered into two fields that are mutually exclusive, in that only one of the fields can have a value.

In this message, field1 and field2 are the identities of the two fields that are mutually exclusive.

**Corrective Action:** Enter a value for the field you require, and delete the value in the other field.

CTO7F5E DDNAME or JOBNAME must be specified

*Explanation:* A value must be set for the DDNAME and JOBNAME fields in ON SYSOUT. These fields may not be left blank or contain only the value * (Asterisk).

The rule is not saved.

**Corrective Action:** Correct the ON SYSOUT statement, and save the rule.

CTO7F6E JOBNAME=jobName not allowed in ON SYSOUT

*Explanation:* The JOBNAME fields in ON SYSOUT may not be any of the following:

- ` ' ` (Blank)
- ` * ` (Asterisk)
- JES2
- JES3
- *MASTER*
- CATALOG
- SMS

The rule is not saved.

**Corrective Action:** Correct the JOBNAME field in the ON SYSOUT statement, and then save the rule.

CTO7F7E DDNAME=ddName not allowed when JOBNAME is not specified

*Explanation:* An invalid value was found in the DDNAME parameter in the ON SYSOUT statement. The value in the DDNAME parameter in the ON SYSOUT may not be any of the following:
' ' (Blank)
* (Asterisk)
SYSUT*
SYSUDUMP
SYSMDUMP
SYSABEND
SYSTERM
INTRDR

The rule is not saved.

**Corrective Action:** Correct the value of the DDNAME parameter in the ON SYSOUT statement, and then save the rule.

CTO7F8E DO KSL/TSO/WAIT with WAIT=YES not allowed in ENDMSG block

**Explanation:** The expression WAIT=YES was defined in a DO KSL, DO TSO, or DO WAIT statement for a multi-line block that ends with an ENDMSG statement. WAIT mode actions are not allowed in multiline block processing that ended by ENDMSG.

The rule is not saved.

**Corrective Action:** Delete the expression WAIT=YES, then save the rule.

CTO7F9E DO EXIT valid only with MSG/MESSAGE or WHILE

**Explanation:** Use of DO EXIT in this situation is not valid. DO EXIT can only be used in one of the following cases:

- with MSG or MESSAGE to exit multi-line block processing that ended with ENDMSG
- with WHILE to exit WHILE block processing that ended with ENDWHILE

Rule definition cannot continue until the mistake is corrected.

**Corrective Action:** Correct the mistake, and continue defining the rule.

CTO7FAE DO EXIT invalid - missing 'ENDMSG'

**Explanation:** Exit from the Control-O rule definition failed because a DO EXIT MESSAGE statement is not followed by an ENDMSG statement to indicate the end of the multi-line message processing block. A DO EXIT MESSAGE statement is valid only in a multi-line message processing block, which must be closed by an ENDMSG statement.

The rule cannot be saved.

**Corrective Action:** Do one of the following:
Delete the DO EXIT MESSAGE command.
Add ENDMMSG at the end of the block.

CTO7FBE DO EXIT invalid - no DO WHILE block is open

Explanation: An attempt was made to add a DO EXIT W (while) statement outside of a DO WHILE block. An EXIT W (while) statement is valid only in a DO WHILE block.
The EXIT W statement is rejected.
Corrective Action: Delete the EXIT W statement.

CTO7FCE ACS CALL values are: Management, Data, Storage, All, *

Explanation: The ACS CALL field in an ON SMS statement has an invalid value.
Valid values for the ACS CALL field are:
- MANAGMNT - Management class selection routine
- DATA - Data class selection routine
- STORAGE - Storage class selection routine
- ALL - All of the above
- * (Asterisk) - All of the above (the same as ALL)
The value in the ACS CALL field is rejected.
Corrective Action: Correct the ACS CALL field in the ON SMS statement.

CTO7FDE DSORG values are: PS, SEQ, PO, PDS, VS, or DA

Explanation: The DSORG field in an ON SMS statement has an invalid value. Valid values are:
- PS or SEQ - Sequential file
- PO or PDS - Partitioned data set
- VS - VSAM file
- DA - Direct file
The value in the DSORG field is rejected.
Corrective Action: Correct the DSORG field in the ON SMS statement.

CTO7FEE DS-type values are: GDg or GDs, PERm or Temp

Explanation: The DS-TYPE field in an ON SMS statement has an invalid value. Valid values are:
- GDG or GDS - Generation data set
- PERM - Permanent data set
- TEMP - Temporary data set
The value in the DSORG field is not accepted.
Corrective Action: Correct the DS-TYPE field in the ON SMS statement.
CTO7FFE SMSMSG ID valid number is 1 to 6. BLANK is NOT allowed.

**Explanation:** The ID field in a DO SMSMSG statement contains an invalid value. The value in such a field must be from 1 through 6.

The value is not accepted.

**Corrective Action:** Specify a valid value (from 1 through 6) in the ID field of the DO SMSMSG statement.

**Messages CTO800 through CTO8xx**

This group includes messages for the Control-O product.

**CTO820I INITIALIZATION OF SMS SUPPORT STARTED**

**Explanation:** This information message indicates that Control-O started initializing SMS support.

**Corrective Action:** No action is required.

**CTO821I SMS INTERFACE MODULE SUCCESSFULLY LOADED**

**Explanation:** This information message indicates that a Control-O subsystem loaded the SMS interface module into storage.

The first Control-O subsystem to initialize itself loads the SMS interface.

**Corrective Action:** No action is required.

**CTO822I SUBSYSTEM REGISTERED WITH SMS INTERFACE**

**Explanation:** This information message indicates that the current Control-O subsystem registered itself with the SMS interface.

Control-O subsystems must be registered with the SMS interface to receive SMS events from it.

**Corrective Action:** No action is required.

**CTO823I INITIALIZATION OF SMS SUPPORT ENDED SUCCESSFULLY**

**Explanation:** This information message indicates that SMS support for the current Control-O subsystem was installed successfully.

Control-O requires SMS ACS exit routines to trigger rules based on SMS events.

**Corrective Action:** No action is required.

**CTO824W LOAD OF CAB ALLOCATOR MODULE FAILED**

**Explanation:** Control-O could not load IOACAB.

Control-O needs the IOACAB program to install the SMS interface module.

The following system actions result:
- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Check the IOA load library.

**CTO825W UNABLE TO REGISTER WITH SMS INTERFACE *rsn***

**Explanation:** Control-O could not register with the SMS interface during initialization.

The value of *rsn* may be one of the following:

- TOO MANY SUBSYSTEMS - The SMS interface had already registered the maximum number of subsystems.
- LOCK CANNOT BE OBTAINED - Control-O could not get the SMS interface lock that it needs for registration.

All of the following result:

- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Do one of the following:

- If the value of *rsn* is TOO MANY SUBSYSTEMS, shut down a different Control-O monitor and restart the current one.
- If the value of *rsn* is LOCK CANNOT BE OBTAINED, restart the current Control-O monitor.

If the problem persists, call your INCONTROL administrator.

**CTO826W LOAD OF SMS INTERFACE FAILED: *rsn***

**Explanation:** Control-O could not load the SMS interface module.

In this message, *rsn* may be one of the following:

- LOAD TO PRIVATE REGION FAILED - Control-O could not load the SMS interface module into its own private region.
- CSA GETMAIN FAILED - Control-O could not get the storage in the Common Service Area (CSA) that it needs for the SMS interface module.
- LOAD TO CSA FAILED - Control-O could not load the SMS interface module into the CSA.

The following system actions result:

- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Do one of the following:
If the value of rsn is LOAD TO PRIVATE REGION FAILED, check earlier messages to determine the cause of failure. The following are possible causes:

- The region allocated for Control-O is too small.
- The CTOACS module is not in the Control-O STEPLIB library.
- If the value of rsn is CSA GETMAIN FAILED, make sure that at least 8KB are allocated for the CSA and restart Control-O.
- If the value of rsn is LOAD TO CSA FAILED, check earlier messages to determine the cause of failure.

CTO827E INITIALIZATION OF SMS SUPPORT FAILED

**Explanation:** An initialization error occurred when Control-O tried to install the SMS interface.

The following system actions result:

- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.

CTO828I SUBSYSTEM ALREADY REGISTERED WITH SMS INTERFACE

**Explanation:** This information message indicates that the current Control-O subsystem did not register with the SMS interface because it was already registered.

This may be because a previous Control-O subsystem did not end correctly.

SMS interface initialization continues.

**Corrective Action:** No action is required.

CTO829E ALLOCATION OF CVT CUSTOMER ANCHORED BLOCK FAILED

**Explanation:** Control-O could not allocate a block of storage anchored to the z/OS communication vector table (CVT).

Even though the block of storage has not yet been allocated, Control-O could not allocate it.

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.
CTO82AW LOAD OF SMS INTERFACE MODULE FAILED: CSA GETMAIN FAILED

**Explanation:** During the Control-O monitor initialization, Control-O failed to GETMAIN the storage in E/CSA, which is required for the CTOACS module, and as a result the Control-O/DFSMS interface is disabled.

**Corrective Action:** Contact your systems programmer for assistance. Control-O requires about 1024 bytes. If the problem is not resolved, call BMC Software Customer Support for assistance and provide the step name indicated in the message.

CTO82BW LOAD OF SMS INTERFACE MODULE FAILED: LOAD TO CSA FAILED

**Explanation:** During the Control-O monitor initialization, Control-O failed to load the CTOACS module into E/CSA, and as a result the Control-O/DFSMS interface is disabled.

**Corrective Action:** Contact your systems programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

CTO82CW UNABLE TO REGISTER WITH SMS INTERFACE: NO PROPER ENTRY IN SSTABLE

**Explanation:** This warning message indicates that Control-O detected an internal problem. The Control-O/DFSMS interface is disabled.

**Corrective Action:** Contact BMC Software Customer Support.

CTO830I DEACTIVATION OF SMS SUPPORT STARTED

**Explanation:** This information message indicates that Control-O started deactivating an SMS interface.

**Corrective Action:** No action is required.

CTO831I SUBSYSTEM REGISTRATION REMOVED FROM SMS INTERFACE

**Explanation:** This information message indicates that Control-O removed its registration from the SMS interface.

When a Control-O subsystem is not registered with the SMS interface, it cannot receive SMS events from the SMS interface.

**Corrective Action:** No action is required.

CTO832I SMS INTERFACE MODULE REMOVED

**Explanation:** This information message indicates that Control-O removed the SMS interface module from storage.

The last Control-O subsystem removed unloads the SMS interface module.

**Corrective Action:** No action is required.
CTO833I DEACTIVATION OF SMS SUPPORT ENDED SUCCESSFULLY

Explanation: This information message indicates that SMS support for the current Control-O subsystem was removed successfully.

Corrective Action: No action is required.

CTO834W DEACTIVATION OF SMS SUPPORT FAILED

Explanation: An error occurred when Control-O tried to remove the SMS interface module.

The following system actions result:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

Corrective Action: Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

CTO835W SMS INTERFACE MODULE NOT INSTALLED

Explanation: Control-O could not find the SMS interface module to delete it.

Control-O detected an environment that supports the SMS interface. However, it could not find the SMS interface module that should have been installed during initialization.

The following system actions result:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

Corrective Action: Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

CTO836W SUBSYSTEM NOT REMOVED FROM SMS INTERFACE: LOCK CANNOT BE OBTAINED

Explanation: Control-O could not remove its subsystem name from the SMS interface because Control-O could not get the SMS interface lock that it needs to remove its registration.

The following system actions occur:
- Control-O termination continues.
- The next attempt to activate Control-O might produce warnings.

Corrective Action: Do both of the following:
• Check earlier messages to determine the cause of the error.
• Check that the next Control-O initialization succeeds.

CTO837W SUBSYSTEM NOT REMOVED FROM SMS INTERFACE: SUBSYSTEM NOT FOUND

Explanation: Control-O could not remove its subsystem name from the SMS interface because the name of the current Control-O subsystem is not registered in the SMS interface.

The following system actions occur:
• Control-O termination continues.
• The next attempt to activate Control-O might produce warnings.

Corrective Action: Do both of the following:
• Check earlier messages to determine the cause of the error.
• Check that the next Control-O initialization succeeds.

CTO83AI INITIALIZATION OF AUTOOPERATOR SUPPORT STARTED

Explanation: This information message indicates that Control-O started initializing AutoOPERATOR support.

Corrective Action: No action is required.

CTO83BW UNABLE TO REGISTER WITH AUTOOPERATOR INTERFACE: LOCK CANNOT BE OBTAINED

Explanation: Control-O could not register with the AutoOPERATOR interface during initialization because Control-O could not obtain the AutoOPERATOR interface lock that it needs for registration.

The following system actions occur:
• AUTOOPERATOR interface initialization fails.
• Control-O initialization continues.
• Control-O does not handle AutoOPERATOR events.

Corrective Action: Restart the current Control-O monitor. If the problem persists, call your INCONTROL administrator.

CTO83CI AUTOOPERATOR INTERFACE MODULE SUCCESSFULLY LOADED

Explanation: This information message indicates that Control-O successfully loaded the AutoOPERATOR interface module.

Corrective Action: No action is required.
CTO83DW UNABLE TO REGISTER WITH AUTOOPERATOR INTERFACE: NO PROPER ENTRY IN SSTABLE

Explanation: Control-O could not register with the AutoOPERATOR interface during initialization because Control-O could not locate its entry in the INCONTROL internal subsystems table.

The following system actions occur:
- AutoOPERATOR interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

Corrective Action: Restart the current Control-O monitor. If the problem persists, call your INCONTROL administrator.

CTO83EI SUBSYSTEM REGISTERED WITH AUTOOPERATOR INTERFACE

Explanation: This information message indicates that the current Control-O subsystem registered itself with the AutoOPERATOR interface.

Corrective Action: No action is required.

CTO83FI INITIALIZATION OF AUTOOPERATOR SUPPORT ENDED SUCCESSFULLY

Explanation: This information message indicates that Control-O initialization of the AutoOPERATOR support ended successfully.

Corrective Action: No action is required.

CTO83GE INITIALIZATION OF AUTOOPERATOR SUPPORT FAILED

Explanation: An initialization error occurred when Control-O tried to initialize the AutoOPERATOR interface.

The following system actions occur:
- AutoOPERATOR interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

Corrective Action: Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.

CTO83HW LOAD OF AUTOOPERATOR INTERFACE MODULE FAILED: LOAD TO PRIVATE FAILED

Explanation: Control-O could not load the AutoOPERATOR interface module because it could not load the module into its own private region.

The following system actions occur:
AutoOPERATOR interface initialization fails.
Control-O initialization continues.
Control-O does not handle AutoOPERATOR events.

Corrective Action: Check earlier messages to determine the cause of failure. The following are possible causes:
- The region allocated for Control-O is too small.
- The CTOAAO module is not in the Control-O STEPLIB library.

CTO83IW LOAD OF AUTOOPERATOR INTERFACE MODULE FAILED: CSA GETMAIN FAILED

Explanation: Control-O could not load the AutoOPERATOR interface module because it could not get the storage in the Common Service Area (CSA) that it needs for the AutoOPERATOR interface module.
The following system actions occur:
- AutoOPERATOR interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

Corrective Action: Check earlier messages to determine the cause of failure.

CTO83JW LOAD OF AUTOOPERATOR INTERFACE MODULE FAILED: LOAD TO CSA FAILED

Explanation: Control-O could not load the AutoOPERATOR interface module because it could not load the AutoOPERATOR interface module to the Common Service Area (CSA).
The following system actions occur:
- AutoOPERATOR interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

Corrective Action: Check earlier messages to determine the cause of failure.

CTO83KI DEACTIVATION OF AUTOOPERATOR SUPPORT STARTED

Explanation: This information message indicates that Control-O started deactivating the AutoOPERATOR interface.

Corrective Action: No action is required.

CTO83LW AUTOOPERATOR INTERFACE MODULE NOT INSTALLED

Explanation: Control-O could not find the AutoOPERATOR interface module to delete it. Control-O detected an environment that supports the AutoOPERATOR interface. However, it could not find the AutoOPERATOR interface module that is usually installed during initialization.
The following system actions occur:
Control-O termination continues.
The next attempt to activate Control-O might produce warnings.

**Corrective Action:** Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

CTO83MW SUBSYSTEM NOT REMOVED FROM AUTOOPERATOR INTERFACE: LOCK CANNOT BE OBTAINED

**Explanation:** Control-O could not remove its subsystem name from the AutoOPERATOR interface because Control-O could not get the AutoOPERATOR interface lock that it needs to remove its registration.

The following system actions occur:

- Control-O termination continues.
- The next attempt to activate Control-O might produce warnings.

**Corrective Action:** Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

CTO83NW SUBSYSTEM NOT REMOVED FROM AUTOOPERATOR INTERFACE: NO PROPER ENTRY IN SSTABLE

**Explanation:** When Control-O tried to remove the AutoOPERATOR interface module it could not find its entry in the internal INCONTROL subsystem table.

Control-O termination continues.

**Corrective Action:** Check earlier messages to determine the cause of the error.

CTO83OI SUBSYSTEM REGISTRATION REMOVED FROM AUTOOPERATOR INTERFACE

**Explanation:** This information message indicates that Control-O unregistered the AutoOPERATOR interface.

**Corrective Action:** No action is required.

CTO83PI AUTOOPERATOR INTERFACE MODULE REMOVED

**Explanation:** This information message indicates that Control-O removed the AutoOPERATOR interface module from Common Service Area (CSA).

**Corrective Action:** No action is required.
CTO83QI  DEACTIVATION OF AUTOOPERATOR SUPPORT ENDED SUCCESSFULLY

Explanation: This information message indicates that the Control-O deactivation of the AutoOPERATOR support ended successfully.

Corrective Action: No action is required.

CTO83RW  DEACTIVATION OF AUTOOPERATOR SUPPORT FAILED

Explanation: An error occurred when Control-O tried to remove the AutoOPERATOR interface module. The following system actions occur:

- Control-O termination continues.
- The next attempt to activate Control-O might produce warnings.

Corrective Action: Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

CTO840E  INITIALIZATION OF SUBSYSTEM TABLE FAILED: LOAD OF CTOSSI FAILED

Explanation: When Control-O starts, it defines the IOA and Control-O subsystems if they were not already defined. During the definition process, the Control-O interface was not successfully loaded. Control-O terminates with a return code of 8.

Corrective Action: Ensure that the Control-O STC is using the correct STEPLIB library, then restart Control-O.

CTO841I  MAINVIEW INTERFACE MODULE SUCCESSFULLY LOADED

Explanation: This information message indicates that a Control-O subsystem loaded the MAINVIEW interface module into storage.

The first Control-O subsystem to initialize itself loads the MAINVIEW interface.

Corrective Action: No action is required.

CTO842I  SUBSYSTEM REGISTERED WITH MAINVIEW INTERFACE

Explanation: This information message indicates that the current Control-O subsystem registered itself with the MAINVIEW interface.

Control-O subsystems must be registered with the MAINVIEW interface to receive MAINVIEW events from it.

Corrective Action: No action is required.
CTO843I INITIALIZATION OF MAINVIEW SUPPORT ENDED SUCCESSFULLY

**Explanation:** This information message indicates that MAINVIEW support for the current Control-O subsystem was installed successfully.

Control-O requires MAINVIEW exit routines to trigger rules based on MAINVIEW events.

**Corrective Action:** No action is required.

CTO844W LOAD OF CAB ALLOCATOR MODULE FAILED

**Explanation:** Control-O could not load IOACAB.

Control-O needs the IOACAB program to install the MAINVIEW interface module.

The following system actions result:
- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Check the IOA load library.

CTO845W UNABLE TO REGISTER WITH MAINVIEW INTERFACE: LOCK CANNOT BE OBTAINED

**Explanation:** Control-O could not register with the MAINVIEW interface during initialization because Control-O could not get the MAINVIEW interface lock that it needs for registration.

The following system actions occur:
- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Restart the current Control-O monitor. If the problem persists, call your INCONTROL administrator.

CTO846W LOAD OF MAINVIEW INTERFACE FAILED: LOAD TO PRIVATE FAILED

**Explanation:** Control-O could not load the MAINVIEW interface module because Control-O could not load the MAINVIEW interface module into its own private region.

The following system actions occur:
- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Check earlier messages to determine the cause of failure. The following are possible causes:
The region allocated for Control-O is too small.

The CTOACS module is not in the Control-O STEPLLIB library.

CTO847E INITIALIZATION OF MAINVIEW SUPPORT FAILED
Explanation: An initialization error occurred when Control-O tried to install the MAINVIEW interface.

The following system actions result:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

Corrective Action: Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.

CTO848I SUBSYSTEM ALREADY REGISTERED WITH MAINVIEW INTERFACE
Explanation: This information message indicates that the current Control-O subsystem did not register with the MAINVIEW interface because it was already registered.

A possible cause is that a previous Control-O subsystem did not end correctly.

MAINVIEW interface initialization continues.

Corrective Action: No action is required.

CTO84AI INITIALIZATION OF MAINVIEW SUPPORT STARTED
Explanation: This information message indicates that Control-O started initializing MAINVIEW support.

Corrective Action: No action is required.

CTO84BI DEACTIVATION OF MAINVIEW SUPPORT STARTED
Explanation: This information message indicates that Control-O started deactivating an MAINVIEW interface.

Corrective Action: No action is required.

CTO84CI SUBSYSTEM REGISTRATION REMOVED FROM MAINVIEW INTERFACE
Explanation: This information message indicates that Control-O removed its registration from the MAINVIEW interface.

When a Control-O subsystem is not registered with the MAINVIEW interface, it cannot receive MAINVIEW events from the MAINVIEW interface.

Corrective Action: No action is required.
CTO84DI  MAINVIEW INTERFACE MODULE REMOVED

**Explanation:** This information message indicates that Control-O removed the MAINVIEW interface module from storage.

The last Control-O subsystem removed unloads the MAINVIEW interface module.

**Corrective Action:** No action is required.

CTO84EI  DEACTIVATION OF MAINVIEW SUPPORT ENDED SUCCESSFULLY

**Explanation:** This information message indicates that MAINVIEW support for the current Control-O subsystem was removed successfully.

**Corrective Action:** No action is required.

CTO84FW  DEACTIVATION OF MAINVIEW SUPPORT FAILED

**Explanation:** An error occurred when Control-O tried to remove the MAINVIEW interface module.

The following system actions result:

- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

**Corrective Action:** Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

CTO84GW  MAINVIEW INTERFACE MODULE NOT INSTALLED

**Explanation:** Control-O could not find the MAINVIEW interface module to delete it.

Control-O detected an environment that supports the MAINVIEW interface. However, it could not find the MAINVIEW interface module that should have been installed during initialization.

The following system actions result:

- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

**Corrective Action:** Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

CTO84HW  SUBSYSTEM NOT REMOVED FROM MAINVIEW INTERFACE: rsn

**Explanation:** Control-O could not remove its subsystem name from the MAINVIEW interface.

Possible values of rsn are:
- **SUBSYSTEM NOT FOUND** - The name of the current Control-O subsystem is not registered in the MAINVIEW interface.
- **LOCK CANNOT BE OBTAINED** - Control-O could not get the MAINVIEW interface lock that it needs to remove its registration.

The following system actions result:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

**Corrective Action:** Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

**CTO84IE INITIALIZATION OF SUBSYSTEM TABLE FAILED: CSA GETMAIN FAILED**

**Explanation:** When Control-O starts, it defines the IOA and Control-O subsystems if they were not already defined. During the definition process, the Control-O failed to GETMAIN in CSA.

Control-O terminates with a return code of 8.

**Corrective Action:** Ensure that Control-O has sufficient storage. Control-O requires about 50K in CSA. It might be necessary to restart the system.

**CTO84JE INITIALIZATION OF SUBSYSTEM TABLE FAILED: LOCK CANNOT BE OBTAINED**

**Explanation:** When Control-O starts, it defines the IOA and Control-O subsystems if they were not already defined. During the definition process, the Control-O failed to obtain LOCK.

Control-O terminates with a return code of 8.

**Corrective Action:** The error might be a Control-O internal error. Try to start Control-O again. If the same error occurs, contact BMC Software Customer Support.

**CTO84KE INITIALIZATION OF SUBSYSTEM TABLE FAILED: TOO MANY SUBSYSTEMS**

**Explanation:** When Control-O starts, it defines the IOA and Control-O subsystems, if they were not defined previously. During the definition process, the Control-O failed to define the subsystem, because the number of Control-O and Control-M Event Manager (CMEM) environments defined on the LPAR exceeded the maximum of 20.

Control-O terminates with a return code of 8.

**Corrective Action:** Stop all active Control-O and CMEM monitors, run the IOACABPR (Emergency CAB Control Block Disconnect) utility, and then restart the Control-O and CMEM monitors.
CTO84LW UNABLE TO REGISTER WITH MAINVIEW INTERFACE: NO PROPER ENTRY IN SSTABLE

**Explanation:** Control-O could not register with the MAINVIEW interface during initialization because Control-O could not locate its entry in the INCONTROL internal subsystems table.

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Restart the current Control-O monitor. If the problem persists, call your INCONTROL administrator.

CTO84MW LOAD OF MAINVIEW INTERFACE FAILED: CSA GETMAIN FAILED

**Explanation:** Control-O could not load the MAINVIEW interface module because Control-O could not get the storage in the Common Service Area (CSA) that it needs for the MAINVIEW interface module.

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Make sure that at least 8KB are allocated for the CSA and restart Control-O.

CTO84NW LOAD OF MAINVIEW INTERFACE FAILED: LOAD TO CSA FAILED

**Explanation:** Control-O could not load the MAINVIEW interface module because Control-O could not load the MAINVIEW interface module into the Common Service Area (CSA).

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Check earlier messages to determine the cause of failure.

CTO84OW SUBSYSTEM NOT REMOVED FROM MAINVIEW INTERFACE: NO PROPER ENTRY IN SSTABLE

**Explanation:** When Control-O tried to remove the MAINVIEW interface module it could not find its entry in the internal INCONTROL subsystem table.

Control-O termination continues.

**Corrective Action:** Check earlier messages to determine the cause of failure.
CT08A0I Control-O IS NOT ACTIVE. NO RULES LOADED

Explanation: This information message indicates that the Rule Status screen is empty because the Control-O subsystem is not active. When the Control-O subsystem in inactive, no rules are loaded. No records are shown.

Corrective Action: Check why the subsystem is inactive.

CT08A1E SUBSYSTEM FAILURE - REASON rsn

Explanation: An error in the subsystem was found while trying to access the subsystem tables. The value of rsn indicates what happened.

Possible values of rsn are:

- 08 - Subsystem name incorrectly defined
- 16 - GETMAIN failed
- 24 - Load of executor failed
- 28 - Invalid parms

The program is terminated.

Corrective Action: Notify your INCONTROL administrator.

CT08A2I STATUS SCREEN REBUILT DUE TO RELOADING OF RULES

Explanation: This information message indicates that, after pressing a key that returns control to the program (PFKey, Enter, and the like.), the list of rules was rebuilt according to the information currently residing in the subsystem data lists.

After control returns to the Rule Status screen program (CTOTARF), the program checks to see if it is necessary to rebuild the Active Rule List. If rules have been ordered since the last time control was returned, the rule table is reloaded, and the screen is rebuilt according to the new information.

The Rule Status screen is rebuilt.

Corrective Action: No action is required.

CT08A3E "TO" VALUE MUST BE EQUAL/GREATER THAN "FROM" VALUE, OR BLANK

Explanation: A FROM value larger than a TO value was specified. In the Show Window, you can specify ranges of values for filtering the displayed Active Rule List. The TO value must be larger than the FROM value, or either or both values must be blank. A blank in the FROM field indicates the minimum valid for that field. A blank in the TO field indicates the maximum for that field.

The Show Window is not exited until a valid range is defined.

Corrective Action: Specify a valid range in the TO and FROM fields.

CT08A4E MAXIMUM VALUE OF COUNTER EXCEEDED

Explanation: An ACTIVATION# range greater than, or equal to, 231 was entered in the Show Window. The maximum value allowed for this counter is 1 less than 231.
The Show Window is not exited until a valid range is entered.

**Corrective Action:** Set the ACTIVATION# range to a value less than 231.

CTO8A5I NO INFORMATION AVAILABLE

**Explanation:** This information message indicates that an option was specified for a rule which no longer exists in the Active Rule List. An option was requested for a rule appearing in the screen, but the rule was deleted, or the rule table was reloaded, before the request was processed.

The option is not performed.

**Corrective Action:** Reorder the rule if necessary.

CTO8ABE CANNOT PERFORM "HOLD" OPTION WHEN RULE IS EXECUTING

**Explanation:** A HOLD request was specified for a rule with status EXECUTING. A rule with status EXECUTING cannot be HELD. This status indicates that the rule is executing, and waiting for the completion of an event that is external to Control-O, such as, a TSO or KSL statement in Wait mode, or a DO COMMAND statement in Command-Response mode.

The option is not performed.

**Corrective Action:** Wait until the rule no longer has a status of EXECUTING before specifying the HOLD request.

CTO8ACI RULE ruleName TABLE tableName LIBRARY lib action

**Explanation:** This information message indicates that the action specified in the message has been performed on rule ruleName which is found in table tableName of library lib.

**Corrective Action:** No action is required.

CTO8ADI RULE ruleName TABLE tableName action

**Explanation:** This information message indicates that the action specified in the message was performed on rule ruleName, which is found in table tableName. A longer message (CTO8ACI) is written to the IOA Log. Message CTO8ACI also contains the Rule library name.

**Corrective Action:** No action is required.

CTO8AEE RULE NOT SUSPENDED. 'RESUME' REQUEST IGNORED

**Explanation:** The line command R (RESUME) was entered in the Rule Status screen for a rule that is not in SUSPEND mode. This is invalid because only a suspended rule can be resumed. A rule becomes suspended when its threshold is reached.

The RESUME request is not performed.

**Corrective Action:** No action is required.

CTO8AFE "CANCEL" OPTION SUPPORTED ONLY WHEN RULE IS EXECUTING

**Explanation:** The user attempted to cancel a rule whose present status is not EXECUTING. CANCEL is supported only for rules in status EXECUTING.
The line command is ignored.

**Corrective Action:** No action is required.

**CTO8B9E MONITOR REQUEST BUFFER IS FULL, TRY AGAIN LATER**

**Explanation:** An S (Show), X (Exclude) or R (Reset) line command was specified, but cannot be executed because the Control-O monitor request buffer is full. Line commands are stored in the Control-O monitor request buffer.

The line command is not executed.

**Corrective Action:** Reattempt the line command after a few seconds. If Control-O is not active, start the Control-O monitor so that it may process the previous requests.

**CTO8BAE LEFT AND RIGHT ARE INACTIVE WHEN WRAP IS ON**

**Explanation:** While viewing the Control-O Message Statistics screen in wrap mode, the LEFT (PF10 or PF22) or RIGHT (PF11 or PF23) commands were issued. The LEFT and RIGHT commands are not supported when the text is wrapped, because all the information is already displayed.

The display remains unchanged.

**Corrective Action:** No action is required.

**CTO8BBE STATISTICS FILE IN USE, TRY AGAIN LATER**

**Explanation:** The Control-O Message Statistics screen cannot currently be viewed or refreshed because the Statistics file is in use. Possible causes are:

- The indices of the Statistics file are currently being updated by the Control-O monitor.
- The Statistics file is currently being reformatted.

**Corrective Action:** Try again later.

**CTO8BCE ERROR READING RECORD 0, UPDATE NOT PERFORMED**

**Explanation:** The Control-O Statistics file cannot be updated due to an internal error.

The Statistics file is not updated.

**Corrective Action:** Contact BMC Software Customer Support.

**CTO8BDE ERROR WRITING RECORD 0, UPDATE NOT PERFORMED**

**Explanation:** The Control-O Statistics file cannot be updated due to an internal error.

The Statistics file is not updated.

**Corrective Action:** Contact BMC Software Customer Support.

**CTO8BES ERROR OPENING STATISTICS FILE**

**Explanation:** An error occurred while attempting to allocate or open the Control-O Statistics file. Possible causes are:
- An incorrect prefix was defined for the Control-O Statistics file in CTOPARM (the STTPREF parameter).
- The Statistics file was deleted, or has an incorrect format
- No Statistics file was defined or formatted for this CPU.

The Message Statistics screen is not displayed.

**Corrective Action:** Do one of the following:

- Define the prefix correctly in CTOPARM. For details, see the section on operational parameters in the Control-M chapter of the *INCONTROL for z/OS Installation Guide.*
- Allocate and format a Control-O Statistics file for the CPU. For details, see the section that describes how to allocate and format a Control-O statistics files in the Control-O chapter of the *INCONTROL for z/OS Installation Guide.*

Contact BMC Software Customer Support.

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**CTO8BFW RULES BEING LOADED, HIT ENTER TO UPDATE SCREEN**

**Explanation:** This warning message indicates that, after pressing a key that returns control to the program, such as PFKey or ENTER, the list of rules is rebuilt, and therefore the screen must be refreshed to update the list.

**Corrective Action:** Press ENTER to update the screen. When the update is completed, the CTO8A2I message is displayed. It is advisable to press PF3 and re-enter 'OS' to display the updated rule list from the beginning.

---

**CTO8C0E CTMMEM ERROR WHILE READING MEMBER memName, RC=rc**

**Explanation:** The Automation Options main program failed while trying to access the `memName` menu definition member in the IOA PARMCMD library.

The requested menu is not displayed.

**Corrective Action:** Check the return code in the following list to determine the reason for the failure. Correct the problem and try again to activate the Automation Options facility.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Insufficient memory to continue; region is too small, or member is too large.</td>
</tr>
<tr>
<td>12</td>
<td>The member was not found in the library.</td>
</tr>
<tr>
<td>16</td>
<td>The specified data set is not a library.</td>
</tr>
<tr>
<td>20</td>
<td>The specified data set is not in fixed format.</td>
</tr>
<tr>
<td>24</td>
<td>The logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td>The specified data set is in use.</td>
</tr>
<tr>
<td>32</td>
<td>Internal error - the type is in the abend code field.</td>
</tr>
<tr>
<td></td>
<td>Message Description</td>
</tr>
<tr>
<td>---</td>
<td>---------------------</td>
</tr>
<tr>
<td>36</td>
<td>The specified data set was not found in the catalog.</td>
</tr>
<tr>
<td>40</td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>44</td>
<td>Invalid request to CTMMEM.</td>
</tr>
<tr>
<td>48</td>
<td>Maximum lines or directory entries exceeded.</td>
</tr>
<tr>
<td>52</td>
<td>Error when opening or processing directory.</td>
</tr>
<tr>
<td>56</td>
<td>STAE intercepted an abend.</td>
</tr>
<tr>
<td>68</td>
<td>Format parameter is inappropriate for the library.</td>
</tr>
</tbody>
</table>

**CTO8C1E GETMAIN ERROR WHILE READING MEMBER memName, RC=rc**

**Explanation:** The Automation Options Program (AOP) failed to obtain storage. The Automation Options main program failed to obtain main storage while processing the memName menu definition member in the IOA PARMCMD library.

The requested menu is not displayed.

**Corrective Action:** If other options in the IOA Online Facility were active when this message was displayed, exit these options and try again. If the problem persists, increase the region size.

**CTO8C2E INVALID CARD NUMBER stmtNum**

**Explanation:** The Automation Options Program (AOP) detected an invalid menu statement. The stmtNum menu statement in the menu definition member for the requested menu does not follow AOP rules for syntax and order.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the INCONTROL for z/OS Administrator Guide.

**CTO8C3E EXCESSIVE CONTINUATION IN CARD NUMBER stmtNum**

**Explanation:** The Automation Options Program (AOP) detected an excessive number of continuation statements. The menu statement number stmtNum surpassed the allowed number of continuation statements.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the INCONTROL for z/OS Administrator Guide.

**CTO8C4E OPTION IN CARD NUMBER stmtNum IS DUPLICATE**

**Explanation:** The Automation Options Program (AOP) detected a duplicate option name in the menu definition. No two options in an AOP menu can share the same name.
The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member.

**CTO8C5E "DESC" IS MISSING, DUPLICATE OR OUT OF SEQUENCE**

**Explanation:** The Automation Options Program (AOP) detected an invalid DESC statement. A DESC (Description) statement must be specified immediately after each option statement. This message indicates that a DESC statement is either missing, or does not conform to AOP menu definition syntax.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the *INCONTROL for z/OS Administrator Guide*.

**CTO8C6E "LINECMD" IS MISSING, DUPLICATE OR OUT OF SEQUENCE**

**Explanation:** The Automation Options Program (AOP) detected an invalid or missing LINECMD statement. The LINECMD statement does not follow AOP rules.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the *INCONTROL for z/OS Administrator Guide*.

**CTO8C7E "PROGRAM" IS MISSING, DUPLICATE OR OUT OF SEQUENCE**

**Explanation:** The Automation Options Program (AOP) detected an invalid or missing PROGRAM statement. The PROGRAM statement specifies the program to be invoked when an option is selected. The program for the requested option does not follow AOP rules.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the *INCONTROL for z/OS Administrator Guide*.

**CTO8C8E TOO MANY "PROMPT" CARDS, OR "PROMPT" CARDS OUT OF SEQUENCE**

**Explanation:** The Automation Options Program (AOP) detected too many PROMPT statements, or PROMPT statements coded out of order. Not more than 14 PARM statements in a row can be specified.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the *INCONTROL for z/OS Administrator Guide*.

**CTO8C9E "RETURNS" IS DUPLICATE, OR OUT OF SEQUENCE**

**Explanation:** The Automation Options Program (AOP) detected an invalid RETURNS statement. Either the RETURNS statement is listed twice in the menu definition or the RETURNS statement is not in the position dictated by AOP rules.
The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the *INCONTROL for z/OS Administrator Guide*.

**CTO8CAE "FORMAT" IS DUPLICATE, OR OUT OF SEQUENCE**

**Explanation:** The Automation Options Program (AOP) detected invalid FORMAT statement. Either the FORMAT statement is listed twice in the menu definition or the FORMAT statement is not in the position dictated by AOP rules.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the *INCONTROL for z/OS Administrator Guide*.

**CTO8CBE "OPTLIST" IS DUPLICATE, OR OUT OF SEQUENCE**

**Explanation:** The Automation Options Program (AOP) detected invalid OPTLIST statement. Either the OPTLIST statement is listed twice in the menu definition or the OPTLIST statement is not in the position dictated by AOP rules.

The menu is not displayed.

**Corrective Action:** Correct the error in the menu definition member. For more information on correct syntax for menu member definition, see the description of customization of automation options in the *INCONTROL for z/OS Administrator Guide*.

**CTO8CCE INVALID ACTION FOR OPTION**

**Explanation:** The program called by the specified Automation Option was invoked with an invalid action. If the option is supported by a user-written Client Program, that program is probably in error. Otherwise, this is an internal error.

Valid actions are:

- GETLINES
- ACTCMD
- END

The requested option is not performed.

**Corrective Action:** If the problem is in a user-written Client Program, correct the program. Otherwise, contact BMC Software Customer Support.

**CTO8CDE INVALID LDB IN PROGRAM pgm**

**Explanation:** The pgm Automation Options Program was passed an invalid LDB control block. If the pgm program is a user-written Client Program, it is probably in error. Otherwise, this is an internal error.

The selected option is not performed.

**Corrective Action:** If the problem is in a user-written Client Program, then correct the program. Otherwise, contact BMC Software Customer Support.
CTO8CEE INVALID OPTION

**Explanation:** The requested option was not defined as a valid LINECMD (line command) in the menu definition member.

The invalid line command is ignored.

**Corrective Action:** Specify a valid line command.

CTO8CFE GETMAIN ERROR IN PROGRAM pgm

**Explanation:** The pgm Automation Option program failed to obtain main storage to process its request. A return code is returned by GETMAIN.

The pgm program is terminated.

**Corrective Action:** Increase the region size.

CTO8D0E PROGRAM pgm NOT FOUND

**Explanation:** The pgm Client Program could not be found. The program specified in the menu definition for this option could not be located by means of STEPLIB or DALOAD.

The pgm program is not invoked. The main menu remains displayed on the screen.

**Corrective Action:** Correct the error and restart the action.

CTO8D1E ERROR rc IN OPTION

**Explanation:** The Client Program ended with an error. The return code of the Client Program (rc) is included in this message.

**Corrective Action:** If the name of the failed program begins with CTO or IOA, contact BMC Software Customer Support. If not, contact your system programmer.

CTO8D2E PROGRAM pgm MUST RUN UNDER ISPF

**Explanation:** Client Program pgm can only run under ISPF. A selection was made to a program that must run under ISPF. ISPFENV was specified. However, the call was not made under ISPF.

The pgm program is not invoked.

**Corrective Action:** Correct the error, and restart the action.

CTO8D3E TSO CMD ERROR, R15=val, RET-CODE=rc, RS-CODE=rsn, AB-CODE=abCode

**Explanation:** A TSO-command Client Program ended with an error. TSOC丕 was specified.

The variables in this message are:
Corrective Action: For information regarding the error, refer to TSO manuals, and take appropriate corrective action.

CTO8D5E LOAD OF EXIT(S) exitNames FAILED. SECURITY CHECK BYPASSED

Explanation: The security exits specified in this message could not be loaded. These security exits were not found in the STEPLIB DD statement.

No security checks are performed.

Corrective Action: Check why security exits are not found in the STEPLIB DD statement.

CTO8D6E ACCESS DENIED BY SECURITY EXIT

Explanation: The selected Automation Option cannot be performed because security exit CTOSE03 detected a security violation.

The option is not performed.

Corrective Action: Check the security definitions with your IOA Security Administrator.

CTO8D7E AUTOEDIT ERROR, R15=rc, REASON- CODE=rsn

Explanation: An AutoEdit error was encountered in the PARM statement of the menu definition member for the selected option.

The option is not performed.

Corrective Action: For a description of rc and rsn, see the following table. Correct the PARM statement accordingly.

<table>
<thead>
<tr>
<th>Return Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>GETMAIN or FREEMAIN error</td>
<td></td>
</tr>
<tr>
<td>1 through 6</td>
<td>GETMAIN failure</td>
<td></td>
</tr>
<tr>
<td>7 through 10</td>
<td>FREEMAIN failure</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Variable not found</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Variable not found and RESOLVE flag is on.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>%%%$COMMSYS value length error.</td>
<td></td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>68</td>
<td>%%%$TIMEINT first argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>%%%$TIMEINT second argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>%%%$X2C argument length is greater than 4.</td>
<td></td>
</tr>
<tr>
<td>88</td>
<td>%%%$DOLIMIT first argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>89</td>
<td>%%%$RULE functions argument is out of rule stack.</td>
<td></td>
</tr>
<tr>
<td>90</td>
<td>%%%$RULE functions argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>98</td>
<td>Global variable pool not found.</td>
<td></td>
</tr>
<tr>
<td>980</td>
<td>Internal error - global pool or database not found</td>
<td></td>
</tr>
<tr>
<td>982</td>
<td>Internal error - global pool or database not found</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Syntax error or general error</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Empty SET command.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Empty IF command.</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>%%% not found in SET command.</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Separator not found after %%%.</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>‘=’ not found in SET command.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>%%%$TIMEOUT value not numeric.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>%%%$RESPMSG or %%%$TIMEOUT - invalid parentheses.</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>%%%$RESPMSG or %%%$TIMEOUT - too many values.</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>%%%$WAITKSL or %%%$TSO or %%%$CMD - invalid value (not YES/NO).</td>
<td></td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>28</td>
<td>%%%$TIMEOUT - value too large.</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>%%%$STATID value length error.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>%%%$AUTOLOG value length error.</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>%%%$AUTOSYS value length error.</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>Function arguments not separated.</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>Too few function arguments.</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%%$CTMLINE# to a non-numeric value.</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%%$CTMLINE# to a value greater than %%%$CTMLINES.</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>CTMLINE# &lt; 0 when trying to set %%%$CTMLINE# to a value less than 0.</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>%%%$SUBSTR 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>%%%$SUBSTR 3rd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>%%%$SUBSTR 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>%%%$SUBSTR 3rd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>%%%$RESOLVE argument not recognized.</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE 1st argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE 1st argument out of range.</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE is too narrow.</td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE 1st argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------</td>
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</tr>
<tr>
<td>63</td>
<td>%%$CALCDATE 2nd argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>%%$TIMEINT 1st argument is not 11 digits in length.</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>%%$TIMEINT 1st argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>%%$TIMEINT 2nd argument is not 11 digits.</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>%%$TIMEINT 2nd argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>More than one operator in one line.</td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>Less than two operands for an operator.</td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>More than two operands for an operator.</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>%%$D2X argument length is greater than 10.</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>%%$D2X argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td>%%$D2X argument number is greater than 2147483647 (2G).</td>
<td></td>
</tr>
<tr>
<td>78</td>
<td>%%$X2D argument length is greater than 8.</td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>%%$X2D argument has an invalid character.</td>
<td></td>
</tr>
<tr>
<td>81</td>
<td>First operand in arithmetic operation is not numeric.</td>
<td></td>
</tr>
<tr>
<td>82</td>
<td>Second operand in arithmetic operation is not numeric.</td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>%%$DIV 2nd operand is 0.</td>
<td></td>
</tr>
<tr>
<td>84</td>
<td>First operand is greater than 2G.</td>
<td></td>
</tr>
<tr>
<td>85</td>
<td>Second operand is greater than 2G.</td>
<td></td>
</tr>
<tr>
<td>86</td>
<td>Result of %%$PLUS case overflow.</td>
<td></td>
</tr>
<tr>
<td>87</td>
<td>Result of %%$MINUS case overflow.</td>
<td></td>
</tr>
<tr>
<td>91</td>
<td>Logical operand not numeric.</td>
<td></td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
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<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%$GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Errors reading the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Errors writing the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
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<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
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<td>Logical record length is not 80.</td>
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<td>28</td>
<td></td>
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<td>36</td>
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</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Program buffers shortage</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Not enough space in RSL buffer.</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td></td>
<td>43</td>
<td>Arguments too long (ARG buffer overflow).</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program errors</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>No last non-blank for non-blank value in SET command.</td>
</tr>
<tr>
<td></td>
<td>101</td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td></td>
<td>102</td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td></td>
<td>103</td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td></td>
<td>104</td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td></td>
<td>105</td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td></td>
<td>106</td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td></td>
<td>107</td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%%$IPLDATE for date formatting WO0816*.</td>
</tr>
<tr>
<td>36, 40, and 44</td>
<td>Global variables errors</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>04</td>
<td>Empty chain.</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>End of chain.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>PNXH header error.</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>PLBH header error.</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Pool is protected.</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td></td>
<td>33</td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td></td>
<td>34</td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td></td>
<td>98</td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td>Field not defined in database.</td>
<td></td>
</tr>
<tr>
<td>109</td>
<td>Requested row is out of range.</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>Parse errors</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Invalid type.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Place holder error.</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Position specification too long.</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Non numeric.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Position null.</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
<td></td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
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<td>-------------------</td>
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<td>--------------------------------------</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Section vector overflow.</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Variable buffer overflow.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
</tbody>
</table>

**CTO8D8E INVALID PARAMETER. ONLY SINGLE PROMPT ALLOWED**

**Explanation:** A TSOCP program was defined with multiple PROMPT statements in an Automation Options menu definition. TSOCP programs cannot be invoked with more than one prompt statement.

The option is not performed.

**Corrective Action:** Correct the menu definition for this option. Define either a single PROMPT statement, or use a PARM statement to build the single parameter for the TSOCP program.

**CTO8D9E PROG=pgm ABEND CODE=Scode/Ucode OFFSET=offset R15=val**

**Explanation:** An Automation Options Client Program abended. This message displays the abend information.

The variables in this message are:
- **pgm** - the program name
- **Scode** - the system code
- **Ucode** - the user code
- **offset** - the offset
- **r15** - the value in general register 15

The option that calls this Client Program cannot be selected.

**Corrective Action:** If the problem is in a user-written Client Program, correct the program. Otherwise, contact BMC Software Customer Support.

**CTO8DAE INVALID APF ENVIRONMENT FOR OPTION <option >**

**Explanation:** The user has no APF authorization for the selected Automation Option (where < option > is the specific option selected by the user). The LOAD library used by this option (DD name DALOAD) should be APF authorized.

The option is not performed.

**Corrective Action:** Check the APF authorization of the DALOAD library.
CTO8DBE CONTROL-O MUST BE ACTIVE FOR OPTION <option>

**Explanation:** The user selected an Automation Option (where <option> is the specific option selected by the user) requiring the Control-O monitor but the monitor is inactive. The selected Automation Option needs services provided by the Control-O monitor.

The option is not performed.

**Corrective Action:** Verify that the Control-O monitor is active before selecting this option.

CTO8DCE INVALID PARAMETER PASSED TO OPTION <option>

**Explanation:** Automation Option (where <option> is the specific option selected by the user) was invoked with invalid parameters.

The option is not performed.

**Corrective Action:** Check and correct the PARM and PROMPT parameters specified in the menu definition for this option.

CTO8DEE COSMOS WAS NOT INSTALLED - CHECK CTOPARM

**Explanation:** The user tried to enter screen OC, but COSMOS was not installed. The definition in CTOPARM is COSMOS=N

The system rejects the request.

**Corrective Action:** Record the message code and message. Contact your INCONTROL administrator to check if Control-O/COSMOS is properly installed.

CTO8E0E INTERNAL ERROR: ONLY ACTIONS "GETLINES" OR "END" ARE SUPPORTED

**Explanation:** The CTOTGES Automation Options program was invoked with an invalid action. This message indicates an internal error.

The option is not performed.

**Corrective Action:** Contact BMC Software Customer Support.

CTO8E2E INVALID TIMING PARAMETER. SPECIFY Y OR N

**Explanation:** An incorrect value was specified for the TIMING parameter in the ENQINFO option. Valid values are Y (Yes) and N (No).

The option is not performed.

**Corrective Action:** Specify a valid value for the TIMING parameter.

CTO8E6E CONTROL-O MUST BE ACTIVE FOR TIMING=Y

**Explanation:** Value Y (Yes) was specified for the TIMING parameter in the ENQINFO option when the Control-O monitor was inactive. When the ENQINFO option is specified with TIMING set to Y, it needs the services of the Control-O monitor.

The option is not performed.
Corrective Action: Verify that the Control-O monitor is active before using this option.

CTO8E9I {CONTROL-O | CTMCMEM} LOADER TASK STARTED

Explanation: In Control-O, this information message indicates that the task responsible for loading rules and Global variables has begun. In Control-M, this information message indicates that the task responsible for loading CMEM rules has begun.

Corrective Action: No action is required.

CTO8EAE CTORFR DETECTED AN INVALID CHAIN STRUCTURE

Explanation: Control-O detected invalid structure for internal control blocks. This message indicates an internal error. The Control-O monitor terminates.

Corrective Action: Contact BMC Software Customer Support.

CTO8EBI {CONTROL-O | CTMCMEM} LOADER TASK ENDED

Explanation: In Control-O, this information message indicates that the task responsible for loading rules and Global variables has terminated successfully. In Control-M, this information message indicates that the task responsible for loading CMEM rules has terminated successfully.

Corrective Action: No action is required.

CTO8ECS ERROR ATTACHING CTOCPS - GLOBAL VARIABLES COMPRESSION FEATURE INACTIVE

Explanation: The CTOCPS program, which is responsible for automatic compression of the Global AutoEdit library, could not be loaded. The Automatic Compression Facility is not activated.

Corrective Action: Check associated MVS messages for the reason and for possible corrective actions, such as wrong load library concatenation, or region too small).

CTO8EDS GLOBAL VARIABLES LIBRARY IS NOT IN EXPECTED FORMAT

Explanation: The CTOCPS program detected an error while verifying that the previous LOADGLOBAL/WRITEGLOBAL action ended successfully. When automatic compression is activated, the $$COMPST member in the Global AutoEdit library is checked to see if the previous compress ended successfully. An error was detected by the program that performs the check on the $$COMPST member. This message is preceded by messages that describe the cause of the error.

The LOADGLOBAL/WRITEGLOBAL operation that prompted the verification process is terminated.

Corrective Action: Check preceding messages for the cause of the error and possible corrective actions.
CTO8EES ERROR COMPRESSING GLOBAL VARIABLES LIBRARY

**Explanation:** Compression of the Global AutoEdit library failed.
This message is preceded by messages describing the cause of the error.
The compression process is terminated.
**Corrective Action:** Check preceding messages for the cause of the error and possible corrective actions.

CTO8EFS `cmd` COMMAND FAILED

**Explanation:** The CTORFR program detected an error while executing the `cmd` command.
This message can result from problems while loading variables or tables, or while writing variables to the Global AutoEdit library. This message is preceded by messages describing the cause of the error.
The command specified in this message is terminated.
**Corrective Action:** Check preceding messages for the cause of the error and possible corrective actions.

CTO8F1S CTOTSRV INTERNAL ERROR - `rsn`

**Explanation:** An internal error was detected when Option SERVERS was activated.
The option is not performed.
**Corrective Action:** Contact BMC Software Customer Support.

CTO8F3E SERVER `svr` IS ALREADY `status`

**Explanation:** The user tried to change the server status, by means of a line command, but the server already had the requested status.
The line command is ignored.
**Corrective Action:** No action is required.

CTO8F4E IMMEDIATE SERVER CANNOT BE STARTED

**Explanation:** The user tried to start an Immediate server by means of a line command in the Option Servers screen. An Immediate server is started by Control-O only when a DO KSL/TSO statement with IMMEDIATE Y is performed.
The line command is ignored.
**Corrective Action:** No action is required.

CTO8F5E SERVER `svr` IS NOT IN USE, CANCEL IGNORED

**Explanation:** Line command C (CANCEL) was specified for a server that is not active.
The line command is ignored.
**Corrective Action:** No action is required.

CTO8F7I SERVER `svr` `cmd` WAS REQUESTED

**Explanation:** This information message indicates that command `cmd` was specified for server `svr`. 
Control-O performs the specified command.

**Corrective Action:** No action is required.

**CTO8F8E INVALID SERVER TYPE - ONLY S,G,I ARE SUPPORTED**

**Explanation:** An invalid server type was specified in the server selection window. Valid options are S (Special), G (General), I (Immediate), and blank (All).

The Server Selection Window remains displayed.

**Corrective Action:** Specify a valid server type.

**CTO8F9W NO SERVERS MATCH THE SELECTION CRITERIA**

**Explanation:** Option SERVERS was requested with selection criteria that did not match any server presently defined to Control-O.

The Server Selection Window remains displayed.

**Corrective Action:** Change the selection criteria if necessary.

**CTO8G1W NO GLOBAL VARIABLE POOLS FOUND**

**Explanation:** The user specified a Global variable pool name or mask that did not match any of the existing Global variable pools.

The Option GLOBALS selection window is redisplayed.

**Corrective Action:** Change the selection criteria if necessary.

**CTO8G3W FUNCTION NOT SUPPORTED**

**Explanation:** The requested function that was specified online is not supported.

**Corrective Action:** Check the validity of the value specified in the option field.

**CTO8G8E INTERNAL ERROR TYPE REQUEST=’request/’nfo**

**Explanation:** Option GLOBALS encountered an internal error.

The GLOBALS display is terminated.

**Corrective Action:** Contact BMC Software Customer Support.

**CTO8GCE NO MATCHING GLOBAL VARIABLE POOL FOUND**

**Explanation:** Option GLOBALS was selected with selection criteria not matched by any Global Variable Pool.

The GLOBALS selection window remains displayed.

**Corrective Action:** Change the selection criteria if necessary.

**Messages CTO900 through CTO9xx**

This group includes messages for the Control-O product.
CTO910W PARAMETER NUMCONS IN CTOPARM FORCED TO '0', DUE TO OPERATING SYSTEM RESTRICTIONS

**Explanation:** Control-O changes the NUMCONS parameter, in the CTOPARM member, to zero in z/OS 1.8 or later.

The Control-O startup process continues.

**Corrective Action:** If the CTOPARM member is only used for Control-O in z/OS 1.8 or later, set NUMCONS=0 in the CTOPARM member.

CTO912S ERROR IN CONTROL-x INSTALLATION PARAMETERS - INVALID DAYTIME

**Explanation:** Invalid format of Control- $x$ Installation DAYTIME parameter. DAYTIME is the start time of the Control-M work day in your installation. Valid formats are +hhmm or -hhmm.

For more details see the section that describes installation parameters in the chapter for the appropriate products in the INCONTROL for z/OS Installation Guide.

The requested function terminates.

**Corrective Action:** Call your system programmer to correct the DAYTIME parameter in the CT $x$:PARM member.

CTO913S OPEN OF DDNAME "SYSPRINT" FAILED

**Explanation:** The opening of a print file failed.

Possible causes are:

- The DD statement SYSPRINT is missing.
- The data set described by DD statement SYSPRINT cannot be accessed for sequential write.

The program stops executing.

**Corrective Action:** Correct the JCL and submit again.

CTO915S ERROR IN CONTROL-O INSTALLATION PARAMETERS

**Explanation:** During the startup of the Control-O monitor, an error is encountered in the Control-O installation parameters. The nature of the error is detailed in an accompanying message or messages.

The Control-O monitor terminates.

**Corrective Action:** Contact your INCONTROL administrator.

CTO916S ERROR OCCURRED DURING CONTROL-O INITIALIZATION

**Explanation:** During the startup of the Control-O monitor, an error occurred during Control-O initialization. The nature of the error is detailed in an accompanying message or messages.

The Control-O monitor terminates.

**Corrective Action:** Contact your INCONTROL administrator.
CTO917W PARAMETER J CMDSSN SHOULD DIFFER FROM SSNAME; REPLACED WITH BLANKS

**Explanation:** During the startup of the Control-O monitor, the values of the J CMDSSN and the SSNAME parameters were found to be identical.

The J CMDSSN parameter identifies the JES2 command suppression subsystem name, and is in the CTOPARM member.

The SSNAME parameter identifies the IOA subsystem, and is in the IOAPARM parameter.

The value of the J CMDSSN parameter is replaced with blanks. Monitor startup continues.

**Corrective Action:** Contact your INCONTROL administrator.

CTO918S INSUFFICIENT MEMORY TO RUN CONTROL-O. COMPONENT: *component LENGTH= getmain_length*

**Explanation:** The Control-O component could not be initialized because the getmain in length getmain_length failed.

The specified monitor will shut down.

**Corrective Action:** Increase the REGION size of the specified monitor.

CTO919E *monitor_type name FROM VERSION version IS USING SUBSYSTEM subsys. BRING IT DOWN BEFORE STARTING THIS MONITOR*

**Explanation:** During Control-O or CMEM monitor initialization, it was discovered that the existing subsys subsystem is already activated for the version version of the monitor. The active monitor is shut down.

**Corrective Action:** Determine which monitor (the active one or the newly started) should use the subsystem and act accordingly.

CTO91CW RQC ELEMENTS NUMBER CANNOT BE CHANGED WHILE MONITOR SWITCHING. VALUE xxxx USED.

**Explanation:** The RQC# parameter in the CTOPARM member was changed, and a new Control-O/CMEM was started over a running one. The new RQC# value is not used.

*xxxx - the old RQC# from the previous Control-O execution*

**Corrective Action:** Shut down Control-O/CMEM.

After the started task ends, start a new Control-O/CMEM. Verify that the new RQC# is being used by examining the started task job log.

**Messages CTOC00 through CTOCxx**

This group includes messages for the Control-O product.
CTOC02E INTERNAL ERROR, RC=rc. TD MESSAGE INTERCEPTION STOPPED

**Explanation:** The Control-O CICS Interface cannot intercept new CICS Transient Data (TD) messages due to a Control-O CICS Interface internal error. Transient Data message interception is stopped.

**Corrective Action:** Contact BMC Software Customer Support.

CTOC04I CTO SUBSYSTEM subsys INACTIVE. TD MESSAGES NOT PROCESSED

**Explanation:** This information message indicates that the Control-O CICS Interface was activated but cannot process Transient Data (TD) messages because the Control-O monitor is not active. The Control-O CICS Interface can automate Transient Data messages only when the Control-O monitor is active. Processing of Transient Data messages is discontinued. It will be resumed when Control-O becomes active.

**Corrective Action:** Start the Control-O monitor.

CTOC05I CTO SUBSYSTEM subsys IS NOW ACTIVE. TD MESSAGES ARE PROCESSED

**Explanation:** This informative message indicates that the processing of Transient Data (TD) messages resumes because the Control-O monitor has been activated. The Control-O CICS Interface can automate Transient Data messages only when the Control-O monitor is active. Processing of Transient Data messages resumes.

**Corrective Action:** No action is required.

CTOC06E INTERNAL ABEND= (systemCode,userCode)

**Explanation:** The Control-O CICS Interface detected an internal abend, where systemCode is the system abend code, and userCode is the user abend code. This is the header message for messages CTOC07I, CTOC08I, CTOC09I, and CTOC10I which provide information about the abend.

A dump of the address space is produced on the first abend intercepted by the Control-O CICS Interface, and processing of the current Transient Data (TD) message is stopped. Subsequent Transient Data messages are processed.

**Corrective Action:** Check the dump and the related messages. If the problem is related to CICS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

CTOC07E CICS FUNCTION func RESOURCE res ERROR RESPONSE resp1 resp2.

**Explanation:** The Control-O CICS initialization interface module initialization of the IOA environment failed due to a CICS service error.
The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient 
data queues.

**Corrective Action:** Notify the CICS or INCONTROL administrator.

CTOC07I  PSW AT TIME OF ABEND=psw CTOCTDF EP=add1 CTOEXEC 
EP=add2

**Explanation:** This information message indicates that the Control-O CICS Interface detected an internal 
abend. It describes the PSW at the time of the abend, and the entry points of the related Control-O 
modules. This message follows message CTOC06E and precedes messages CTOC08I, CTOC09I, and 
CTOC10I.

A dump of the address space is produced on the first abend intercepted by the Control-O CICS Interface, 
and processing of the current Transient Data (TD) message stops. Subsequent Transient Data messages 
are processed.

**Corrective Action:** Check the dump and the related messages. If the problem is related to CICS 
customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact 
BMC Software Customer Support.

CTOC08I  REGISTERS AT TIME OF ABEND (R0 - R15):

**Explanation:** This information message indicates that the Control-O CICS Interface detected an internal 
abend. This message is a header for messages CTOC09I and CTOC10I which detail the contents of the 
registers at time of abend. This message is follows messages CTOC06E and CTOC07I.

A dump of the address space is produced on the first abend intercepted by the Control-O CICS Interface, 
and processing of the current Transient Data (TD) message stops. Subsequent Transient Data messages 
are processed.

**Corrective Action:** Check the dump and the related messages. If the problem is related to CICS 
customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact 
BMC Software Customer Support.

CTOC09I register0 register1 ... register7

**Explanation:** This information message indicates that the Control-O CICS Interface detected an internal 
abend. The header for this message is message CTOC08I. This message details the contents of registers 
0 - 7 at time of abend. It is precedes message CTOC10I, which details the contents of registers 8 - 15.)

A dump of the address space is produced on the first abend intercepted by the Control-O CICS Interface, 
and processing of the current Transient Data (TD) message stops. Subsequent Transient Data messages 
are processed.

**Corrective Action:** Check the dump and the related messages. If the problem is related to CICS 
customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact 
BMC Software Customer Support.

CTOC0AE BLDL/LOAD FAILED FOR MODULE modName

**Explanation:** The Control-O CICS interface initialization module CTOCTDT failed to load the modName 
module.
The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient data queues.

**Corrective Action:** Do the following:

1. Verify that the IOA load library is concatenated to CICS STEPLIB. If it is not, do the following, in sequence:
   - Add the IOA load library to the CICS STEPLIB.
   - Stop and restart the CICS.
2. Restart the Control-O CICS interface.

**CTOC0BE** CONTROL-O IS NOT INSTALLED. IOAPARM MUST BE SET TO CTO=Y.

**Explanation:** The Control-O CICS interface module initialization of the IOA environment failed because Control-O is not installed, that is, CTO is not set to Y.

The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient data queues.

**Corrective Action:** Notify the INCONTROL administrator.

**CTOC0CE** CTOPARM WAS NOT INITIALIZED. CHECK ERROR MESSAGES ON THE J O BLOG/SYSLOG.

**Explanation:** The Control-O CICS interface module initialization of the IOA environment failed because CTOPARM is not initialized.

The Control-O CICS interface initialization fails. No rule is triggered for messages written to CICS transient data queues.

**Corrective Action:** Notify the INCONTROL administrator.

**CTOC10I** register8 register9 ... register15

**Explanation:** This information message indicates that the Control-O CICS Interface detected an internal abend. This message follows messages CTOC08I and CTOC09I. This message details the contents of registers 8 - 15 at time of abend.

A dump of the address space is produced on the first abend intercepted by the Control-O CICS Interface, and processing of the current Transient Data (TD) message stops. Subsequent Transient Data messages are processed.

**Corrective Action:** Check the dump and the related messages. If the problem is related to CICS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**CTOC11I** CONTROL-O CICS INTERFACE INITIALIZATION COMPLETED FOR SUBSYSTEM

**Explanation:** This information message is issued upon successful completion of the Control-O CICS Interface initialization for the specified subsystem.
**Corrective Action:** No action is required.

**CTOC12E ERROR IN SEND TO CICS TERMINAL. EI BRESP=errCode**

**Explanation:** The Control-O CICS Interface could not send a message to the terminal during initialization or termination. Command EXEC CICS SEND failed with error code `errCode`.

**Corrective Action:** Check the error code. If the problem is related to CICS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**CTOC13E RELEASE MISMATCH. THIS VERSION OF PROGRAM CTOCTDT DOES NOT SUPPORT CICS RELEASE release**

**Explanation:** An installation error due to a release mismatch occurred. Possible errors:
- The wrong version of the CTOCTDT module was copied to the DFHRPL CICS library.
- A CICS release earlier than Release 1.7 is installed.
- CICS was upgraded without upgrading the Control-O CICS Interface.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Copy the version of the CTOCTDT module that corresponds to the CICS release to the DFHRPL CICS library. For details, see the instructions for installing the Control-O CICS Interface, in the Control-O chapter of the `INCONTROL for z/OS Installation Guide`.

**CTOC14E ERROR WHILE TRYING TO DETERMINE CICS LEVEL. EI BRESP=error_code**

**Explanation:** The Control-O CICS Interface could not determine the level of the CICS release. Command EXEC CICS INQUIRE SYSTEM RELEASE failed with error code `errCode`.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Check the error code, and correct accordingly. If necessary, contact BMC Software Customer Support.

**CTOC15E ERROR IN RECEIVE FROM TERMINAL. EI BRESP=error_code**

**Explanation:** The Control-O CICS Interface could not receive from the terminal during initialization or termination. Command EXEC CICS RECEIVE failed with the error code `errCode`.

The Control-O CICS Interface is not initialized or terminated.

**Corrective Action:** Check the error code. If the problem is related to CICS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**CTOC16W INIT REQUEST INVALID. INTERFACE ALREADY INITIALIZED**

**Explanation:** An initialization request was issued, but the Control-O CICS Interface is already initialized. The request is not processed.
**Corrective Action:** No action is required.

**CTOC17E "PGMIDERR" ERROR IN LOADING CTOCTDF**

**Explanation:** Load of the CTOCTDF program failed due to a program ID error. The EXEC CICS LOAD command failed. The probable cause of the error is that the CTOCTDF program is not defined in the CICS tables.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Make sure that the CTOCTDF program was defined and copied correctly to CICS. For details, see the instructions for installing the Control-O CICS Interface, in the Control-O chapter of the *INCONTROL for z/OS Installation Guide*.

**CTOC18E UNAUTHORIZED TO LOAD CTOCTDF**

**Explanation:** Load of the CTOCTDF program failed because the user is not authorized to load the program.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Perform the necessary CICS customization, or see your CICS security administrator.

**CTOC19E "PGMIDERR" ERROR IN LOADING CTOCTDP**

**Explanation:** Load of the CTOCTDP program failed due to a program ID error. The EXEC CICS LOAD command failed. The probable cause of the error is that the CTOCTDP program is not defined in the CICS tables.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Make sure that the CTOCTDP program was defined and copied correctly to CICS. For details, see the instructions for installing the Control-O CICS Interface, in the Control-O chapter of the *INCONTROL for z/OS Installation Guide*.

**CTOC20E UNAUTHORIZED TO LOAD CTOCTDP**

**Explanation:** Load of the CTOCTDP program failed because the user is unauthorized to load the program.

The Control-O CICS Interface is not initialized.

**Corrective Action:** Perform the necessary CICS customization, or see your CICS security administrator.

**CTOC21I CONTROL-O CICS INTERFACE INITIALIZATION STARTED**

**Explanation:** This informative message is issued at the start of the Control-O CICS Interface initialization.

**Corrective Action:** No action is required.

**CTOC24E ERROR IN EXTRACT EXIT FOR CTOCTDX. EIBRCODE(BYTES 1-2)=errCode**

**Explanation:** The EXEC CICS EXTRACT command failed with error code `errCode`.
The Control-O CICS Interface is not initialized.

**Corrective Action:** Check the error code and correct the problem accordingly; then try to initialize the interface again. If necessary, contact BMC Software Customer Support.

**CTOC25E INTERFACE NOT INITIALIZED. SHUT REQUEST INVALID**

**Explanation:** A SHUT request was issued, but it was invalid since the Control-O CICS Interface was not initialized.

The request is not processed.

**Corrective Action:** No action is required.

**CTOC26I CONTROL-O CICS INTERFACE SHUTDOWN STARTED FOR SUBSYSTEM**

**Explanation:** This information message is issued at start of the Control-O CICS Interface shutdown for the specified subsystem.

**Corrective Action:** No action is required.

**CTOC27I CONTROL-O CICS INTERFACE SHUTDOWN COMPLETED FOR SUBSYSTEM**

**Explanation:** This information message is issued upon completion of the Control-O CICS Interface shutdown.

**Corrective Action:** No action is required.

**CTOC29E "PGMIDERR" ERROR IN RELEASING CTOCTDF**

**Explanation:** The EXEC CICS RELEASE command failed due to a program ID error.

The Control-O CICS Interface is not shut down.

**Corrective Action:** Activate and deactivate the Control-O CICS Interface. If the problem persists, contact BMC Software Customer Support.

**CTOC30E UNAUTHORIZED TO RELEASE CTOCTDF**

**Explanation:** The EXEC CICS RELEASE command failed because the user is unauthorized to release the CTOCTDF program.

The Control-O CICS Interface is not shut down.

**Corrective Action:** Perform the necessary CICS customization so that the user authorized to release the CTOCTDF program, or contact your CICS security administrator.

**CTOC31E "PGMIDERR" ERROR IN RELEASING CTOCTDP**

**Explanation:** The EXEC CICS RELEASE command failed due to a program ID error.

The Control-O CICS Interface is not shut down.
Corrective Action: Activate and deactivate the Control-O CICS Interface. If the problem persists, contact BMC Software Customer Support.

CTOC32E UNAUTHORIZED TO RELEASE CTOCTDP

Explanation: The EXEC CICS RELEASE command failed because the user is unauthorized to release the CTOCTDP program.

The Control-O CICS Interface is not shut down.

Corrective Action: Perform the necessary CICS customization so that the user is authorized to release the CTOCTDF program, or contact your CICS security administrator.

CTOC33E UNRECOGNIZED REQUEST

Explanation: A request was not recognized. The probable cause is a syntax error in a Control-O CICS Interface command issued by the user.

The command is not processed.

Corrective Action: Re-issue the request correctly. For further information, see the instructions for installing the Control-O CICS Interface, in the Control-O chapter of the INCONTROL for z/OS Installation Guide.

CTOC35E ERROR IN ENABLING CTOCTDX FOR XTDOUT EXIT.
EIBRCODE(BYTES 1-2)=errCode

Explanation: Command EXEC CICS ENABLE failed with error code errCode.

The Control-O CICS Interface is not initialized.

Corrective Action: Check the error code and correct the problem accordingly; then try to initialize the interface again. If necessary, contact BMC Software Customer Support.

CTOC36E ERROR IN DISABLING CTOCTDX FOR XTDOUT EXIT.
EIBRCODE(BYTES 1-2)=errCode

Explanation: Command EXEC CICS DISABLE failed with the error code errCode.

The Control-O CICS Interface is not shut down.

Corrective Action: Check the error code and correct the problem accordingly; then try to initialize the interface again. If necessary, contact BMC Software Customer Support.

CTOC37I PSW AT TIME OF ABEND=psw CTOCTDX EP=add CTOEXEC EP=add2

Explanation: This information message indicates that the Control-O CICS Interface detected an internal abend. The message details the PSW at time of abend, and the entry points of the related Control-O modules.

A dump of the address space is produced on the first abend intercepted by the Control-O CICS Interface. Processing of the current Transient Data (TD) message is stopped. Subsequent Transient Data messages are processed.
Corrective Action: Check the dump and the related messages. If the problem is related to CICS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

CTOC38E INTERFACE NOT INITIALIZED. DBG REQUEST INVALID
Explanation: A DBG request was issued, but it was invalid since the Control-O CICS Interface was not initialized.
The request is not processed.
Corrective Action: No action is required.

CTOC39I DBG REQUEST ACCEPTED
Explanation: Informative message issued in response to DBG request.
Corrective Action: No action is required.

Messages CTOF00 through CTOFxx
This group includes messages for the Control-O product.

CTOF90S OPEN OF DDCARD ddName FAILED
Explanation: Open for the ddName DD statement pointing to the password member failed.
Possible causes are:
- The ddName DD statement is missing.
- The file allocated to the ddName DD statement is not a sequential file nor a member in a PDS.
Authorization to access the product is denied.
Corrective Action: Correct the JCL statement for the procedure or the allocations for the CLIST.

CTOF91S PASSWORD MEMBER TOO LARGE (DD ddName)
Explanation: Password member (or sequential data set) has too many lines.
In this message, ddName is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.
Corrective Action: Remove unnecessary lines from the member.

CTOF92S SYNTAX ERROR IN PASSWORD MEMBER (DD ddName)
Explanation: A syntax error was found in the password member. When this message is issued by the monitor, it is generally followed by message CTOF9DS, which describes the erroneous line in the member.
In this message, ddName is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.
Corrective Action: Correct the text in the password member.
CTOF93S VALUE ERROR IN PASSWORD MEMBER (DD ddName)

Explanation: A field in the password member contains invalid data. When this message is issued by the monitor, it is generally followed by message CTOF9DS, which describes the erroneous line in the member.

In this message, ddName is the identity of the DD statement that points to the password member.

Authorization to access the product is denied.

Corrective Action: Correct the text in the password member.

CTOF94S PASSWORD INVALID, PLEASE RECHECK PASSWORD MEMBER (DD ddName)

Explanation: Data in the password member was not consistent with the specified password.

In this message, ddName is the identity of the DD statement that points to the password member.

Authorization to access the product is denied.

Corrective Action: Check the contents of the password member against the text received from BMC Software Customer Support. If it checks, contact the representative.

CTOF95S PASSWORD FOR CONTROL-x IS ABOUT TO EXPIRE IN n DAYS

Explanation: Highlighted, unrollable message.

Password expiration period is about to end.

An expiration date is specified in the password member for the product.

Corrective Action: Contact BMC Software Customer Support for a new password.

CTOF96S PASSWORD FOR CONTROL-x HAS EXPIRED

Explanation: Highlighted, unrollable message.

Password expiration period has ended.

An expiration date is specified in the password member for the product.

Authorization to access the product is denied.

Corrective Action: Contact BMC Software Customer Support for a new password.

CTOF97S INTERNAL ERROR OCCURRED ON DD ddName, PLEASE NOTIFY THE IOA ADMINISTRATOR

Explanation: An internal error has occurred while analyzing the password member pointed to by the ddName DD statement.

Authorization to access the product is denied.

Corrective Action: Notify the IOA administrator.
CTOF98S OBLIGATORY FIELD MISSING FROM PASSWORD MEMBER (DD ddName)

Explanation: An obligatory field is missing from the password member.

In this message, ddName is the identity of the DD statement that points to the password member. The PROD, START, CPUID, PASS and TYPE fields should appear at least once in a password member.

Authorization to access the product is denied.

Corrective Action: Check the contents of the password member against the text received from your INCONTROL administrator.

CTOF9AS PASSWORD FOR CONTROL-x NOT DEFINED IN MEMBER (DD ddName)

Explanation: The member pointed to by the ddName DD statement does not contain the password for the appropriate product.

In this message, ddName is the identity of the DD statement that points to the password member.

Authorization to access the product is denied.

Corrective Action: Check that the specified password member is the correct member for this product.

CTOF9BS AUTHORIZATION PERIOD HAS NOT STARTED YET (DD ddName)

Explanation: The start date of the password has not yet arrived.

In this message, ddName is the identity of the DD statement that points to the password member. The START field contains the starting date of the password.

Authorization to access the product is denied.

Corrective Action: Check that the specified password member is the correct member for this period.

CTOF9CS CPUID/MODEL NOT FOUND IN AUTHORIZED CPU LIST (DD ddName)

Explanation: The current CPU is not defined in the CPU list.

In this message, ddName is the identity of the DD statement that points to the password member. Each entry in the CPU list in the password member contains the CPUID of the CPU and its model.

Authorization to access the product is denied.

Corrective Action: Check that the specified password member is the correct member for this CPU.

CTOF9DS CARD = text

Explanation: This message supplies additional information for a previous error message.

This message may appear after message CTOF92S or CTOF93S which indicates an error has occurred in one of the lines of the password member. Message CTOF9DS displays the erroneous line.

Corrective Action: See messages CTOF92S or CTOF93S.
CTOF9ES PASSWORD DDCARD ddName POINTS TO A NON EXISTING MEMBER (ABEND S013-18)

**Explanation:** The `ddName` DD statement is allocated to a non-existing member in a PDS file.

In this message, `ddName` is the identity of the DD statement that points to the password member. Authorization to access the product is denied.

**Corrective Action:** Correct the name of the member in the DD statement or create a member with the specified name.

CTOF9FS PASSWORD FOR CONTROL-\textit{x} EXPIRED, TEMPORARY AUTHORIZATION GRANTED

**Explanation:** The password for Control-\textit{x} has expired. Nonetheless, Control-\textit{x} can be run on the current date.

Despite password expiration, Control-x can be run on the 28th, 29th, 30th, 31st, 1st, 2nd, and 3rd days of each month for special purposes.

Control-x processing continues.

**Corrective Action:** Contact BMC Software Customer Support to obtain password renewal.

Messages CTOI00 through CTOIxx

This group includes messages for the Control-O product.

CTOI00I CTO SUBSYSTEM `subsys` NOW ACTIVE. IMS AOI MESSAGE PROCESSED

**Explanation:** This information message indicates that the Control-O subsystem `subsys` is now active and as a result the IMS Automated Operator Interface (AOI) messages can now be processed.

**Corrective Action:** No action is required.

CTOI02E CTO SUBSYSTEM `subsys` INACTIVE. IMS AOI MESSAGES NOT PROCESSED

**Explanation:** IMS Automated Operator Interface (AOI) messages cannot be processed because Control-O subsystem `subsys` is not active.

No segments of the current AOI message are processed.

**Corrective Action:** Activate Control-O.

CTOI03E CTO SUBSYSTEM `subsys` DETECTED AN ERROR WHILE PROCESSING AN IMS AOI MESSAGE

**Explanation:** An internal error occurred while processing an IMS Automated Operator Interface (AOI) message.
No segments of the current AOI message are processed.

**Corrective Action:** Contact BMC Software Customer Support.

**CTOI04E** CTO SUBSYSTEM *subsyst* RETURNED AN INVALID RC FOR AN IMS AOI MESSAGE

**Explanation:** An internal error occurred while processing an IMS Automated Operator Interface (AOI) message.

No segments of the current AOI message are processed.

**Corrective Action:** Contact BMC Software Customer Support.

**CTOI06E** INTERNAL ABEND=(systemCode, userCode)

**Explanation:** The Control-O IMS Interface detected an internal abend, where **systemCode** is the system abend code, and **userCode** is the user abend code. This is the header message for messages CTOI07I, CTOI08I, CTOI09I, and CTOI10I which provide information about the abend.

A dump of the address space is produced on the first abend intercepted by the Control-O IMS Interface. Processing of the current IMS Automated Operator Interface (AOI) message is stopped. Subsequent AOI messages are processed.

**Corrective Action:** Check the dump and the related messages. If the problem is related to IMS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**CTOI07I** PSW AT TIME OF ABEND=psw DFSAOUE0 EP=add1 CTOEXEC EP=add2

**Explanation:** This information message indicates that the Control-O IMS Interface detected an internal abend. The message details the PSW at time of abend, and the entry points of the related Control-O modules. This message follows message CTOI06E and precedes messages CTOI08I, CTOI09I, and CTOI10I.

A dump of the address space is produced on the first abend intercepted by the Control-O IMS Interface. Processing of the current IMS Automated Operator Interface (AOI) message is stopped. Subsequent AOI messages are processed.

**Corrective Action:** Check the dump and the related messages. If the problem is related to IMS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**CTOI08I** REGISTERS AT TIME OF ABEND (R0 - R15):

**Explanation:** This information message indicates that the Control-O IMS Interface detected an internal abend. This message is a header for messages CTOI09I and CTOI10I which detail the contents of the registers at time of abend. This message follows messages CTOI06E and CTOI07I.

A dump of the address space is produced on the first abend intercepted by the Control-O IMS Interface. Processing of the current IMS Automated Operator Interface (AOI) message is stopped. Subsequent AOI messages are processed.
Corrective Action: Check the dump and the related messages. If the problem is related to IMS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

CTOI09I  register0 register1 ... register7
Explanation: This information message indicates that the Control-O IMS Interface detected an internal abend. The header for this message is message CTOI08I. This message details the contents of registers 0 - 7 at time of abend. (It is followed by message CTOI10I, which details the contents of registers 8 - 15.)

A dump of the address space is produced on the first abend intercepted by the Control-O IMS Interface. Processing of the current IMS Automated Operator Interface (AOI) message is stopped. Subsequent AOI messages are processed.

Corrective Action: Check the dump and the related messages. If the problem is related to IMS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

CTOI10I  register8 register9 ... register15
Explanation: This information message indicates that the Control-O IMS Interface detected an internal abend. This message follows messages CTOI08I and CTOI09I. This message details the contents of registers 8 - 15 at time of abend.

A dump of the address space is produced on the first abend intercepted by the Control-O IMS Interface. Processing of the current IMS Automated Operator Interface (AOI) message is stopped. Subsequent AOI messages are processed.

Corrective Action: Check the dump and the related messages. If the problem is related to IMS customization, or to storage violations due to user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

CTOI11E FREEMAIN OF ADDRESS add FAILED
Explanation: A FREEMAIN request by the Control-O IMS Interface failed. The probable cause is an internal error.

Corrective Action: Contact BMC Software Customer Support.

CTOI12I CONTROL-O IMS/ ims_region INTERFACE INITIALIZATION COMPLETED FOR SUBSYSTEM subsys IMS
Explanation: This information message indicates that initialization of the DFSAOE00 Control-O IMS module is complete for the IMS DB/DC, DCCTL, or DBCTL address space.

The DFSAOE00 Control-O IMS interface module is ready for requests.

Corrective Action: No action is required.

CTOI13W START REQUEST INVALID. INTERFACE ALREADY STARTED
Explanation: This warning message indicates that a /CTO START command was issued to start or restart the Control-O IMS interface, but the interface is already active.

The START request is rejected.
Corrective Action: No action is required.

CTOI15I CONTROL-O IMS/ims_region INTERFACE STOPPED FOR SUBSYSTEM subsys IMS
Explanation: This information message indicates that the Control-O IMS interface stopped in response to a /CTO STOP command.
Corrective Action: To reactivate the interface, issue the command /CTO START.

CTOI17I TRACE REQUEST ACCEPTED
Explanation: This information message indicates that a /CTO TRACE=ON command to start the Control-O / IMS trace messages was issued and accepted.
TRACE messages may be issued by the DFSAOE00 Control-O IMS interface module.
Corrective Action: To stop the trace, issue the command /CTO TRACE=OFF

CTOI18I text
Explanation: This is an echo message. It shows the text of a /CTO command as received from IMS by the DFSAOE00 interface module.
Corrective Action: No action is required.

CTOI19E INVALID COMMAND - COMMAND IGNORED
Explanation: An invalid /CTO command was issued to Control-O IMS interface. The text of the command appears in the previously issued message CTOI18I.
The command is rejected.
Corrective Action: Correct the command and reissue it.

CTOI20E START REQUEST INVALID. INTERFACE WAS PREVIOUSLY CANCELED
Explanation: The command /CTO START was issued to restart the Control-O / IMS interface, but the interface rejects the command because /CTO CANCEL has already been issued, and this prevents the interface from reactivating.
The request is rejected.
Corrective Action: To restart the Control-O IMS interface, stop IMS, then restart it again.

CTOI21I CONTROL-O IMS/ims_region INTERFACE CANCELED FOR SUBSYSTEM subsys
Explanation: This information indicates that the Control-O IMS interface stopped in response to a /CTO CANCEL command. The interface between IMS and Control-O using IOA subsystem subsys cannot be reactivated for this IMS region.
Corrective Action: To restart the Control-O IMS interface, stop IMS and restart it again.
CTR messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CTR0 through CTR0xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTR001I CONTROL-M/RESTART, REL releaseMaint STARTED FOR JOB jobName

**Explanation:** This information message is issued by the CONTROLR step to indicate that Control-M/Restart processing of the *jobName* job started.

**Corrective Action:** No action is required.

CTR002S INTERNAL ERROR IN CONTROL-M/RESTART MODULE modName

**Explanation:** The CONTROLR step detected an internal error in one of its modules. This message usually follows messages describing the specific error.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Have your system programmer call BMC Software Customer Support.

CTR003I processName OF JOB jobName ENDED SUCCESSFULLY

**Explanation:** This information message indicates that the Control-M/Restart process for the *jobName* restarted job (for example, ended OK, abended) is not known at this point.

**Corrective Action:** No action is required.

CTR004I processName processType OF JOB jobName ENDED

**Explanation:** When *processType* is SIMULATION, this information message indicates that Control-M/Restart, working in simulation mode, finished the simulation of the restart (when *processName* is RESTART) or prevent NCT2 (when *processName* is NONCAT2) for this job.

When *processType* is REGISTRATION (and *processName* is blank), this information message indicates that Control-M/Restart finished the collecting of cross-reference statistics for job - data sets.

The job is terminated after the CONTROLR step.

**Corrective Action:** No action is required.
CTR005S CONTROL-M/RESTART STEP MUST BE THE FIRST STEP OF THE JOB

**Explanation:** The CONTROLR step is not the first in this job. The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Correct the JCL. The CONTROLR step should always be the first one in the job.

CTR006S INTERNAL ERROR - INVALID CONTROL-M/RESTART PARAMETERS

**Explanation:** The parameters passed to Control-M/Restart in the EXEC statement or in the DAPARMIN DD statement are invalid. The specific errors are generally described in the preceding messages.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** If the job was run manually, correct the parameters in error and resubmit the job. If the job was submitted through the Control-M restart or prevent NCT2 processing, have your system programmer call BMC Software Customer Support for assistance.

CTR007S SYNTAX ERRORS IN `processName` CONTROL-STATEMENT(S)

**Explanation:** One or more of the control statements specified in a Restart or Prevent NCT2 Control Parameters member has an invalid syntax. The specific errors are generally described in the preceding messages.

The member in error is either the $DEFAULT member or the one indicated by the MEMNAME subfield in the PARM field of the Control-M/Restart step. The library is the one allocated to the DACTRCTL DD statement.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Correct the member in error, and rerun the job.

CTR008I PROCESSING PARAMETERS: `parms`

**Explanation:** This information message shows the contents of the parameters passed to the CONTROLR step either through the EXEC statement or in the DAPARMIN DD statement.

**Corrective Action:** No action is required.

CTR009S `processName` PROCESSING TERMINATED BY THE USER EXIT `exitName`. RC= `rc`

**Explanation:** The Control-M/Restart User Exit CTRX001 returned a return code which signified to Control-M/Restart to stop process processing.
The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** No action is required.

**CTR010S processName PROCESSING TERMINATED DUE TO AN INVALID RC= rc FROM exitName EXIT. FUNCTION - func**

**Explanation:** Exit `exitName` was called to perform function. The return code `rc` passed back to Control-M/Restart was not one of the expected return codes. Each Control-M/Restart exit has a defined set of expected return codes. Exit `exitName` returned a code which is not in the set of allowed codes.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter. The job terminates after the CONTROLR step.

**Corrective Action:** Correct the exit code in error. Refer to the *INCONTROL for z/OS Administrator Guide* for a description of exit `exitName` and the list of expected return codes.

**CTR011S UNCONDITIONAL SYSOUT READING IS REQUESTED, BUT ERRORS WERE ENCOUNTERED DURING SYSOUT PROCESSING**

**Explanation:** The CONTROLR step, running with SYSOPT parameter R, encountered errors during sysout processing. The specific errors are generally described in the preceding messages.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Check the preceding messages and take the recommended steps.

**CTR012W SYSOUTS FROM PREVIOUS RUNS OF JOB ORDER jobOrder WERE NOT FOUND. READING IS BYPASSED**

**Explanation:** The CONTROLR step, running with SYSOPT parameter C, encountered errors during sysout processing. The specific errors are generally described in the preceding messages.

The CONTROLR step continues processing, but will not uncatalog data sets, perform GDG adjustment, and the like.

**Corrective Action:** Check the preceding messages and take the recommended steps.

**CTR013S JOB jobName IS NON RESTARTABLE**

**Explanation:** Some necessary conditions mandatory for the restart of the job were not met. The specific errors are generally described in the preceding messages.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Check the preceding messages and take the recommended steps.
CTR014S MISSING CONTROL-M/RESTART REQUIRED PARAMETERS

**Explanation:** One of the mandatory Control-M/Restart parameters is missing.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** If the job was run manually, correct the parameters in error and resubmit the job. If the job was submitted through Control-M restart or prevent NCT2 processing, have your system programmer call BMC Software Customer Support for assistance.

CTR015I CONTROL-M/RESTART STEP IS NOT THE FIRST STEP OF THE JOB. ALL STEPS PREVIOUS TO Control-M/RESTART STEP ARE IGNORED

**Explanation:** This message informs the user that Control-M/Restart was not the first step in the job. Control-M/Restart will ignore all steps prior to Control-M/Restart steps, which means that Control-M/Restart will not analyze any steps prior to the Control-M/Restart step.

**Corrective Action:** Validate that the steps prior to the Control-M/Restart step were only environment steps or real steps.

CTR017E MISSING PARAMETER IN THE EXCLUDE STATEMENT

**Explanation:** An obligatory parameter was not specified in the EXCLUDE DSN statement.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step. The statement in error is printed before this message.

**Corrective Action:** Correct the EXCLUDE DSN statement. Refer to the Control-M/Restart User Guide for the description of the EXCLUDE DSN restart control statement.

CTR018E INVALID DSN LENGTH - CONTROL- stmt

**Explanation:** The data set name specified in the EXCLUDE DSN control statement has an invalid length.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step. The problematic RESTART Control-STATEMENT is printed before this message.

**Corrective Action:** Correct the EXCLUDE DSN statement. Refer to the Control-M/Restart User Guide for a description of the EXCLUDE DSN control statement.

CTR019E INVALID TRACE LEVEL VALUE. PLEASE ENTER UP TO EIGHT NUMBERS OF RANGE (1-8), SEPARATED BY COMMAS.

**Explanation:** An error occurred in the Control-M/Restart step of the job. The user tried specified more than 8 numbers when turning on the trace for that specific job in the Control-M/Restart PARM library, with the TRCREST parameter applied for restart and the TRCNCT2 parameter for NCT2.

Example: In MEMBERNAME in Control-M/Restart PARM library add statement for RESTART and NCT2.

```
TRCREST 1,2,3,4,5,6,7,8
TRCNCT2 1,2,3
```
The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Correct the member with the member name in the Control-M/Restart PARM library according to the above example.

**CTR020W processName CONTROL-MEMBER memName IS EMPTY**

**Explanation:** The process Control-MEMBER was found in the library specified by the DACTRCTL DD statement, but it does not contain any process CONTROL statements.

CONTROLR step continues processing.

**Corrective Action:** No action is required.

**CTR021S MISSING "OPERATION TYPE" PARAMETER**

**Explanation:** The obligatory OPERATION TYPE parameter was not specified in the CONTROLR step parameters.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR job step. Refer to the Control-M/Restart User Guide for a description of the CONTROLR step parameters.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

**CTR022S INVALID LENGTH OF THE POSITIONAL PARAMETER - parm**

**Explanation:** One of the positional parameters passed to the CONTROLR step has an invalid length.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR step. Refer to the Control-M/Restart User Guide for a description of the CONTROLR step parameters.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

**CTR023S INVALID PROCESSING MODE - " type"**

**Explanation:** The PROCESSING MODE positional parameter specified in the parameters for the CONTROLR step is not a valid type of restart.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.
Corrective Action: If the JCL for the CONTROLR step was created manually, correct the RESTART TYPE parameter passed to the CONTROLR job step. See the Control-M/Restart User Guide for the description of the Control-M/Restart PROCESSING MODE parameter.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

CTR024W MISSING "$processName CONTROL-MEMBER" NAME PARAMETER

Explanation: The process Control-PARAMETERS member name was not specified in the parameters passed to the CONTROLR step.

CONTROLR step continues processing. The control statements from the $DEFAULT member are used for the current job.

Corrective Action: No action is required.

CTR025S MISSING "RECAPTURE CODES/STEP ADJUSTMENT" PARAMETER

Explanation: The mandatory Recapture Codes or Step Adjustment parameter was not specified in the CONTROLR step parameters.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step has terminated.

Corrective Action: Add to the JCL the Recapture Codes or Step Adjustment parameter passed to the CONTROLR job step.

CTR026W MISSING "ORDERID" PARAMETER

Explanation: The ORDERID was not specified in the parameters passed to the CONTROLR step.

If the READ SYSOUT INDICATOR is R, then the CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step. If the READ SYSOUT INDICATOR is not R, processing continues.

Corrective Action: If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR job step. See the Control-M/Restart User Guide for a description of the CONTROLR step parameters.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

CTR027S INVALID "RECAPTURE ABEND/CONDITION CODE" INDICATOR - val

Explanation: The Recapture Abend or Condition Code indicator specified in the parameters for the CONTROLR step does not contain a valid value.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the ABNDTYP Control-M/Restart installation parameter in CTRPARM. The job stops after the CONTROLR step stops.
Corrective Action: Correct in the JCL the value of the Recapture Codes or Step Adjustment parameter passed to the CONTROLR job step.

CTR028S MISSING "READ SYSOUT INDICATOR" PARAMETER

Explanation: The obligatory READ SYSOUT INDICATOR parameter was not specified in the CONTROLR step parameters.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR job step. Refer to the Control-M/Restart User Guide for a description of the CONTROLR step parameters.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

CTR029S INVALID "READ SYSOUT INDICATOR" - type

Explanation: The value of the READ SYSOUT INDICATOR positional parameter specified in the parameters for the CONTROLR step is not valid.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR job step. See the Control-M/Restart User Guide for a description of the READ SYSOUT INDICATOR parameter.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

CTR030S MISSING "FROM PROCSTEP.PGMSTEP" PARAMETER

Explanation: The obligatory FROM PROCSTEP.PGMSTEP parameter was not specified in the CONTROLR step parameters.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR job step. Refer to the Control-M/Restart User Guide for a description of the CONTROLR step parameters.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

CTR031S INVALID "PROCSTEP.PGMSTEP" COMBINATION USED

Explanation: The PROCSTEP.PGMSTEP positional parameter passed to the CONTROLR step has an invalid syntax.
The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR job step. Refer to the *Control-M/Restart User Guide* for the description of the PROCSPEC.PGMSTEP parameter.

If the CONTROLR step has been added to the job by Control-M, contact BMC Software Customer Support for assistance.

**CTR032E REDUNDANT PARAMETER IN THE "EXEC" PARM OF THE RESTART STEP**

**Explanation:** More positional parameters than necessary were specified in the CONTROLR step parameters.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** If the JCL for the CONTROLR step was created manually, correct the parameters passed to the CONTROLR job step. Refer to the *Control-M/Restart User Guide* for the description of the CONTROLR step parameters.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

**CTR033S ORDERID IS OBLIGATORY WHEN READ SYSOUT INDICATOR IS SET TO "C" OR "R"**

**Explanation:** Reading of all the sysouts of previous runs of the job was requested, but ORDERID was not specified in the CONTROLR step parameters.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** If the JCL for the CONTROLR step was created manually, correct the CONTROLR step parameters. Refer to the *Control-M/Restart User Guide* for the description of the Control-M/Restart READ SYSOUT INDICATOR and ORDERID parameters.

If the CONTROLR step was added to the job by Control-M, contact BMC Software Customer Support for assistance.

**CTR034S INVALID OPERATION TYPE - opn**

**Explanation:** The OPERATION parameter in the PARM field of the CONTROLR step has an invalid value (opn).

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** If the JCL for the CONTROLR step was created manually, correct the CONTROLR step parameters. Refer to the *Control-M/Restart User Guide* for the description of the OPERATION subparameter of the MODE parameter.
If the CONTROLR step was added to the job by Control-M, notify BMC Software Customer Support.

**CTR035S READ SYSOUT OPTION IS INCOMPATIBLE WITH OPERATION TYPE. NONCAT2 IS PERFORMED WITHOUT SYSOUT PROCESSING**

**Explanation:** The combination of READ SYSOUT and TYPE parameters is invalid. The operation requested was NONCAT2 and the READ SYSOUT requested was one of the codes specifying that SYSDATA is to be read. The Prevent NCT2 function does not use the SYSDATA from previous runs.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** If the JCL for the CONTROLR step was created manually, correct the CONTROLR step parameters. See the Control-M/Restart User Guide for the description of the OPERATION subparameter of the MODE parameter and the READ SYSOUT parameter.

If the CONTROLR step was added to the job by Control-M, notify BMC Software Customer Support.

**CTR036S UNKNOWN DATASET DISPOSITION - val**

**Explanation:** The Control-M/Restart adjustment facility encountered an invalid data set disposition. This message precedes message CTR038I, which describes the data set name.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Contact BMC Software Customer Support for assistance.

**CTR037S MISSING INPUT DATASET(S). JOB IS NOT EXECUTABLE**

**Explanation:** At least one of the input data sets for the job is missing. It cannot be located. The job may fail during execution. The name of any missing data set is in an earlier part of the CONTROLR step output.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Look for previous messages that describe data sets that could not be found. One of the following may be done for each data set:

- If you want to bypass the checking for this data set, use the Restart Control member and the EXCLUDE DSN statement.
- If the data set is needed as input to the job, find out why it is missing, correct the situation, and rerun the job.

**CTR038I DSN= dsn DD= ddName STEP= stepName PROCSTEP= procStep**

**Explanation:** This information message details a data set name and its location in the job. The message always appears after another message that describes the actual problem relating to this data set.

**Corrective Action:** Refer to the previously displayed message in order to determine the problem.
CTR039I  processName STEP ADJUSTMENT PERFORMED. NEW processName STEP stepName PROCSTEP processStepName

Explanation: This information message indicates that the Control-M/Restart automatic step adjustment facility for processName ended successfully. The job will be restarted from the specified step and procstep.

Corrective Action: No action is required.

CTR040W "NEW" DISPOSITION IS REQUESTED FOR DATASET, BUT IT IS ALREADY CREATED BY A PREVIOUS STEP OF THE JOB

Explanation: The data set is specified with a NEW disposition although it is created by a previous step of the job and it is not deleted during the step. This could cause a JCL failure during job execution.

Corrective Action: Check the original JCL.

CTR041I DATASET WILL BE SCRATCHED FROM VOLUME volser

Explanation: This information message indicates that the data set will be scratched from the volume to prevent the failure of the job in duplicate data sets on the same volume.

The data set will be scratched from the volume in the execution phase of the CONTROLR step.

Corrective Action: No action is required.

CTR042I DATASET WILL BE UNCATALOGED

Explanation: This information message indicates that the data set will be uncataloged during the catalog adjustment phase in order to prevent the NOT CATLGD 2 error.

The data set will be uncataloged in the execution phase.

Corrective Action: No action is required.

CTR043E DATASET DOES NOT EXIST FOR THE STEP. STEP ADJUSTMENT IS ATTEMPTED

Explanation: A step that should run in the restarted job contains a data set that does not exist. Control-M/Restart will try to perform a step adjustment. It will find a previous step that creates the required data set, and restart the job from that step.

Corrective Action: No action is required.

CTR044I TAPE DATA SET REFERENCES A VOLUME OF A PREVIOUS STEP. STEP ADJUSTMENT IS ATTEMPTED.

Explanation: Control-M/Restart performs step adjustment to resolve the DD card for a tape data set whose volume is specified by a backward reference (VOL=REF in DD card) to a previous step that is not to be executed during Restart.

The message is followed by message CTR038I, which describes the data set name.
Corrective Action: To make Control-M/Restart avoid step adjustment in case of a VOL=REF referring to a step prior to the Restart step, specify the parameter IGNVOLRF = Y in the CTRPARM member. Then Control-M/Restart attempts to resolve the VOLSER and avoids JCL errors without step adjustment.

CTR045S "NEW" DISPOSITION IS REQUESTED, BUT THE SPACE PARAMETER IS NOT SPECIFIED IN THE JCL

Explanation: The CONTROLR step or the job will have to allocate the data set with a NEW disposition, but the space parameter was not specified in the JCL.

For non-SMS environments, the CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step. Under SMS, the message is not produced.

Corrective Action: Change the disposition of the data set in the JCL, for example from NEW to MOD, and/or add the space parameter.

CTR046W DATASET IS ALREADY CATALOGED BY A PREVIOUS STEP OF THE JOB

Explanation: The data set has to be cataloged, but is already cataloged by a previous step of the job. The message is followed by a CTR038I message that describes the data set name.

Corrective Action: No action is required.

CTR048W "CATALG" DISPOSITION IS SPECIFIED, BUT DATASET IS ALREADY CATALOGED ON OTHER VOLUMES

Explanation: The data set has to be cataloged on a specific volume, but it is already cataloged on another volume. The message is followed by message CTR038I which describes the data set name.

Corrective Action: No action is required.

CTR04AS MISSING INPUT DATA SET dsn

Explanation: An error occurred in the job with a Control-M/Restart step because of missing input data set in the job JCL.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: Check which data set is missing, correct the job JCL, or allocate the missing file, then rerun or restart the job.

CTR050W "UNCATLG" IS REQUESTED FOR DATASET, BUT THE DATASET IS NOT CATALOGED

Explanation: The data set has to be uncataloged, but it is not cataloged. The message is followed by message CTR038I which describes the data set name.

Corrective Action: No action is required.
CTR051E JOB IS NOT AUTHORIZED TO ACCESS DATASET: dsn (DDNAME: ddName)

**Explanation:** An error occurred in the job with Control-M/Restart step. When the CHKSEC parameter is set to Y in the CTRPARM member in the IOA PARM library, Control-M/Restart calls Security Exit IOASE032 to validate whether the job has authorization to access the data set. This message shows that the problematic job is not authorized to access the data set.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Consult with your system security administrator, add the correct authorization, and rerun or restart the job.

CTR054S OPEN OF DDNAME ddName FAILED

**Explanation:** Open of the ddName data set failed. Possible causes are:

- The ddName DD statement is missing.
- The data set DCB characteristics are not as expected by the CONTROLR step.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Look in the job log for additional system messages that explain the cause of the failure. If the DD statement is missing, correct the Control-M/Restart procedure.

CTR055S processName OF JOB jobName ENDED WITH ERRORS

**Explanation:** Errors were detected during Control-M/Restart processing. The specific errors are generally described in the preceding messages.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Check the preceding messages and take the recommended steps.

CTR056S INVALID LENGTH OF THE EXEC PARM DATA

**Explanation:** The restart parameters data is longer than 255 characters. This might happen only when Control-M/Restart is called internally by another program.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Correct the parameters passed to Control-M/Restart.

CTR057S STARTED TASKS PROCESSING IS NOT SUPPORTED YET

**Explanation:** The CONTROLR step was activated for a started task, and restart of a started task is not supported.
The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Do not use Control-M/Restart for started tasks.

CTR059I ANALYZE PHASE STARTED

**Explanation:** This information message is issued by the CONTROLR step when starting the analyze phase. In this phase Control-M/Restart analyzes what should be done.

**Corrective Action:** No action is required.

CTR060I EXECUTION PHASE STARTED

**Explanation:** This information message is issued by the CONTROLR step the execution phase starts. In this phase Control-M/Restart executes the special restart or prevent NCT2 adjustment required (for example, delete data sets, perform GDG adjustments).

**Corrective Action:** No action is required.

CTR061I EXECUTION SIMULATION PHASE STARTED

**Explanation:** This information message is issued by the CONTROLR step when starting the execution phase under simulation mode. In this phase Control-M/Restart issues only the messages related to the special restart or prevent NCT2 adjustment required, without actually performing the adjustments.

**Corrective Action:** No action is required.

CTR062I processType OF JOB jobName STARTED

**Explanation:** This information message is issued by the CONTROLR step when starting the simulation (if processType is SIMULATION) or collecting of cross-reference statistics for job - data sets (if processType is REGISTRATION) of a job.

**Corrective Action:** No action is required.

CTR063S CONTROL-M/RESTART IS NOT APF AUTHORIZED

**Explanation:** The CONTROLR step is not APF authorized.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** Ensure that the STEPLIB for the CONTROLR step is on the APF authorization list in SYS1.PARMLIB.

CTR064S INVALID FUNCTION CALL func TO MODULE modName

**Explanation:** Internal Control-M/Restart error. This message is followed by other messages detailing the nature of the error.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** Notify BMC Software Customer Support.
CTR065S CONTROL-M/RESTART INITIALIZATION FAILED ON PHASE phase

Explanation: Internal Control-M/Restart error. This message is preceded by other messages detailing the nature of the error.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the value set for the ABNDTYP Control-M/Restart installation parameter. The job terminates after the CONTROLR step.

Corrective Action: Examine the preceding messages and take any corrective action associated with those messages. If the problem persists, notify BMC Software Customer Support.

CTR066I OID= orderId NUMBER OF SKIPPED STEPS nnnn WITH A TOTAL ELAPSED TIME hh.mm CPU TIME mmm MIN ss.cc SEC

Explanation: This information message indicates the elapsed and CPU time saved by skipping the indicated number of steps during the restart. This message is issued to the job syslog during Control-M/Restart step termination.

The variables in this message are:
- nnnn - the number of skipped steps
- hh.mm - the elapsed time saved, in hours (hh) and minutes (mm)
- mmm ss.cc - CPU time saved, in minutes (mmm), seconds (ss) and hundredths of seconds (cc)

Corrective Action: No action is required.

CTR067I SIMULATION MODE WAS FORCED BY INSTALLATION PARAMETERS

Explanation: This information message indicates that the CTRSTAT Control-M/Restart installation parameter was set to ONLY. Control-M/Restart has been configured to issue statistics only, not to perform any actions.

Corrective Action: No action is required.

CTR070S DSN dsn SHOULD BE EXCLUDED, BUT IS NOT FOUND IN THE JOB

Explanation: A specific, non-generic, EXCLUDE DSN statement was specified for the dsn data set, but this data set was not referenced in any of the JCL DD statements in the job.

Control-M/Restart assumes that the data set is referenced in the JCL.

Corrective Action: Check the JCL and remove the EXCLUDE DSN statement. Another solution is to change the EXCLUDE DSN statement to a generic statement.

CTR071W MEMBER member DOES NOT EXIST IN CONTROL-M/RESTART PARM LIBRARY

Explanation: The $EXCLUDE or $KEEP member was not found in the Control-M/Restart PARM library. As both members exist in the PARM library as delivered, the member was renamed or deleted.
Corrective Action: Restore the $EXCLUDE or $KEEP member that was renamed or deleted.

CTR072I DSN dsn IN PROCEDURE processName, STEP stepName, DDNAME ddName HAS BEEN EXCLUDED FROM RESTART DECISION.

Explanation: The DD name that is defined in the $EXCLUDE member was excluded from Control-M/Restart restart processing. The $EXCLUDE member contains the definitions of DD names and data set names to be excluded from Control-M/Restart processing.

Corrective Action: No action is required.

CTR073I DSN dsn HAS BEEN EXCLUDED FROM RESTART DECISION.

Explanation: This message informs the user that the data set that was defined in the $EXCLUDE member was excluded from Control-M/Restart restart processing. See message CTR072I.

Corrective Action: No action is necessary.

CTR075S ONLY CONTROLR STEP IS PRESENT IN THE JOB jobName

Explanation: The job contains only the CONTROLR step. This could be the result of the AutoEdit translation or the Control-M submit exit. The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: Check the job and find out why there are no other steps in the job.

CTR076S processName WAS REQUESTED FROM PGMSTEP stepName PROCSSTEP stepName BUT THE STEP WAS NOT FOUND IN THE JOB

Explanation: Control-M/Restart was requested to process the job from a specific step, but this step was not found in the job.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: Check the job step names against the restart parameters (against DO IFRERUN in Control-M), or against the manual restart decision. Correct them, and rerun the job.

CTR077S processName WAS REQUESTED TO PGMSTEP stepName PROCSSTEP stepName BUT THE STEP WAS NOT FOUND IN THE JOB

Explanation: Control-M/Restart was requested to restart the job until a specific step, but this step was not found in the job.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: Check the job step names against the restart parameters (against DO IFRERUN in Control-M), or against the manual restart decision. Correct it, and rerun the job.
CTR078S "TO" STEP APPEARS BEFORE THE "FROM" STEP IN THE JOB

Explanation: Control-M/Restart was requested to restart the job from a specific step until another step, but the TO step appears in the job before the FROM step.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: Check the job step names against the restart parameters (against DO IFRERUN in the Control-M), or against the manual restart decision. Correct it, and rerun the job.

CTR079S DUPLICATE "FROM/TO" STEP NAMES FOUND IN THE JOB

Explanation: The CONTROLR step found more than one FROM or TO steps in the job, and could not determine the restart step.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: Change the job step names to avoid duplicate step names in the job.

CTR081I CONDITION CODE code IS RECAPTURED FOR STEP stepName

Explanation: This information message indicates that a condition code was recaptured by Control-M/Restart. Control-M/Restart captures the condition codes of the steps from the previous run or runs of the job. Steps in the restarted job can refer to a recaptured condition code from a step that is not executed in the restarted job. The CONTROLR step can use that condition code to affect the execution of the restarted job.

Corrective Action: No action is required.

CTR082I OID= orderId RESTARTING FROM STEP stepName TO STEP stepName

Explanation: This information message indicates the Control-M/Restart final restart decision. After all the required adjustments, the restarted job will execute in the specified range of steps.

Corrective Action: No action is required.

CTR083S DATASET ADJUSTMENT PROCEDURE FAILED

Explanation: The restarted job required data set adjustments like uncatalog or scratch a data set. For some reason the adjustment operation failed. This could be because the user exit failed the request, or the operation was failed by the operating system, or because of internal errors in Control-M/Restart.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

Corrective Action: If you cannot locate the reason for the failure in previous messages, call BMC Software Customer Support for assistance.
CTR084E SCRATCH OF DATASET $dsn$ FAILED

**Explanation:** The data set must be scratched in order to prevent duplicate data set errors, but the scratch operation failed.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Look in the job log or in the CONTROLR step messages for messages that will clarify the reason for the failure. Correct it, and rerun the job.

CTR085I DATASET $dsn$ SCRATCHED FROM VOL= $volser$

**Explanation:** This information message indicates the data set is scratched from the volume in order to prevent duplicate data set errors when the job is restarted.

The data set is scratched from the volume.

**Corrective Action:** No action is required.

CTR086E "UNCATALG" OF DATASET $dsn$ FAILED

**Explanation:** The data set must be uncataloged in order to prevent NOT CATLGD 2 situations, but the uncatalog operation failed.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Look in the job log or in the CONTROLR step messages for messages that clarify the reason for the failure. Correct it, and rerun the job.

CTR087I DATASET $dsn$ HAS BEEN UNCATALOGED

**Explanation:** This information message indicates that the data set is uncataloged in order to prevent NOT CATLGD 2 situations when the job is restarted.

The data set is uncataloged.

**Corrective Action:** No action is required.

CTR088E "CATALG" OF DATASET $dsn$ FAILED

**Explanation:** The data set must be cataloged in order to prevent DATASET NOT FOUND errors when the job is restarted.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Look in the job log or in the CONTROLR step messages for messages that will clarify the reason for the failure. Correct it, and rerun the job.
CTR089I DATASET $dsn$ HAS BEEN CATALOGED ON VOLUME $volser$

**Explanation:** This information message indicates that the data set is cataloged in order to prevent DATASET NOT FOUND errors when the job is restarted.

The data set is cataloged.

**Corrective Action:** No action is required.

CTR090I CORRECTING REFERENCE OF GDG DATASET TO "$dsn$" FROM:

**Explanation:** This information message is followed by message CTR038I which describes the GDG name before adjustments. The GDG bias numbers must be reversed so that the relative references to them, within the restarted job, will refer to the correct generation of the data set.

The reference to the GDG data set is corrected.

**Corrective Action:** No action is required.

CTR091E REQUESTED VOLUMES $vols$ ARE NOT MOUNTED

**Explanation:** The volumes containing the data set to be scratched were not mounted.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Make sure that the listed volumes are mounted, and rerun the job.

CTR092E "SCRATCH" FAILED. RC="rc"

**Explanation:** An unusual condition was encountered on one or more volumes while scratching a data set.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

CTR093E INVALID VOLUME LIST $volList$

**Explanation:** An invalid volume list was used to scratch a data set. This is probably due to an internal error in Control-M/Restart, but it may also happen when attempting to run the job in a computer other than the one in which it abended.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.
CTR094I CHANGING VOLUME(S) FOR DATASET TO - \textit{volser}

\textbf{Explanation:} This information message precedes message CTR038I, which describes the data set name. The data set was cataloged to prevent DATASET NOT FOUND errors, and now resides on another volume. This is done because the data set name in the JCL of the job is not followed by a VOLSER, and the data set was not cataloged in the previous run of the job.

The internal MVS volume reference to the data set is corrected.

\textbf{Corrective Action:} No action is required.

CTR095I \textit{func} FAILED. RC= \textit{rc} REASON= \textit{rsn}

\textbf{Explanation:} This information message indicates that a specified function was not performed for a data set. In the case of a severe error, this message precedes message CTR084E, which indicates the data set name causing the problem.

\textbf{Corrective Action:} No action is required.

CTR096W MODEL DSCB ATTRIBUTES WERE NOT USED FOR \textit{dsn}. REASON \textit{rsn}

\textbf{Explanation:} Control-M/Restart could not find MODEL DSCB attributes. While performing a GDG adjustment for a file (\textit{dsn}), Control-M/Restart checks whether the DD statement for the GDG file refers explicitly to a MODEL DSCB. If so, Control-M/Restart tries to locate this MODEL DSCB. If for some reason the DSCB cannot be located, Control-M/Restart issues this warning message, accompanied by message CTR038I, and continues processing.

Possible values for reason: NOTFOUND or TYPEERR.

\textbf{Corrective Action:} No action is required.

CTR097I NCT2 HAS BEEN PREVENTED FOR DATASET

\textbf{Explanation:} This information message indicates that Control-M/Restart prevented the cataloging of the data set because the data set was already cataloged. This message precedes message CTR038I, which specifies the data set name.

\textbf{Corrective Action:} No action is required.

CTR098S JCL ERROR. DATASET " \textit{dsn} " HAS A NAME OF ALIAS

\textbf{Explanation:} The JCL for the job contains a DD statement that specifies a data set \textit{dsn} whose name is the same as the name of an alias in the catalog. A data set name cannot be the same as the name of an alias in the catalog, because it causes a JCL error when the job is run.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on CONTROLR installation parameter ABNDTYP. The job terminates after the CONTROLR step.

\textbf{Corrective Action:} Correct the JCL of the job by specifying a unique data set name, and rerun or restart the job.
CTR099S THE FOLLOWING GDG BASE DOES NOT EXIST IN CATALOG ctlg

**Explanation:** The JCL for the job contains a DD statement that specifies a GDG data set whose GDG base name does not exist in the ctlg catalog. Any GDG data set specified in the job JCL should have a GDG base name defined in the catalog.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on CONTROLR installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** Define a GDG base name in the catalog by means of the IDCAMS utility, or correct the JCL of the problematic job. Specify the GDG data set with a GDG base name that exists in the catalog.

Messages CTR100 through CTR1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTR100I** ABEND CODE code IS RECAPTURED FOR STEP procStep. pgmStep

**Explanation:** This information message indicates that the CONTROLR step recaptured an abend code from a previous run of the job. This code may affect execution of the restarted job. The steps of the restarted job can refer to (COND=EVEN or COND=ONLY) abends in steps that are not executed in the restart run.

**Corrective Action:** No action is required.

**CTR101I** NONCAT2 FROM STEP procStep. pgmStep TO STEP procStep. pgmStep

**Explanation:** This information message indicates the range of steps which will be executed in a Prevent NCT2 run.

**Corrective Action:** No action is required.

**CTR102I** CLEANUP FROM STEP step.procStep TO STEP step.procStep

**Explanation:** This information message indicates that the Control-M/Restart Data Set Cleanup Facility (CLIST CTRCCLN) was used to perform data set adjustment, without performing the actual restart. Data Set Cleanup Facility is used to restore the steps in the specified step range to their initial state. The CONTROLR step performs data set adjustment, deleting all new cataloged files, adjusting GDG bias numbers, and so on, without executing other steps of the job.

**Corrective Action:** No action is required.

**CTR103I** job [procedure] step - STEP NOT EXECUTED - DUE TO RESTART DECISION

**Explanation:** This information message indicates the step that is being skipped during the restarted run of a job. The job step was not executed because restart was requested by a From Restart Step statement from a later step.

**Corrective Action:** No action is required.
**CTR104S ALL STEPS WILL BE FLUSHED DUE TO PREVIOUS CODES**

**Explanation:** Restart resulted in flushing all remaining steps in the job. A request was made to Control-M/Restart to recapture step completion codes. This request will cause all remaining steps not to be executed, because of condition codes specification.

All the job steps are not executed.

**Corrective Action:** If recapturing of completion codes is required, mark the job as ended OK using the FORCE OK command, or restart the job without the step recapturing option.

**CTR105I 'NCT2' IS RECAPTURED FOR STEP stepName.procStep**

**Explanation:** This message informs the user that Control-M/Restart recaptured the NCT2 codes for a specific step and specific procstep. Control-M will use this information during post-processing analysis of the results of the job.

**Corrective Action:** No action is necessary.

**CTR106I jobName processName stepName - complCode systemAbCode/userAbCode nct2_sign**

**Explanation:** This message appears for every step in the job. It is used by Control-M during the Post-processing analysis of the results of the job.

**Corrective Action:** No action is necessary.

**CTR120E READING OF THE SYSOUT OF PREVIOUS RUN(S) OF ORDERID orderId FAILED**

**Explanation:** Severe errors were encountered during processing of the sysouts from the previous run or runs of the job. The preceding messages explain the problem in detail.

Depending on the Read Sysout Indicator, Control-M/Restart either terminates or continues processing.

If R was specified as a value for READ SYSOUT INDICATOR then the CONTROLR step terminates with a nonzero condition code or with an abend code, depending on the setting of the ABENDTYP Control-M/Restart installation parameter in CTRPARM. The job terminates after the CONTROLR step.

If C was specified as a value for Read Sysout Indicator then Control-M/Restart continues processing.

**Corrective Action:** Check the combination of CONTROLR step parameters MEMNAME and ORDERID. If the combination is valid, try to find out why the compressed data sets containing the sysouts of the previous run for the job were deleted.

**CTR121E IMPORTANT SYSOUT OF JOBID jobId FROM ORDERID orderId IS MISSING. RESTART IMPOSSIBLE**

**Explanation:** Control-M/Restart did not find some or all of the archived SYSDATA for the orderId order ID during the restart run CONTROLR step. The SYSDATA pointers that Control-M/Restart received pointed to archived SYSDATA that was deleted before the restart run was executed. Control-M/Restart cannot perform a restart without this data.
The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the setting of the ABENDTYP Control-M/Restart installation parameter. The job terminates after the CONTROLR step.

**Corrective Action:** Determine the cause of deletion of the needed SYSDATA, and ensure that all SYSDATA needed by Control-M/Restart for restart are available at the time the restart is performed.

**CTR126W PROBLEMS READING ARCHIVED SYSOUT DATA BASE. DSN=dsn**

**Explanation:** Control-M/Restart encountered problems while attempting to read archived SYSDATA from the archived SYSDATA database. This message is accompanied by other messages that define the exact problem.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** Notify BMC Software Customer Support.

**CTR128S SYSOUT(S) OF THE PREVIOUS RUN(S) DO NOT CONTAIN USEFUL INFORMATION. NUMBER OF CARDS READ nnnn**

**Explanation:** SYSDATA read by Control-M/Restart did not contain the data necessary to complete processing properly.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** Notify BMC Software Customer Support.

**CTR131E INCORRECT DSN SPECIFICATION - dsn**

**Explanation:** The dsn data set specified in the RESTART or PREVENT NCT2 Control-STATEMENT has an invalid syntax.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step. The statement in error is printed before this message.

**Corrective Action:** Correct the RESTART or PREVENT NCT2 Control-statement. Refer to the Control-M/Restart User Guide for the description of the RESTART or PREVENT NCT2 Control-statement.

**CTR132I PARAMETER MISSING IN THE DEBUG LEVEL STATEMENT**

**Explanation:** This information message indicates that parameter DEBUGLEVEL was specified in the CTRPARM member, but no value was supplied.

The program ignores the parameter and continues processing.

**Corrective Action:** Enter the value from 1 to 255 for the DEBUGLEVEL parameter in the CTRPARM member.

**CTR133I INVALID DEBUG LEVEL VALUE**

**Explanation:** This information message indicates that an invalid value was specified in the DEBUGLEVEL parameter in the CTRPARM member.
The program ignores the parameter and continues processing.

**Corrective Action:** Correct the value specified in the DEBUGLEVEL parameter in the CTRPARM member to a number from 1 to 255.

**CTR134E INVALID SPECIFICATION OF NONRESTARTABLE STEP**

*Explanation:* The NONRESTARTABLE_STEP parameter in the CTRPARM member was specified incorrectly.

The program aborts the CONTROLR step with an error code.

**Corrective Action:** Correct the format of the NONRESTARTABLE_STEP parameter to [PROCSTEP. PGMSTEP] and restart the job.

**CTR141S MVS/JES TABLE tableName CANNOT BE LOCATED**

*Explanation:* Control-M/Restart cannot locate the specified operating system table for retrieving necessary information.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Contact BMC Software Customer Support for assistance.

**CTR142S TOKEN TRANSLATION FOR TABLE tableName FAILED. TOKEN= token. RC= rc**

*Explanation:* Failure in request by Control-M/Restart for MVS SWA Manager translation service. Values of table, token, and return-code are provided for problem determination purposes.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** Notify BMC Software Customer Support.

**CTR143S UNIT NAME NOT FOUND: unitName**

*Explanation:* Unit name unitname was not recognized by Control-M/Restart. The unit name is either incorrect or missing from the Control-M/Restart Unit Table.

The job terminates with error.

**Corrective Action:** Specify a correct unit name in the Control-M/Restart Unit Table.

**CTR146S "MOD" DISPOSITION IS REQUESTED, BUT THE SPACE PARAMETER IS NOT SPECIFIED IN THE JCL**

*Explanation:* The data set that was specified with a MOD disposition could not be found, and therefore a new one must be allocated. However, the space parameter is missing.
For non-SMS environments, the CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/R M Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step. Under SMS the message is not produced.

**Corrective Action:** Add the SPACE parameter to the data set with the MOD disposition, and rerun the job.

**CTR147f** REFERENCE TO GDG DATASET WILL BE ADJUSTED TO *dsn1*
FROM: *dsn2*

**Explanation:** This information message indicates that the GDG adjustment phase will change the data set name because the generation number was updated by the job during a previous run. Usually the change will be to return to the previous generation data set.

The data set name will be changed. The JCL of the job remains unchanged. Only the real job references the new data set name during execution.

**Corrective Action:** No action is required.

**CTR148f** DATASET NOT FOUND IN CATALOG. STEP ADJUSTMENT IS ATTEMPTED

**Explanation:** A step that should run in the restarted job contains a data set that is not found in the catalog.

Control-M/R M Restart tries to do a step adjustment, find a previous step that creates the required data set, and restart from that step.

**Corrective Action:** No action is required.

**CTR149f** "NEW" DISPOSITION IS REQUESTED FOR A DATASET USED BY A PREVIOUS JOB STEP

**Explanation:** A job step must allocate a data set as if DISP was set to NEW, but Control-M/R M Restart determined that a previous step in the job references the same data set name with a disposition other than DELETE.

Processing continues normally.

**Corrective Action:** No action is required.

**CTR150f** exitName USER EXIT WILL BE INVOKED TO func DATASET

**Explanation:** This information message indicates that the CTRX001 Control-M/R M Restart Exit will replace Control-M/R M Restart data set adjustment processing. This exit is installed during Control-M/R M Restart installation. It overrides CATALOG, UNCATALOG, DELETE (SCRATCH), LOCATE and SCANDS functions originally performed by Control-M/R M Restart.

For more information concerning Control-M/R M Restart user exits, see the INCONTROL for z/OS Administrator Guide.

**Corrective Action:** No action is required.
CTR151W ERRORS OCCURRED WHILE COLLECTING JOBS/DATASETS CROSS-REFERENCE STATISTICS

**Explanation:** Errors occurred during Control-M/Restart PREVENT NCT2 processing while statistics were being collected for the Job Dataset Cross Reference report.

Control-M/Restart continues PREVENT NCT2 processing, and Control-M continues processing of the job, but the Job Dataset Cross Reference report statistics relating to this job are not collected.

**Corrective Action:** Retain the whole sysout of the problematic job execution, and contact BMC Customer Support.

CTR152I JOBS/DATASETS CROSS-REFERENCE STATISTICS COLLECTED SUCCESSFULLY

**Explanation:** During Control-M/Restart PREVENT NCT2 processing, statistics for the Job Dataset Cross Reference report were collected successfully.

**Corrective Action:** No action is required.

CTR160E INVALID "EXEC" CARD FOUND - *stmt*

**Explanation:** An unknown type of EXEC statement was found during sysout processing.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Check the problematic EXEC statement and if appropriate, correct it. If everything appears in order, contact BMC Software Customer Support.

CTR161S "SUBSTITUTION JCL" CARD NOT FOUND FOR JCL LINE " *lineNum*

**Explanation:** Substituting JCL message (IEF653I) had been expected for the JCL line number line-number but it was not found in the sysout. This is probably an internal error in Control-M/Restart. Control-M/Restart tries to analyze the JCL of the previous executions of the job. This message means that Control-M/Restart could not resolve some internal references of the sysout of the job.

The CONTROLR step ends with a non-zero condition code or with an abend code, depending on the Control-M/Restart Installation parameter ABNDTYP in CTRPARM. The job ends after the CONTROLR step.

**Corrective Action:** Check the problematic sysout, and correct the JCL of the job. If everything appears in order, contact BMC Software Customer Support for assistance. Provide a printout of the sysout of the previous execution of the job that failed, and the complete sysout of the job run that produced this message.

CTR162S UNKNOWN SYSOUT STRUCTURE OF JOBID *jobId*

**Explanation:** Severe failure during sysout processing. Control-M/Restart is unable to process the sysout from the previous run of the job (JOBID *jobId*). Control-M/Restart encountered a job SYSJCL or SYSMSG structure with which it is not familiar. It is probably an internal error of Control-M/Restart.
The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart Installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Contact BMC Software Customer Support for assistance. Provide a printout of the sysout of the previous execution of the job that failed, and the complete sysout of the job run that produced this message.

**CTR163I MISPLACED "J CL" STATEMENT - jclStmt**

**Explanation:** This information message indicates that a JCL statement was found in the message area of the job sysout from the previous run.

CONTROLR step continues processing. This JCL statement is ignored.

**Corrective Action:** Check why the specified JCL statement was found in the improper area of the sysout. If everything appears in order, contact BMC Software Customer Support.

**CTR164I MISPLACED SYSOUT STATEMENT - sysout stmt**

**Explanation:** This information message indicates that the specified sysout statement was found in an improper area of the job sysout from the previous run.

CONTROLR step continues processing, and the sysout statement is ignored.

**Corrective Action:** Check why the specified sysout statement was found in the improper area of the sysout of the previous run of the job. If everything appears in order, contact BMC Software Customer Support for assistance.

**CTR165E ERRORS WHILE PROCESSING SYSOUT. SENSE= sense**

**Explanation:** Control-M/Restart encountered an error in the structure of a SYSDATA statement from a previous run. The SYSDATA contained data that was in an invalid format. The value of sense is an internal code that helps in problem analysis. This message is accompanied by message CTR167I, which contains the content of the statement in error.

Control-M/Restart continues the restart process.

**Corrective Action:** Notify BMC Software Customer Support.

**CTR166I CURRENT JOB JCL IS DIFFERENT FROM J CL OF PREVIOUS RUN(S)**

**Explanation:** This information message indicates that differences were found between current job JCL and the JCL or JCLs of the job from previous run or runs of the job.

CONTROLR step continues processing.

**Corrective Action:** No action is required.

**CTR167I UNKNOWN CARD STRUCTURE - sysoutData**

**Explanation:** This information message contains the data that caused the error indicated in the preceding CTR165S message.

**Corrective Action:** No action is required.
CTR168I  ANALYZE {STAGE2 | CHKSTG2} INFORMATION FOR STEP=STEP=
stepName PROCSTEP= procStepName

Explanation: This information message provides additional information for messages CTR164I and/or CTR038I.

The program continues normal error processing.

Corrective Action: Supply BMC Software Customer Support with the sysout of the original run of the job, and the sysout and Control-M/Restart output of all restarted attempts of the job.

CTR169I  {JESJCL | SYSMSG} ddName dsn gdgLevel

Explanation: This information message provides additional information for messages CTR164I and CTR038I.

The program continues normal error processing.

Corrective Action: Supply BMC Software Customer Support with the sysout of the original run of the job, and the sysout and Control-M/Restart output of all restarted attempts of the job.

CTR171S processName FROM CONTROL-M/RESTART STEP IS NOT SUPPORTED

Explanation: Control-M/Restart was requested to perform process starting with the CONTROLR step itself. A RESTART or NONCAT2 run must start processing at some step other than the CONTROLR step itself. The request to begin at the CONTROLR step may have been generated manually, either in the Control-M Restart Window or by manual creation of the JCL, or automatically as the result of a prior run abending in the CONTROLR step.

The CONTROLR step terminates with a non-zero condition code or with an abend code (depending on the Control-M/Restart installation parameter ABNDTYP). The job terminates after the CONTROLR step.

Corrective Action: If the FROM step was manually specified on the Control-M Restart Window, specify a subsequent step in the job as the starting step. If the JCL for the RESTART or NONCAT2 run was created manually, correct the JCL to point to a subsequent step.

If the FROM step was generated automatically, the restart step must be overridden manually in the Control-M Restart Window to point to a later step in the RESTART or NONCAT2 run.

CTR180E DSN dsn IS LOCATED ON MORE THAN ONE VOLUME - CANNOT RESTART

Explanation: During restart of a job that was executing when the system crashed, Control-M/Restart found data set dsn on more than one disk volume. After a system crash, Control-M/Restart must determine where new data sets that did not specify a specific volume were allocated. The system crashed before the data sets were cataloged. At restart, Control-M/Restart found more than one data set with the same name.

This message precedes a series of CTR181E messages that list the volumes on which data set dsn was found.

The CONTROLR step terminates with a non-zero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP. The job terminates after the CONTROLR step.
Corrective Action: If it can be determined from the CTR181E messages which data set was the one created when the system crashed, delete all others with the same data set name and retry the restart.

If it is not possible to determine which data set is the correct one for restart, delete all data sets with data set name dsn, and when restarting, manually ensure that the restart step occurs before the step that created dsn.

An alternative is to modify the JCL for the job so that a specific volume is requested for data set dsn. This permits restart to proceed. In this case, delete dsn from all other volumes on which it appears.

CTR181E DSN dsn IS LOCATED ON VOLUME vol
Explanation: This message accompanies message CTR180E and indicates on which volumes the duplicate data sets reside.
Corrective Action: No action is required.

CTR182I STEP ADJUSTMENT REQUIRED BUT "NOSTEPADJUST" WAS SPECIFIED. RESTART PROCESSING TERMINATED
Explanation: This information message indicates that restart processing terminated because a required step adjustment could not be performed due to a NOSTEPADJUST specification. Control-M/Restart determined that step adjustment was required to perform the restart correctly. However, control statement NOSTEPADJUST, which prevents automatic step adjustment, was specified.

Restart processing is terminated and the job is not executed.
Corrective Action: No action is required.

CTR183I STEP step PROCSTEP procStep NON RESTARTABLE BY REQUEST. STEP ADJUSTMENT ATTEMPTED
Explanation: This information message indicates that, due to specification of the CTRNORST DD statement in the specified JCL step, Control-M/Restart is attempting step adjustment to the previous step in order to restart the job.

By specifying the CTRNORST DD statement for a step, the user indicates to Control-M/Restart that the step is non-restartable. If Control-M/Restart attempts restart from a step, but finds the CTRNORST DD statement specified in the step, Control-M/Restart then attempts restart from the previous step. Control-M/Restart attempts step adjustment.
Corrective Action: No action is required.

CTR184S JOB IS NON RESTARTABLE BY REQUEST
Explanation: Job could not be restarted because Control-M/Restart attempted to perform the restart from the first step, but the user specified the CTRNORST DD statement within that step.

By specifying the CTRNORST DD statement for a step, the user indicates to Control-M/Restart that the step is non-restartable. If Control-M/Restart attempts restart from a step, but finds the CTRNORST DD statement specified in the step, Control-M/Restart then attempts restart from the previous step. Control-M/Restart attempts step adjustment.

When Control-M/Restart attempts restart from the first step, but the CTRNORST DD statement is specified for that step, there is no previous step from which the restart can be attempted, so the restart fails.
Corrective Action: No action is required.

CTR185E ERROR IN PROCESSING OF "IF/THEN/ELSE" JCL CARD FOR STEP
stepName PROCSTEP procStepName

Explanation: An internal error occurred during Control-M/Restart analysis of the ‘IF/THEN/ELSE’ job JCL
statements.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on the
Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR
step.

Corrective Action: Report the problem to BMC Software Customer Support.

Messages CTR200 through CTR2xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and
Control-M/Restart products.

CTR220E ENQ OF DATASET dsn FAILED

Explanation: Control-M/Restart attempted to enqueue a data set, but the enqueue failed because the
data set was already enqueued by another MVS task.

Control-M/Restart terminates the job.

Corrective Action: Determine which other tasks in the system are using the data set. Have it relinquish
control of the data set, and restart the job.

CTR230S INVALID "STEP ADJUSTMENT" INDICATOR - val

Explanation: The Step Adjustment indicator specified in the parameters for the CONTROLR step does
not contain a valid value.

The CONTROLR step terminates with a non-zero condition code or with an abend code depending on the
Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR
step has terminated.

Corrective Action: Correct in the JCL the value of the Step Adjustment parameter passed to the
CONTROLR job step.

CTR235I opn REQUEST FROM PROCSTEP procStep PGMSTEP pgmStep TO
PROCSTEP procStep PGMSTEP pgmStep

Explanation: This information message indicates that the input parameters of the job step EXEC
statement were interpreted, and the FROM and TO procedure and program steps were determined by
Control-M/Restart.

The operation identified in the message, could be RESTART, NCT2, or CLEANUP. The FROM pgmstep is
always present while the other steps may be blank. If the TO procstep is present, the TO pgmstep is also
present. If the steps specified by the user were symbolic, for example, $FIRST, in the message the names
of the steps will be the actual JCL steps determined by Control-M/Restart.

Corrective Action: No action is required.
Messages CTR300 through CTR3xx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and
Control-M/Restart products.

CTR301I varName

**Explanation:** This information message passes information from the original run of a job to subsequently
restarted runs. It is not intended to provide information to the user. When Control-M/Restart optional
installation feature WR0204 is enabled, one or more of these information messages may appear in the
JES system output or the console hardcopy log. These messages only appear in job runs that were not
restarted. The contents of the message is variable.

**Corrective Action:** No action is required.

CTR302W GETMAIN ERROR IN CTRSTAT

**Explanation:** Insufficient memory to perform enhanced GDG handling. This message can only occur if
optional installation feature WR0204 is enabled. The message does not occur for restarted jobs. If this
message occurs, subsequent reruns of the job may be adversely affected because GDG adjustment could
be incorrect.

The CONTROLR step continues running, but subsequent restarted jobs may perform GDG adjustment
incorrectly.

**Corrective Action:** Increase the REGION size parameter on the JCL JOB or EXEC statement. If the job
must be restarted and if GDG adjustment must be performed, the WR0204 feature should be disabled
until the rerun is complete.

CTR303I POST-SYSTEM CRASH ANALYSIS: SCAN ALL DASD TO SEARCH
FOR UNCATALOGED DATASETS FROM THIS JOB?

**Explanation:** This information message indicates that a system crash occurred during the original run of
this restarted job, and asks if a DASD scan should be performed. Message CTR304I requests a reply
regarding the scan.

**Corrective Action:** Reply to WTOR message CTR304I.

CTR304I REPLY "YES" TO SCAN, "NO" TO BYPASS SCAN, OR "CAN" TO
CANCEL THE JOB

**Explanation:** This information message follows message CTR303I.

The system waits for the user response.

**Corrective Action:** Enter one of the following:
- **YES** - Scan all DASD to search for uncataloged data sets for this job.
- **NO** - Bypass the scan. Control-M/Restart will not search for uncataloged data sets but this may cause problems while running the job.
- **CAN** - Cancel the job.

**CTR305I** NCT2 CONDITION DETECTED - JOB FLUSHED

**Explanation:** This information message indicates that CONTROLR detected an NCT2 problem for a job scheduled with NCT2 option F (FLUSH). If parameter NCT2 is set to F in a job scheduling definition, then the job is not executed when CONTROLR detects an NCT2 condition for the job.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on CONTROLR installation parameter ABNDTYP. The job terminates after the CONTROLR step.

**Corrective Action:** Manually DELETE and UNCATALOG data sets that cause the NCT2 condition, or change parameter NCT2 from F to Y so that CONTROLR will DELETE and UNCATALOG such data sets. Then, rerun the job.

**CTR306I** REMOVE VOL=REF REFERENCE FROM THE DD CARD.

**Explanation:** IGNVOLRF = Y is specified in the CTRPARM member. Control-M/Restart does not do step adjustment to resolve the DD card for a tape data set whose volume is specified by a backward reference (VOL=REF in DD card) to a previous step that is not to be executed during Restart. The message is followed by message CTR038I, which describes the data set name.

In the first DD card of a restarted step that allocates a tape volume specified by a backward reference, Control-M/Restart removes the backward reference, that is, the VOL=REF parameter. If a volume name was resolved or extracted (from history or JCL), then Control-M/Restart adds the VOL=SER parameter using the resolved or extracted volume name and issues message CTR094l.

In subsequent DD cards pointing to the same volume (by a VOL=REF backward reference), Control-M/Restart changes the reference so that it points to an executed DD card (that is, a DD card belonging to a restarted step) allocating the same volume. For every such subsequent DD card, Control-M/Restart issues message CTR307I.

If the volume name was not found and the first executed DD that allocates this volume has a label number greater than one, then Control-M/Restart changes the label number to one (it assumes that the restart run uses another volume) and shifts the LABEL numbers of subsequent DD cards points to the same volume, respectively. For every DD card whose LABEL was changed, Control-M/Restart issues message CTR308l.

**Corrective Action:** To make Control-M/Restart always do step adjustment to resolve the DD card for a tape data set whose volume is specified by a backward reference (VOL=REF in DD card) to a previous step that is not to be executed during Restart, keep the parameter IGNVOLRF = N (default) in the CTRPARM member.

**CTR307I** CHANGE VOL=REF REFERENCE TO THE FIRST DD ALLOCATED DURING THE JOB RUN - DD= **ddName**, STEP= **stepName**, procstepName.

**Explanation:** IGNVOLRF = Y is specified in the CTRPARM member. See the description of message CTR306I for more information. The message is followed by message CTR038I, which describes the data set name.
Corrective Action: No action is required.

CTR308I CHANGE LABEL= PARAMETER VALUE FOR TAPE DATASET FROM oldLabelNumber TO newLabelNumber.

Explanation: IGNVOLRF = Y is specified in the CTRPARM member. See the description of message CTR306I for more information. The message is followed by message CTR038I, which describes the data set name.

Corrective Action: No action is required.

CTR309I CHANGE THE DISPOSITION OF THE DATASET TO DISP=OLD

Explanation: The DD card (specifying the NEW data set) fits the definition in the $KEEP member of CTR PARM library. Therefore, Control-M/Restart handles the DD card or data set as a Checkpoint data set. See the Control-M/Restart User Guide for more information regarding the $KEEP member. The message is followed by message CTR038I, which describes the data set name.

The Checkpoint data set is not deleted by Control-M/Restart. To prevent JCL error and NCT2 problems, Control-M/Restart may change the disposition in the DD card specifying a Checkpoint data set.

If the JCL of a job contains a DD statement in which the parameter DISP is set to NEW, and the corresponding Checkpoint data set already exists when Control-M/Restart is invoked, Control-M/Restart automatically changes the value of the DISP parameter to OLD.

Corrective Action: No action is required.

Messages CTR500 through CTR5xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTR555S OID= orderId INSUFFICIENT STORAGE. INCREASE THE REGION SIZE

Explanation: There was insufficient memory to perform a task.

The action that could not be performed accompanies this message. It may vary depending on the environment in which the message was issued.

Corrective Action: For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter or exit one of the screens.

Messages CTR900 through CTR9xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTR913S OPEN OF DDNAME "SYSPRINT" FAILED

Explanation: The opening of a print file failed.

Possible causes are:
The DD statement SYSPRINT is missing.

The data set described by the DD statement SYSPRINT cannot be accessed for sequential write.

The program stops executing.

Corrective Action: Correct the JCL and submit again.

Messages CTRC00 through CTRCxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTRC001 ARCHIVED FILE NOT FOUND

Explanation: The archived file required to perform a Control-M/Restart Simulation or Data Set Cleanup could not be found. To perform a RESTART or NCT2 Simulation (CLIST CTRCSIM) or Data Set Cleanup (CLIST CTRCCLN), Control-M/Restart must locate the archived file corresponding to the member name of the job and unique order ID of the job.

This file could not be located for one of the following reasons:

1. The order ID specified in the main panel of CTRCSIM or CTRCCLN is not the correct order ID for the specified member name.
2. The specified member name does not exist on the AJF.
3. Although the simulated job still exists on the AJF, its corresponding archived file was deleted manually.

Note:

If the relevant entry is deleted from the AJF, the archived file is deleted automatically during the running of the Control-M New Day procedure.

Corrective Action: Identify the cause of the problem, and then correct it, as follows:

4. Check whether or not the specified order ID is the correct one, by issuing command ORDERID (PF12 or PF21) in the Active Environment screen. The order ID for each entry is displayed in the STATUS field.
5. Verify that the specified member name matches the member name of the job to be simulated or cleaned-up.
6. If the relevant job entry still exists on the AJF, and the New Day procedure did not delete the archived file, the file may have been manually deleted by mistake. In this case, simulation or cleanup cannot be performed.

CTRC002 CONTROL-M/RESTART ARCHIVED FILE FOR THIS JOB WAS PROBABLY DELETED

Explanation: The system attempted to access an archived sysout associated with the Active Job file entry being processed, but could not find it. Further processing of the job is impossible.

The job is not processed.

Corrective Action: Manual intervention is required to restart the job.
Messages CTRX00 through CTRXxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTRX01E ERROR OPENING FILE, DDNAME sysprint

**Explanation:** An error opening file occurred in the CTMJDS utility. The CTMJDS utility is invoked when necessary to create data set cross-reference records in statistic file.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Add the SYSPRINT DD statement to the CTMJDS utility, and rerun the job.

CTRX02E SYSTEM INTERFACE ERROR

**Explanation:** An error occurred in the CTMJDS utility. The error occurs when the return codes from the IBM TIME macro are not zero.

The CONTROLR step terminates with a nonzero condition code or with an abend code, depending on the Control-M/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step.

**Corrective Action:** Contact BMC Software Customer Support for assistance.

CTT messages

This group includes messages for the Control-M/Tape product.

Messages CTT0 through CTT0xx

This group includes messages for the Control-M/Tape product.

CTT001S INTERNAL ERROR - REASON = rsn. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Processing failed due to internal error for the specified reason. The program stops executing.

**Corrective Action:** Ask your INCONTROL administrator to notify BMC Software Customer Support.

CTT002S TASK taskName WAS CANCELED BY OPERATOR

**Explanation:** The specified task was canceled by an operator MVS CANCEL command. The job or started task stops executing.

**Corrective Action:** No action is required.
INCONTROL for z/OS Messages Manual

CTT003S CONTROL-M/TAPE REAL-TIME ENVIRONMENT IS NOT ACTIVE

**Explanation:** The Control-M/Tape real-time environment exists but its status is not active, for example, SUSPEND or DORMANT. This message is issued by every component that requires an active environment to perform its function.

The requested Control-M/Tape function is not performed.

**Corrective Action:** Activate Control-M/Tape by starting the CTTINIT procedure with a PARM=RESUME statement before using this function.

CTT004S UNABLE TO LOCATE CONTROL-M/TAPE REAL-TIME ENVIRONMENT TABLE

**Explanation:** Control-M/Tape was not initialized in this CPU. The message is issued by every component that requires an active environment to function.

The requested Control-M/Tape function is not performed.

**Corrective Action:** Initialize Control-M/Tape by starting the CTTINIT procedure before using this function.

CTT005W LOAD OF USER EXIT exitName FAILED. EXIT DISABLED

**Explanation:** Loading of the specified user exit by Control-M/Tape failed.

This could be due to one of the following:

- The installation is not using this user exit and erased the default exit supplied with Control-M/Tape.
- IOA Load library is not in the load modules search list of the job (STEPLIB and Linklist).
- There is insufficient storage to load the exit.
- Another system-oriented reason. Check the MVS system log.
- A security violation was attempted.

No user checking is performed for the rule order.

**Corrective Action:** Notify your INCONTROL administrator.

CTT006E MEMBER memName NOT FOUND IN LIBRARY lib

**Explanation:** The requested member is not found in the requested library. This message may occur when the CTTINIT procedure tries to load the rules according to the rules order list specified by the DARULLST DD statement.

The requested rule is not loaded.

**Corrective Action:** Correct the member or library name in the rules order list, and restart the CTTINIT procedure.

CTT007S INSUFFICIENT STORAGE IN (EXTENDED) CSA

**Explanation:** There is insufficient storage available in the Extended Common Service Area (CSA) to load Control-M/Tape modules or tables.
If the problem occurs during the initialization process, initialization stops. If the problem occurs during a reload function, Control-M/Tape will continue to work with the existing module or table.

**Corrective Action:** Check why there is insufficient CSA. You may need to contact your systems programmer. After correcting the problem, reload the table or restart Control-M/Tape as necessary.

**CTT008W dsn DATASET FREESPAC...**

**Explanation:** The number of free records in the file is below the specified utilization \( nn \% \) threshold that was set at installation. Normal processing continues.

**Corrective Action:** Depending on the specified data set either:
- Enlarge the file for the Media Database (MDB) or Stacking Database.
- Run the MDB backup utility to recycle the space for the Trace file.

**CTT009S TRC DATASET FULL - MDB BACKUP REQUIRED**

**Explanation:** The Trace file is full; therefore, no Media Database (MDB) updates are allowed. The Trace file keeps every update to the MDB, mainly for recovery purposes. When the Trace file becomes full, updates to the MDB are not allowed, since they may cause data to be lost. However, when a backup is made to the MDB, the Trace file data is no longer critical, so new MDB updates can overwrite old records in the Trace file. The currently executing function stops.

**Corrective Action:** Run the MDB backup utility, then rerun the failed job.

**CTT010E MEDIA media DOES NOT EXIST IN CTTPARM**

**Explanation:** The specified media is not defined. All media names must be defined in the CTTPARM installation member. The function that is currently executing stops.

**Corrective Action:** Either specify a media already defined in the CTTPARM member, or add the media name to CTTPARM.

**CTT011I TRACE LEVEL IS TURNED OFF**

**Explanation:** This information message indicates that the debug level of Control-M/Tape was turned off as a result of the TRACELVL=0 parameter. Normal processing continues.

**Corrective Action:** No action is required.

**CTT012S action FAILED FOR MODULE modName**

**Explanation:** The specified action (LOAD, BLDL, FIND) for the \( modName \) module failed. During the Dynamic Interface Process, the \( modName \) module was not found in the STEPLIB library nor in SYS1.LPALIB. The currently executing function stops.
Corrective Action: Ensure that the module exists in the STEPLIB or SYS1.LPALIB library.

CTT013S FUNCTION CATALOG NOT SUPPORTED IN THIS MVS RELEASE

Explanation: An attempt was made to catalog the data sets of an external volume, but the MVS release does not support IEFEB4UV. Cataloging of the data set failed because Control-M/Tape performs online cataloging of a data set of an external volume by means of the look up value of the unit name. IEFEB4UV, which retrieves this information, was not available in early versions of the operating system.

The ENTER command was issued to add an external volume to the Media Database. In addition, Y was entered in the MVS CATALOG field to catalog the data sets of the external volume. The ENTER command triggers both cataloging and adding of the volume to the Media Database, but the cataloging is performed before adding the volume.

The data sets are not cataloged, and the external volume is not added to the Media Database.

Corrective Action: To add the external volume, change the value in the MVS CATALOG field from Y to N.

CTT014W INVALID UNIT NAME unitName FOR MEDIA media

Explanation: The specified unit name is not defined in MVS tables. The specified media is defined in the CTTPARM installation member as unit unitName.

Normal processing continues.

Corrective Action: Check the media definition in the CTTPARM member.

CTT015I TRACE JOB IS SET TO jobName

Explanation: This information message indicates that since CTTINIT was started with the TRACEJOB parameter, the trace job of Control-M/Tape was assigned the name jobName. The trace job sets the job name for which trace messages, printed by some Control-M/Tape components, are issued.

Corrective Action: No action is required.

CTT016E PRINT LABEL ROUTINE FAILED. RC: rc

Explanation: The print label routine failed. This message is issued after control returns from the print label routine. The print label routine calls User Exit 9, which formats the label.

The print label routine issues one of the following return code values:

- 4 - Invalid return code. User Exit 9 returned an rc other than 0 or 4.
- 8 - Invalid label width. User Exit 9 set a label width that does not meet the 1 through 72 byte width restriction.
- 12 - Invalid label size. User Exit 9 set a label width and depth combination that exceeds the maximum print buffer size (2048 bytes).

Processing continues. The label is not printed.

Corrective Action: No action is required.
CTT017W CONTROL-M/TAPE IS NOT ACTIVE IN THE SYSTEM

Explanation: The Control-M/Tape real-time environment was terminated by operator request and is no longer active in the system.
No Control-M/Tape processing takes place.
Corrective Action: Check why Control-M/Tape was brought down, and if appropriate, start the CTTINIT procedure.

CTT018E INVALID REPLY: reply

Explanation: Control-M/Tape received an invalid reply to a WTOR message from the operator.
The WTOR message is issued again.
Corrective Action: Check the possible responses for the issued WTOR message, and respond to this message accordingly.

CTT019E SMS SUBSYSTEM ERROR: RC=rc, REASON= rsn

Explanation: An error was encountered when Control-M/Tape tried to interface with DFSMS.
Message variables are:

- rc -- The DFSMS subsystem return code.
- rsn -- The DFSMS subsystem reason code.
The Control-M/Tape to DFSMS cannot retrieve information from DFSMS.
Corrective Action: Call your INCONTROL administrator for assistance.

CTT020E CTT/SMS INTERFACE NOT ACTIVE

Explanation: Control-M/Tape tried to access DFSMS information as requested by a rule, but the interface to DFSMS is not active.
The requested function is not performed.
Corrective Action: Either remove the DFSMS reference from the Control-M/Tape rules (delete all ON MGMTCLAS rules) and the Control-M/Tape MDB records, or activate the Control-M/Tape SMS interface by setting SMSINTR to Y in the Control-M/Tape TCT table.

CTT021E SMS MANAGEMENT CLASS NOT FOUND

Explanation: The Management Class of a data set was not defined to DFSMS, and was probably deleted after the data set was created. When a data set is created, a Management Class is assigned to it.
Control-M/Tape cannot determine the volume expiration date.
Corrective Action: Define the Management Class in DFSMS, or update the data set record in the Control-M/Tape Media Database (MDB) and assign a Management Class to it.
CTT022E RULE APPLICATION FAILED. RC= rc, REASON= int_diag, ret_rc, vault_rc

Explanation: Control-M/Tape attempted to apply a rule to a data set or volume but the specified retention or vaulting information is not consistent with the relevant records in the Media Database.

The variables in this message are:

- **rc** -- Rule return code. Possible values:
  - 8 -- Insufficient memory.
  - 12 -- Attempt to apply retention or vaulting information failed.

- **int_diag** -- Internal diagnostic flags.

- **ret_rc** -- Retention information application return code. Possible values:
  - 4 -- Expiration date type not supported.
  - 12 -- Internal error.
  - 16 -- Expiration date is non-numeric.

- **vault_rc** -- Vaulting information application return code. Possible values:
  - 4 -- Expiration date type not supported.
  - 8 -- Insufficient memory.
  - 16 -- Expiration date is non-numeric.

If the message was issued by the Dynamic Dataset Stacking facility, the data set is not stacked. Otherwise, the retention and/or the vault pattern of the data set may be different from what was intended, because default retention may have been applied.

Corrective Action: Check the JCL EXPDT values for errors according to return codes, and do one of the following:

- If the message indicates a memory problem, increase the region size for the job which issued the message.
- If an invalid expiration date type was detected, check the values specified for the EXPDT parameter in the JCL DD statement.

If the problem persists, send a complete description of the problem to BMC Software Customer Support. Include the complete message, the job log of the problematic job, and a TI screen printout of the problematic volume and data set records.

CTT023E COULD NOT FIND FIELD fieldName FOR REQUESTED RECORD TYPE

Explanation: The user requested the display of an unrecognized field in the view definition of Media Database information on the z/OS console. Only fields that exist in the requested record type, volume or data set, can be specified. However, the specified field does not exist. The name may be misspelled.

The requested information is not displayed.

Corrective Action: Correct the field name in the view. For more information, refer to the Control-M/Tape chapter in the INCONTROL for z/OS Administrator Guide.
INCONTROL for z/OS Messages Manual

CTT046S BLDL/LOAD FAILED FOR THE MODULE "modName"

Explanation: Loading of the modName module failed.
Possible causes are:

- The IOA Load library is not in the load modules search list (STEPLIB + Linklist).
- There is insufficient memory.
- There is some other system-oriented reason, which may be found in the syslog.
Execution might stop.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.

CTT050S UNABLE TO BUILD TCT, RC= rc

Explanation: The Control-M/Tape Control Table could not be built dynamically.
In this message, rc is one of the following:

- 8 - IOAPARM or CTTPARM load failed.
- 12 - GETMAIN failed.

The IOA Functional monitor is terminated.

Corrective Action: Do one of the following, depending on the return code:

- If the return code is 8, check why the CTTPARM member or the IOAPARM member could not be loaded, and restart the Functional monitor.
- If the return code is 12, increase the region size of the IOA Functional monitor, and restart the Functional monitor.

CTT051W STARTING TO READ RECORDS FROM END OF TRACE FILE

Explanation: The IOA Functional monitor failed to identify the check point of the last record it processed from its trace file.
Processing of the IOA Functional monitor continues. Some of the last actions to be recorded in the Trace file before the error may not be performed.
Input records from the Control-M/Tape Trace file will be read starting from the last record in the Trace file.

Corrective Action: No action is required.

CTT070W ROUTINE routineName FAILED. RC= rc

Explanation: This message indicates that an internal error occurred in a certain routine. The significance of this error depends on the utility and the severity of the failure indicated by the return code (rc).
The variables in this message are:
• routine -- Routine in which the error occurred.
• rc -- Type of error.

Refer to the specific utility in the Control-M/Tape User Guide to determine whether processing continues or stops.

**Corrective Action:** Examine the return code of the utility when it stops, and proceed accordingly. If you cannot continue, refer the problem to the INCONTROL administrator.

CTT072I UTILITY util IS RUNNING IN {SIMULATION | R-SIMULATE} MODE

**Explanation:** This information message indicates that the specified Control-M/Tape utility is running in either simulation mode (SIMULATION) or simulation restart mode (R-SIMULATE).

**Corrective Action:** No action is required.

CTT073I *

**Explanation:** The asterisk in this message is positioned directly below the error in the previous CTT700I message to show the location of the error.

The utility stops.

**Corrective Action:** Remove or fix error and try again.

CTT074E SERVICE svc FAILED. RC= rc, REASON= rsn

**Explanation:** The specified external service called by the executing utility has failed. The executing utility returns return code rc and reason code rsn.

Possible values for the service (svc), return code (rc) and reason (rsn) are:

<table>
<thead>
<tr>
<th>Value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCTLOAD</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Cannot load CTTPARM or IOAPARM</td>
</tr>
<tr>
<td>12</td>
<td>Insufficient region</td>
</tr>
<tr>
<td>INITPARS</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Insufficient region</td>
</tr>
<tr>
<td>INITINC</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Insufficient region</td>
</tr>
<tr>
<td>36</td>
<td>Insufficient region</td>
</tr>
<tr>
<td>BLDINC</td>
<td></td>
</tr>
</tbody>
</table>
### Value | Explanation
--- | ---
8 | Too many INCLUDE statements
16 | Invalid value passed in INCLUDE statement
20 | `<, >` not allowed in this context
24 | Invalid value for a date field
28 | Invalid format in a date field

**CTTRBD**

| Value | Explanation |
--- | ---
4 | RETRY scheduled
8 | DD statement missing or open error
12 | Load failed for one of the following modules: CTTX008, automated tape library interface exit (for example, if you set RBTTYPE to SMST/IBMT in the CTTPARM member, make sure exit CTTOAM has been compiled and exists in the IOA.load library)
16 | Internal. Contact BMC Software Customer Support
20 | Internal. Contact BMC Software Customer Support
14 | Error returned from automated tape library interface exit
28 | Contradicting volume status in the media database
32 | Internal. Contact BMC Software Customer Support
36 | Error when trying to read volume record

Other | Program or system error

The utility stops execution.

**Corrective Action:** Correct the problem according to the reason listed in the table above and rerun the utility. If you cannot correct the problem, contact BMC Software Customer Support.

#### CTT075E DUPLICATE USE OF `{STATEMENT | KEYWORD}` `{ stmt|keywd }`

**Explanation:** A utility encountered duplicate use of a stmt statement or keywd keyword. The statement or keyword listed in the message can only be specified once.

The utility stops execution.

**Corrective Action:** Remove the extraneous statement or keyword.
CTT076E MANDATORY {STATEMENT | KEYWORD} { stmt|keywd } IS MISSING

Explanation: The stmt statement or keywd keyword is mandatory, but was not found in the input to the executing utility. The stmt statement or keywd keyword does not have a default, and must be specified to the utility.

The utility stops execution.

Corrective Action: Specify the required statement or keyword in the input to the utility.

CTT077E NO KEYWORDS FOUND

Explanation: A utility encountered a statement for which no keywords were specified. The statement listed in a previous message must have at least one keyword specified.

The utility stops execution.

Corrective Action: The statement was probably specified incorrectly. Check the syntax and make sure that the appropriate keywords are used for this statement.

CTT078E INVALID VALUE SPECIFIED FOR KEYWORD keywd

Explanation: An invalid value was specified for one of the keywords in the input to a utility.

In this message, keywd is the keyword with the problematic value.

The utility stops execution.

Corrective Action: Fix the value of the specified keyword and rerun the utility.

CTT079E INVALID OR UNKNOWN {STATEMENT | KEYWORD}

Explanation: A utility encountered an invalid statement or keyword. The previous CTT700I message specifies the line in which the error occurs.

The utility stops.

Corrective Action: Check earlier messages for more information. Then, remove or fix the invalid statement or keyword, and try again.

CTT080W VOLUME (volser) EXCLUDED FROM OPERATION TO PREVENT MDB INTEGRITY ERRORS

Explanation: The CTTSPL utility encountered a request to COPY or MOVE a volume (the volser volume) that is part of a chain.

If a volume is removed from a chain, the MDB is corrupted. If the copied volume is MERGED into another MDB, the MDB into which it is merged is also corrupted.

The volser volume is excluded from the COPY or MOVE operation. The utility continues processing.

Corrective Action: BMC Software recommends that you do one of the following:
When ordering a MOVE or COPY operation, ensure that you do not specify any volume that is part of a chain.

If you must perform a MOVE or COPY operation on a volume that is part of a chain, ensure that all the volumes in the chain are specified.

CTT084I NO REPORT STATEMENT SUPPLIED. REPORT NOT GENERATED.

Explanation: There is no REPORT statement for the utility.
The utility continues processing, but no report is displayed.
Corrective Action: No action is required.

CTT085I num RULES GENERATED

Explanation: This information message is displayed when the CTTSCA utility finishes processing. During the search for tape contentions, the CTTSCA utility generated num rules to prevent detected contentions from happening in the future. Rules created by the CTTSCA utility prevent data sets that should be processed simultaneously, from being stacked on the same volume.
For more information about the CTTSCA utility, see the INCONTROL for z/OS Utilities Guide.
Corrective Action: No action is required.

CTT086I num POSSIBLE CONTENTIONS DETECTED

Explanation: This information message is displayed when the CTTSCA utility finishes processing. During the search for tape contentions, the CTTSCA utility detected num possible contentions. Any two data sets processed simultaneously are considered in possible contention, if at least one of them was opened for OUTPUT. This message is accompanied by message CTT085I.
For more information about the CTTSCA utility, see the INCONTROL for z/OS Utilities Guide.
Corrective Action: No action is required.

CTT087I num STACKABLE DATASETS FOUND

Explanation: This information message is displayed when the CTTSTKR utility finishes processing. It indicates that num data sets were identified as stackable by the CTTSTKR utility.
For more information about the CTTSTKR utility, see the INCONTROL for z/OS Utilities Guide.
Corrective Action: No action is required.

CTT088E INVALID OR UNKNOWN {STATEMENT | KEYWORD} ON LINE lineNum, COLUMN col_num OF ABOVE STATEMENT

Explanation: A utility encountered an invalid statement or keyword. This message follows message CTT700I, and specifies the line and column in which the error occurred.
The utility stops.
Corrective Action: Remove or fix the invalid statement or keyword and try again.
CTT096E SCRATCH VOLUME, BUT LAST LABEL NUMBER IS NOT ZERO

**Explanation:** A non-specific (scratch) request was made, but the volume that was mounted is unsuitable for one of the following reasons:

- The volume already contains one or more active data sets.
- The volume status is incorrectly set.
- The last data set number on the scratch volume is greater than zero.

The specified volume is rejected and another volume is requested.

**Corrective Action:** Mount a scratch volume.

CTT098E TAKING LOCK OF ASVT BY FORCE

**Explanation:** An error was encountered while the Control-M/Tape real-time environment was trying to synchronize between subtasks of the same address space.

One of the subtasks of the address space is granted access to one of the Control-M/Tape control blocks without synchronizing this access with the other subtasks.

**Corrective Action:** Call your INCONTROL administrator for assistance.

Messages CTT100 through CTT1xx

This group includes messages for the Control-M/Tape product.

CTT100A msgText

**Explanation:** A tape mount request was detected. This MVS message is displayed when waiting for a tape to be mounted. The tape can be specific or nonspecific (scratch). This message may contain additional information added by means of the MSGFMT parameter defined in the CTTPARM member.

The message ID was changed from the original MVS message ID by means of the CNGMSGID parameter in the CTTPARM member. The original IBM message ID was IEC101A, IEC501A/E, or IEF233A/D. See the appropriate IBM documentation for more information.

**Corrective Action:** Mount the requested tape.

CTT101A msgText

**Explanation:** A request was made to mount a scratch tape from a specific pool. This MVS message is displayed when waiting for a nonspecific (scratch) tape with the volser field containing a specific pool name, instead of SCRTCH or PRIVAT, to be mounted.

The message ID was changed from the original MVS message ID by means of the CNGMSGID parameter in the CTTPARM member. The original IBM message ID was IEC101A, IEC501A/E, or IEF233A/D. See the appropriate IBM documentation for more information.

**Corrective Action:** Mount a tape from the requested pool.
CTT102A msgText

Explanation: A request was made to remove the specified volume from the tape device. This MVS KEEP message is displayed when the tape must be removed. This message may contain additional information added by means of the MSGFMT parameter defined in the CTTPARM member.

The message ID changed from the original MVS message ID by means of the CNGMSGID parameter in the CTTPARM member. The original IBM message ID was IEC111E, IEC502E, or IEF234E. See the appropriate IBM documentation for more information.

Corrective Action: Remove the specified volume from the tape device.

CTT103A msgText

Explanation: A request to mount a tape was detected. This JES3 message is displayed when waiting for a tape to be mounted. The tape can be specific or nonspecific (scratch). This message may contain additional information added by means of the MSGFMT parameter defined in the CTTPARM member.

The message ID was changed from the original JES3 message ID by means of the CNGMSGID parameter in the CTTPARM member. The original message ID was IAT5210.

Corrective Action: Mount the requested tape.

CTT104A msgText

Explanation: A request was made to mount a scratch tape from the specified pool. This JES3 message is displayed when waiting for a nonspecific (scratch) tape with the volser field containing a specific pool name, instead of SCRTCH or PRIVAT, to be mounted.

The message ID was changed from the original JES3 message ID by means of the CNGMSGID parameter in the CTTPARM member. The original message ID was IAT5210.

Corrective Action: Mount a tape from the requested pool.

CTT105A msgText

Explanation: A request was made to remove the specified volume from the tape device. This JES3 KEEP message is displayed when a tape must be removed. This message may contain additional information added by means of the MSGFMT parameter defined in the CTTPARM member.

The message ID was changed from the original JES3 message ID by means of the CNGMSGID parameter in the CTTPARM member. The original message ID was IAT5410.

Corrective Action: Remove the specified tape from the tape device.

CTT106S INTERNAL ERROR IN CONTROL-M/TAPE SVC. CODE: rc

Explanation: An internal error occurred during Control-M/Tape real-time processing.

The job or task is abended.

Corrective Action: Have your INCONTROL administrator notify BMC Software Customer Support.
CTT107E unit, FILES WITH HIGHER SEQUENCE NUMBERS EXIST ON VOLUME volser (ddName, seqNumber)

Explanation: An attempt was made to write a file with sequence number seqNumber on a tape volume while another data set with a higher file sequence number exists on the volume.

The job is abended.

Corrective Action: Correct the JCL and rerun the job.

CTT108E unit, PREVIOUS FILE DOES NOT EXIST ON VOLUME volser (ddName, seqNumber)

Explanation: An attempt was made to write a file with a specified sequence number (seqNumber) on a tape volume but the preceding file sequence number does not exist on the volume.

The job is abended.

Corrective Action: Correct the JCL and rerun the job.

CTT109E unit, CONFLICT WITH MDB DSN: dsn (volser, seqNumber)

Explanation: An attempt was made to read a data set with a different name than the name (dsn) recorded in the Control-M/Tape MDB.

The job abends.

Corrective Action: Correct the JCL and rerun the job.

CTT110E unit, DATASET NOT FOUND IN MDB: dsn (ddName)

Explanation: An attempt was made to read a data set that is not in the Control-M/Tape database, and dynamic data set definition is not allowed (DYNDS is set to N in the CTTPARM member).

The job is abended.

Corrective Action: Correct the JCL, and rerun the job.

CTT111E unit, JOB FAILED BY USER EXIT #3 (ddName)

Explanation: An abend was requested from local exit #3.

The job is abended.

Corrective Action: Notify your system programmer.

CTT112A unit, jobName, VOLUME volser NOT IN MDB. REPLY Y - DEFINE, E - EXTERNAL, I - IGNORE OR N - action

Explanation: A mount request was issued for a volume (VOLSER) that is unknown to Control-M/Tape. The specified volume is probably not on-site. This message is issued only if the DYNVOL parameter is set to P (Prompt) in the CTTPARM member.

The jobName job waits for a reply.

Corrective Action: Reply with one of the following values:
Y - Control-M/Tape dynamically defines the volume in its database.

E - Control-M/Tape dynamically defines the volume in its database. The volume will be marked as External.

I - This volume and its data sets should be ignored, as if EXPDT=98000 was specified in the JCL. This value is not available for the first volume in a chain and for single volumes which are not part of a chain.

N - If this is a specific tape request, the job is abended. If this is a nonspecific tape request, the volume is rejected and a new volume is requested.

CTT113A unit, jobName, VOLUME volser IN VAULT vault. REPLY U - USE OR A - ABEND

Explanation: The database indicates that the volume (volser) requested for mounting is in a remote vault, and the mount request is probably a user error.

Job jobName waits for a reply.

Corrective Action: Reply with one of the following values:

- U - Control-M/Tape should allow the job to continue. Information will be recorded as usual, but the volume status remains vaulted.

- A - The program should abend.

CTT114A unit, ENTER VOLSER FOR {NL | BLP} REQUEST

Explanation: A tape without a label is mounted on the specified unit. This message requires confirmation that the correct volume is mounted, since there is no label information.

Control-M/Tape waits for a reply.

Corrective Action: Specify the VOLSER of the volume mounted on the unit. If this is the same VOLSER as that specified in the user JCL, the job continues normally. Otherwise, after another confirmation, the volume is rejected and the correct volume is requested.

See the section that describes the NL and BLP options for volume processing in the chapter on organization and administration of the Control-M/Tape User Guide.

CTT115S INVALID RETURN CODE (rc) FROM USER EXIT exit_num

Explanation: An invalid return code was returned from the specified exit. The exit in this message can be Exit 3, 4, or 5. The return code (rc) was not in accordance with the documented interface.

If the invalid return code was sent by Exit 4, the job continues. If the invalid return code was sent by either Exit 3 or Exit 5, the job abends.

Corrective Action: Have your system programmer check the specified exit.

CTT116S ABEND IN USER EXIT exit_num

Explanation: The exit_num user exit abended.

The job is abended.
INCONTROL for z/OS Messages Manual

**Corrective Action:** Have your system programmer check the specified exit.

CTT117S ABEND IN MODULE *modName*, E.P: *add* OFFSET: *offset*

**Explanation:** An abend occurred in the Control-M/Tape real-time environment. This message identifies the module, its entry point, and the offset of the error.

The job is abended.

**Corrective Action:** Notify BMC Software Customer Support.

CTT118E unit, FILE ALREADY EXISTS: *dsn (ddName)*

**Explanation:** An attempt was made to overwrite an existing data set with a different name than its current name (*dsn*). A recreate was requested for a DSNAME on a label that has a different DSNAME than the requested DSNAME.

The job is abended.

**Corrective Action:** To recreate, correct the JCL and rerun.

CTT119E unit, RECREATE WITH DISP=NEW: *dsn (ddName)*

**Explanation:** An attempt was made to recreate an existing data set with DISP set to NEW. Recreate is permitted only with DISP set to OLD.

The job is abended.

**Corrective Action:** If recreate is desired, correct the JCL and rerun.

CTT120E unit, RECREATE ON A PERMANENT DATASET: *dsn (ddName)*

**Explanation:** An attempt was made to recreate a data set with Permanent retention. Recreate is permitted only with other types of retention.

The job is abended.

**Corrective Action:** If recreate is desired, change the retention specification of this data set.

CTT121I LAST CHKPT IN SVC: *svc* INTERCEPT: *id* RELEASE: *ver* LEVEL: *lev*

**Explanation:** This information message identifies the last checkpoint in the Control-M/Tape real-time environment module, and may be accompanied by additional messages.

The variables in this message are:

- *svc* -- Last checkpoint reached before the service interruption.
- *id* -- Function internal ID.
- *ver* -- Version number of the currently installed Control-M/Tape.
- *lev* -- Level number of the Control-M/Tape real-time environment module.

**Corrective Action:** Look for previous error or warning messages.
CTT122E unit, NON-POOL REQUEST RECEIVED VOLUME volser FROM POOL: poolName

Explanation: A nonspecific request (scratch request) received a volume from the indicated pool although the request was for a non-pool volume.

The volume is rejected and another volume is requested.

Corrective Action: Mount a scratch volume which is not part of a pool or check the DO POOL statement in the matching rule.

CTT123E unit, NON-POOL VOLUME volser FOR POOL REQUEST: poolName

Explanation: A nonspecific request (scratch request) for the specified pool received a volume that does not belong to any pool.

The volume is rejected and another volume is requested.

Corrective Action: Mount a scratch volume from the specified pool.

CTT124E unit, REQUEST FOR POOL poolName RECEIVED VOLUME volser FROM POOL poolName

Explanation: A nonspecific request (scratch request) for the specified pool received a volume from another pool.

The volume is rejected and another volume is requested.

Corrective Action: Mount a scratch volume from the correct pool.

CTT125E unit, volser NOT A SCRATCH VOLUME

Explanation: A nonspecific (scratch) request on the specified unit received a non-scratch volume.

The specified volume is rejected and another volume is requested.

Corrective Action: Mount a scratch volume.

CTT126E unit, volser MARKED DELETED

Explanation: A nonspecific request (scratch request) on the specified unit received a volume which is marked as deleted (out of service).

The specified volume is rejected and another volume is requested.

Corrective Action: Mount another scratch volume.

CTT127I unit, volser, TEMPORARY DATASET (ddName)

Explanation: This information message indicates that a temporary data set is being written on the specified volume.

Corrective Action: Return the volume to the scratch pool right after its use.
CTT128E  ddName INVALID EXPDT VALUE expdt. RC: rc

**Explanation:** An invalid expiration date (EXPDT) was specified in the JCL. Usually this message is caused by setting EXPDT to 970 xx, which is not supported by Control-M/Tape.

The variables in this message are:
- **ddName** - the DD statement that contains the invalid date
- **expdt** - the invalid expiration date
- **rc** - the return code

Possible values for **rc** are:
- 4 - expiration date type not supported
- 16 - expiration date in an invalid format, such as
  - nonnumeric
  - yy000
  - yyyy/000

The EXPDT value is ignored and the data set is given a default retention.

*Note:* 
The EXPDT value is expressed in internal format.

**Corrective Action:** No action is required.

CTT129I unit, VOLUME volser IN {LOCAL VAULT: vaultName, SLOT: slotNumber| OUT LOCATION: loc }

**Explanation:** This information message indicates that the tape requested for mounting (volser) is located in the specified location.

**Corrective Action:** No action is required.

CTT130E unit, VOLUME volser NOT IN MDB

**Explanation:** The specified volume is not defined in Control-M/Tape's Media database. Possible causes are:
- Dynamic Volume Definition is disabled (DYNVOL is set to N in the CTTPARM member).
- N (Abend) reply to message CTT112A.

**Corrective Action:** Specify EXPDT=98000 in the JCL, or define the volume in the Media database using CTTDLD utility, and rerun the job.

CTT131W unit, VOLUME volser IN USE BY JOB jobName

**Explanation:** The indicated volser is marked in use by the specified job. Possible causes are:
A system or program crash left the 'in use' indicator turned on. This occurs when a data set being written does not go through a complete CLOSE process. In this case, the volume remains 'in use'. For example, in the case of a system abend 837, when a demount has occurred for a multi-volume data set but a new mount is disallowed because the file is on more than the maximum number of volumes, a full CLOSE will not occur, and the volume remains 'in use'. In most cases, a cancel command will cause CLOSE processing to occur, but it depends on exactly when the job was canceled. The IEC205I message in the job log will indicate that the job went through a full CLOSE process.

During online stacking processing, the 'in-use' bit is temporarily set to prevent other jobs from allocating the volume while online stacking is examining the specific volume.

Corrective Action: Do the following:
- To reset this bit, run the CTTIDB utility in repair mode.
- Then run the CTTMUP utility to perform the repair.

CTT132E unit, EDM TRYING TO WRITE ON NON-EDM VOLUME volser

Explanation: An EDM (External Data Manager) is trying to write a data set on a non-scratch volume which is not marked as an EDM Volume. An EDM can only write data on scratch volumes afterwards marked as EDM Volumes, or non-scratch volumes already marked as EDM Volumes.

The job is abended.

Corrective Action: Check the rules regarding EDM. Verify that they have not been changed in a way that caused this problem.

CTT133E unit, NON-EDM TRYING TO WRITE ON EDM VOLUME volser

Explanation: A job that is not an EDM (External Data Manager) is trying to write on a volume that is marked as an EDM Volume. Only an EDM is allowed to write on volumes that are marked as EDM Volumes.

The job is abended.

Corrective Action: Correct the job and rerun.

CTT134A unit, jobName, CONTROL-M/TAPE ENVIRONMENT DOES NOT EXIST. REPLY A - ABEND, R - RETRY OR U - CONTINUE

Explanation: A job is trying to process data on tape, while the Control-M/Tape real-time environment does not exist or is still initializing. Control-M/Tape real-time environment is started by the CTTINIT procedure. No tape processing is allowed while Control-M/Tape is down, unless Control-M/Tape MVS intercepts are disabled.

The job waits for a reply.

Corrective Action: Reply with one of the following values:
A -- Abend this job.
R -- Retry to find Control-M/Tape environment. This option enables you to start CTTINIT and then reply Retry.
U -- Bypass Control-M/Tape for the processing of this data set. In this case, Control-M/Tape does not record or protect any information affected by this job while processing this data set.

CTT135A unit, jobName, 98000 REQUEST FOR MDB VOLUME volume, REPLY ‘U’ - IGNORE, ‘A’ - ABEND OR ‘F’ - FORCE

Explanation: A job specified EXPDT=98000, Control-M/Tape bypass, for a controlled volume. Specifying EXPDT=98000 for a controlled volume is not recommended, because Control-M/Tape cannot enforce data integrity. The job waits for a reply.
Corrective Action: Reply with one of the following:
- U -- Continue. Ignore the bypass request.
- A -- Abend the job.
- F -- Bypass Control-M/Tape for processing of this data set. In this case, Control-M/Tape does not record or protect any information affected by this job while processing this data set.

CTT136E unit, volser MARKED IN AN OUT LOCATION

Explanation: The operator mounted a volume marked “out of the library” in response to a request to mount a scratch tape.
The volume is rejected. The operator is prompted to mount another volume.
Corrective Action: Mount a scratch tape.

CTT137S CSECT IN ERROR csect, EP: add OFFSET: offset

Explanation: An abend occurred in one of the Control-M/Tape real-time environment modules. This message identifies the CSECT in the module, its Entry Point, and the offset of the error. This message follows message CTT117S.
The job abends.
Corrective Action: Notify BMC Software Customer Support.

CTT138W unit, DATASET BYPASSED. REASON: rsn VOLUME: volser

Explanation: Control-M/Tape is bypassing the data set on the specified volume. As a result of this bypass, no information regarding this data set is recorded in the MDB.
Valid values for rsn are:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBL-ERR</td>
<td>An invalid label was used when accessing a SL tape in the Media Database (MDB). For example, a tape, identified as SL in the MDB, was accessed using BLP.</td>
</tr>
<tr>
<td>rsn</td>
<td>Explanation</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>READBACK</td>
<td>The data set is read backward (READBACK processing).</td>
</tr>
<tr>
<td>RULE-REQ</td>
<td>A Control-M/Tape rule requested that this data set be bypassed by setting DO BYPASS to Y.</td>
</tr>
<tr>
<td>VOLMISS</td>
<td>The specified volume was not controlled by Control-M/Tape and either:</td>
</tr>
<tr>
<td></td>
<td>▪ the DYNVOL parameter is set to I (ignore) in either the CTTPARM member or a rule.</td>
</tr>
<tr>
<td></td>
<td>or</td>
</tr>
<tr>
<td></td>
<td>▪ the user answered message CTT112A with I (ignore).</td>
</tr>
<tr>
<td></td>
<td>This reason is also given if User Exit CTTX004 was used to temporarily override the setting for the DYNVOL parameter.</td>
</tr>
<tr>
<td>UX03</td>
<td>User Exit CTTX003 requested that this data set be bypassed.</td>
</tr>
<tr>
<td>UX05</td>
<td>User Exit CTTX005 requested that this data set be bypassed.</td>
</tr>
</tbody>
</table>

The job continues without Control-M/Tape involvement.

**Corrective Action:** No action is required.

**CTT139I unit, VOLUME volume DYNAMICALLY DEFINED**

**Explanation:** The specified volume was dynamically defined in the Media Database by Control-M/Tape. This volume was not known to Control-M/Tape before this job. The DYNVOL installation parameter determines whether or not such volumes will be defined dynamically.

The job continues.

**Corrective Action:** No action is required.

**CTT140E unit, SPECIFIC REQUEST FOR SCRATCH VOLUME volume DENIED (ddName)**

**Explanation:** A job attempted to access a scratch volume by specifying the volser of this volume. The SCRPROT installation parameter determines whether a scratch volume is protected from specific access. This message may occur when VOL=REF= value is specified, or when a double open occurs in the same step that acts as a specific request, even though the JCL was for a nonspecific request.

The job is abended.

**Corrective Action:** Change the JCL as required. If a scratch volume is required, remove the parameter VOL=SER= value or VOL=REF= value.
INCONTROL for z/OS Messages Manual

CTT141E unit, RECREATE ON WRONG VOLUME vol

Explanation: A job attempted to recreate a data set that already exists on the vol volume, but the data set does not start on the volume. Data sets can only be recreated on the same volumes they were on before, and in the same order.

The job is abended.

Corrective Action: Change the JCL as required.

CTT142I IА= instruction_addr SVCA= svc_addr COMP CODE= complemented

Explanation: This information message supplies additional details relating to the abend that occurred, and may be accompanied by additional messages.

The variables in this message are:
- instruction_addr - address of the abend
- svc_addr - Control-M/Tape real-time environment module address
- complCode - abend code

Corrective Action: Look for previous error or warning messages.

CTT143E jobName, TASK IS ABENDED BY CONTROL-M/TAPE (rsn)

Explanation: Control-M/Tape abended the jobName task. The cause of the abend is explained in a message that precedes this message, which is indicated by the value of rsn.

The following are the possible values of the reason code (rsn), and the related preceding message for each:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Invalid intercept code. See CTT106S.</td>
</tr>
<tr>
<td>8</td>
<td>ESTAE failed. See CTT106S.</td>
</tr>
<tr>
<td>12</td>
<td>GETAST failed. See CTT106S.</td>
</tr>
<tr>
<td>16</td>
<td>RBA of the volume is missing. See CTT106S.</td>
</tr>
<tr>
<td>20</td>
<td>RBA of data set is missing. See CTT106S.</td>
</tr>
<tr>
<td>24</td>
<td>Message routine failed. See CTT106S.</td>
</tr>
<tr>
<td>28</td>
<td>Previous file does not exist. See CTT108E.</td>
</tr>
<tr>
<td>32</td>
<td>Data set name conflict with MDB data set name. See CTT109E.</td>
</tr>
<tr>
<td>36</td>
<td>Volume not in MDB. See CTT130E.</td>
</tr>
<tr>
<td>rsn</td>
<td><strong>Explanation</strong></td>
</tr>
<tr>
<td>-----</td>
<td>----------------</td>
</tr>
<tr>
<td>40</td>
<td>Data set not in MDB. See CTT110E.</td>
</tr>
<tr>
<td>44</td>
<td>Job failed by User Exit 3. See CTT111E.</td>
</tr>
<tr>
<td>48</td>
<td>Open failed for MDB. See CTT200S.</td>
</tr>
<tr>
<td>52</td>
<td>Close failed for MDB. See CTT200S.</td>
</tr>
<tr>
<td>56</td>
<td>GETMAIN error.</td>
</tr>
<tr>
<td>60</td>
<td>Recreate with DISP set to NEW. See CTT119E.</td>
</tr>
<tr>
<td>64</td>
<td>Volume is in a remote vault. See CTT113A.</td>
</tr>
<tr>
<td>68</td>
<td>File already exists. See CTT118E.</td>
</tr>
<tr>
<td>72</td>
<td>Bad RC from user exit. See CTT115S.</td>
</tr>
<tr>
<td>76</td>
<td>Abend in user exit. See CTT116S.</td>
</tr>
<tr>
<td>80</td>
<td>Recreate on a permanent data set. See CTT120E.</td>
</tr>
<tr>
<td>84</td>
<td>Control-M/Tape environment does not exist. See CTT134A.</td>
</tr>
<tr>
<td>88</td>
<td>Control-M/Tape is suspended. See CTT150A.</td>
</tr>
<tr>
<td>92</td>
<td>Invalid file sequence. See CTT107E.</td>
</tr>
<tr>
<td>96</td>
<td>Retry after abend in test mode.</td>
</tr>
<tr>
<td>100</td>
<td>Volume is not scratch. See CTT125E.</td>
</tr>
<tr>
<td>104</td>
<td>DYNVOL is set to I (Bypass), but an attempt was made to access a controlled volume. See CTT149E.</td>
</tr>
<tr>
<td>108</td>
<td>9800 request denied. See CTT135A.</td>
</tr>
<tr>
<td>112</td>
<td>MDB error. See CTT200S.</td>
</tr>
<tr>
<td>124</td>
<td>EDM tries to write on non-EDM. See CTT132E.</td>
</tr>
<tr>
<td>128</td>
<td>Non-EDM tries to write on EDM. See CTT133E.</td>
</tr>
<tr>
<td>156</td>
<td>Specific request for a scratch volume. See CTT140E.</td>
</tr>
<tr>
<td>160</td>
<td>Recreate on the wrong volume. See CTT141E.</td>
</tr>
<tr>
<td>rsn</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
</tr>
<tr>
<td>168</td>
<td>Job started before Control-M/Tape set active. See CTT144E.</td>
</tr>
<tr>
<td>172</td>
<td>Access denied by User Exit 6. See CTT145E.</td>
</tr>
<tr>
<td>180</td>
<td>An attempt was made to run a utility of Control-M/Tape 6.0.01 or later while an earlier version of Control-M/Tape was active.</td>
</tr>
<tr>
<td>192</td>
<td>Recreate disabled by installation. See CTT148E.</td>
</tr>
<tr>
<td>228</td>
<td>Volume not found during MVS/RESTART.</td>
</tr>
</tbody>
</table>

The task is abended. Control-M/Tape does not record any information on this tape data set.

**Corrective Action:** Do one of the following:

- If $rc = 56$, increase the region size.
- If $rc = 180$, stop the earlier version of Control-M/Tape, and rerun the 6.0.01 or later version of the utility.
- If $rc = 228$, note the contents of the job log and contact BMC Software Customer Support.
- In all other cases check the preceding message to understand why this message was issued, and proceed accordingly.

**CTT144E** unit, CONTROL-M/TAPE WAS NOT ACTIVE WHEN JOB STARTED

**Explanation:** Either Control-M/Tape was not active when the job started to run, or Control-M/Tape was brought down and up while the job was running. If there is any tape activity in the system, Control-M/Tape must be active.

The job is abended, unless Control-M/Tape is in Test mode.

**Corrective Action:** Rerun the job when Control-M/Tape is active.

**CTT145E** unit, ACCESS DENIED TO {VOL: volser/ DS: dsn }

**Explanation:** Permission to access the specified volume or data set was denied by the Control-M/Tape security exit.

The job is abended.

**Corrective Action:** If you think you should have access to this volume or data set, contact your security administrator.

**CTT146I** unit, JOB CONTINUES DUE TO TEST MODE (rsn)

**Explanation:** This information message indicates that a job that probably would have abended in PROD or PHASED mode continues processing because the job is running in TEST mode. The cause of the abend is explained in a message that precedes this message, which is indicated by the value of $rsn$. 

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INCONTROL for z/OS Messages Manual

1217
The following are the possible values of the reason code (\textit{rsn}) and the related preceding message for each:

<table>
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<td>Volume is in a remote vault. See CTT113A.</td>
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## INCONTROL for z/OS Messages Manual

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<td>Volume not found during MVS/RESTART.</td>
</tr>
</tbody>
</table>

The job continues processing, but Control-M/Tape does not record any more information related to the job.

**Corrective Action:** No action is required.

### CTT147W unit, VOLUME volser MARKED DELETED. JOB CONTINUES

**Explanation:** The specified volume is marked as deleted might be a physically damaged volume. Since the job specifically requested this volume, the job continues.

**Corrective Action:** Check why the volume is marked as deleted, and determine if you want the job to continue processing.

### CTT148E unit, RECREATE DISABLED BY INSTALLATION PARAMETERS (ddName)

**Explanation:** An attempt was made to recreate a data set, and N was specified for the RECREATE installation parameter in the CTTPARM member.

The job is abended.

**Corrective Action:** If you wish to enable recreation of data sets, contact your INCONTROL administrator.
CTT149E unit, jobName, BYPASS ATTEMPT ON MDB VOLUME volser
[ {SCRATCH | ACTIVE}, {R | W}]

Explanation: Job (jobName) tried to access a volume from the Media Database (MDB), while under a
Control-M/Tape bypass. Control-M/Tape bypassed the first volume that the executing task accessed,
because it was not in the MDB. When the executing task tried to access a later volume that was in the
MDB, Control-M/Tape disabled access by the executing task to the volume, and issued this message.

For security reasons Control-M/Tape requires that when DYNVOL is set to I, if the first volume accessed
by the task is not in the MDB, the rest of the volumes accessed by the task must not appear in the MDB
either.

This message is issued when:
- The DYNVOL parameter is set to I in CTTPARM, or User Exit 4 (Dynamic Definition exit) selected
  DYNVOL set to I;
- The first volume accessed by the executing task is not in the MDB, and any volumes that the
  executing task accesses later are in the MDB.

The system action depends on how the volume was requested.
- If the task requested this specific volume, the task is abended.
- If the volume was mounted in response to a nonspecific mount request, it is rejected, and another
  scratch tape is requested instead.

Corrective Action: Do one of the following, depending on how the volume was requested.
- If this is a request for this specific volume, verify that all or none of the volumes to be accessed are
  defined in the MDB.
- If this is a nonspecific tape request, either mount a non-MDB volume, or have the job restarted using
  only MDB volumes.

CTT150A unit, jobName, CONTROL-M/TAPE ENVIRONMENT IS
SUSPENDED. REPLY A-ABEND, R-RETRY OR B-BYPASS

Explanation: A job attempted to process data on a tape, while the Control-M/Tape real-time
environment was suspended. The Control-M/Tape real-time environment was suspended by the
MODE=SUSPEND statement in the CTTINIT procedure. While Control-M/Tape is suspended, no tape
activity is allowed.

The job waits for a reply.

Corrective Action: Specify one of the following operator responses:
A - Abend the job or task.

R - Recheck the status of the real-time environment. This enables you to reset Control-M/Tape to status ACTIVE using statement MODE=RESUME in the CTTINIT procedure, before specifying this operator response. Before resetting the status of Control-M/Tape, determine why SUSPEND mode was requested and whether or not you can reset the mode at this time.

B - Bypass Control-M/Tape for the processing of this data set. In this case, Control-M/Tape does not record or protect any information affected by this job while processing this data set.

CTT151I unit, VOLUMES volser1, volser2 CHAINED ON INPUT

Explanation: This information message indicates that a job successfully read a data set that spans volumes volser1 and volser2, but volume volser2 was a scratch tape. Control-M/Tape automatically changes the status of the scratch tape (volser2) to ACTIVE and updates the necessary pointers in the volume record so that volser2 is joined in a multivolume chain to volser1.

Corrective Action: No action is required.

CTT152W unit, VOLUMES volser1, volser2 ARE NOT FROM THE SAME GROUP

Explanation: A job is reading a data set from volumes volser1 and volser2 as if they belong to the same volume group. However these volumes are recorded in the Media Database as belonging to two different multivolume chains. The information recorded in the Media Database might not reflect the real status of the two volumes.

This error message may also occur while running Control-M/Tape in TEST mode, as a result of differences between Control-M/Tape and the other tape management system.

The job continues processing.

Corrective Action: Check the volumes specified in this message (volser1 and volser2) and their definitions in the Media Database to determine why this message was issued.

CTT153E unit, MOUNT REQUEST FOR VOLUME volser RECEIVED A VOLUME WITH SL-NAME slName1 WHERE slName2 EXPECTED

Explanation: The SL-NAMEs on the mounted tape (slName1) is different from the one listed in the Media Database for this volser (slName2). Probably a different tape from the one requested was mounted.

The tape is rejected.

Corrective Action: Mount the requested tape. The volser specified in this message should appear on the gummed (external) label.

CTT154I unit, RESTART IN PROGRESS FOR VOLUME volser

Explanation: This information message indicates that the job in process was restarted from volume volser by means of the MVS/RESTART feature.

Corrective Action: No action is required.
CTT155E unit, RESTART FAILED, SELECT A-ABEND, B-BYPASS

**Explanation:** During tape processing done under MVS/RESTART, Control-M/Tape encountered errors. Since MVS/RESTART is in process, the current status of the volumes or data sets may be different from the status expected by Control-M/Tape.

The errors encountered are described in the messages that precede this message.

The job waits for a reply.

**Corrective Action:** Reply with one of the following:

- A - Abend the job or task.
- B - Bypass Control-M/Tape for the processing of this data set. In this case, Control-M/Tape does not record or protect any information affected by this job for while processing this data set.

CTT156W unit, {IOA FUNCTIONS | SMS RULES} PROCESSING IS INHIBITED

**Explanation:** Control-M/Tape can no longer process IOA functions or SMS rules, due to a problem described in the messages preceding this message. IOA functions mentioned in the message refer to DO statements that call IOA functions, for example, DO COND, DO RESOURCE and DO SET.

The job continues without using the specified feature, which is IOA functions or SMS rules.

**Corrective Action:** Check preceding messages for the reason for this error and correct the problem accordingly.

CTT157W unit, AUTOMATIC CARTRIDGE LOAD DISABLED (n CONSECUTIVE REJECTS)

**Explanation:** Tapes mounted on the specified unit after a nonspecific mount request, were rejected n consecutive times. Control-M/Tape found that the mounted tape did not satisfy the request requirements. For example, the tape may not be from the requested scratch pool. As a result, it rejected the tape, and issued the mount message again. This process repeated itself n times, after which Control-M/Tape stopped the automatic load process on the specified unit.

Control-M/Tape disables the automatic load process for the specified unit until a tape that satisfies the mount request requirements is mounted manually.

**Corrective Action:** Have the operator mount tapes that satisfy the mount request requirements.

CTT158E unit_addr, DENSITY OF VOLUME volser IS NOT COMPATIBLE WITH THE DEVICE

**Explanation:** Volume volser that was mounted for output on unit_addr has a density that is not compatible with the device. This message is issued only when CNGDENS is set to Y in CTTPARM.

The specified volume is currently recorded with a density lower than the density about to be used by the device (for example, a 3480 volume mounted for output on a 3490E device). When CNGDENS is set to N in CTTPARM, Control-M/Tape allows higher density recording on the volume, making it no longer usable on lower density devices. However, since CNGDENS was set to Y in CTTPARM, Control-M/Tape does not allow higher density recording on the volume.

The volume is rejected from the device and a mount message is issued.
Corrective Action: Mount a scratch volume with a compatible density.

CTT159W jobName, PROCESS STOPPED DUE TO {CANCEL | DETACH | ABEND IN ANOTHER TASK}

Explanation: A task was running under the Control-M/Tape real time environment module, and Control-M/Tape needed to stop execution of the task. The reason is one of the following:

- CANCEL - The job was canceled.
- DETACH - A different task caused the Control-M/Tape task to DETACH.
- ABEND IN ANOTHER TASK - A different task abended, and therefore the Control-M/Tape task abended as well.

Corrective Action: If the reason is CANCEL, ignore the message. Otherwise, use the dump to understand which task abended, since Control-M/Tape is not the reason for the abend.

Messages CTT200 through CTT2xx

This group includes messages for the Control-M/Tape product.

CTT200S operation FAILED FOR logical_ds DATASET. RC= rc, REASON= ic_rsn

Explanation: The specified operation against the logical data set logical_ds failed.

Valid values for logical_ds are shown in the following table:

<table>
<thead>
<tr>
<th>logical_ds</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDBD</td>
<td>Media database data file</td>
</tr>
<tr>
<td>MDBI</td>
<td>Media database index file</td>
</tr>
<tr>
<td>STKD</td>
<td>Stacking database data file</td>
</tr>
<tr>
<td>STKI</td>
<td>Stacking database index file</td>
</tr>
<tr>
<td>TRACE</td>
<td>Trace file</td>
</tr>
<tr>
<td>SEQ</td>
<td>Any sequential file</td>
</tr>
</tbody>
</table>

The reason for the failure is indicated by ic_rsn, where ic is a 2-digit internal code, and rsn is the 4-digit reason code described in the following tables.
## Logical Errors in Database Data File and Database Index Files

<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0004</td>
<td>- READ - key not found</td>
</tr>
<tr>
<td></td>
<td>- READNEXT - end of file reached</td>
</tr>
<tr>
<td></td>
<td>- READPREV - beginning of file reached</td>
</tr>
<tr>
<td>0008</td>
<td>Non-unique key (add)</td>
</tr>
<tr>
<td>0012</td>
<td>Invalid function</td>
</tr>
<tr>
<td>0016</td>
<td>Invalid record has been read or supplied</td>
</tr>
<tr>
<td>0020</td>
<td>Not enough memory</td>
</tr>
<tr>
<td>0024</td>
<td>Not enough storage in data file</td>
</tr>
<tr>
<td>0028</td>
<td>Not enough storage in index file</td>
</tr>
<tr>
<td>0030</td>
<td>Internal error: no message retriever found</td>
</tr>
<tr>
<td>0032</td>
<td>Missing parameters</td>
</tr>
<tr>
<td>0036</td>
<td>Invalid record type</td>
</tr>
<tr>
<td>0044</td>
<td>Invalid LRECL in data file</td>
</tr>
<tr>
<td>0048</td>
<td>Invalid KEYLEN in index file</td>
</tr>
<tr>
<td>0052</td>
<td>Simulation failed, restart</td>
</tr>
<tr>
<td>0056</td>
<td>Open for Trace file failed</td>
</tr>
<tr>
<td>0060</td>
<td>TCT address invalid (open)</td>
</tr>
<tr>
<td>0066</td>
<td>Invalid key change during update</td>
</tr>
</tbody>
</table>

## Errors in Database DATA File

<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1004</td>
<td>- ADD - the file is full</td>
</tr>
<tr>
<td></td>
<td>- READNEXT - no more records</td>
</tr>
<tr>
<td></td>
<td>- READPREV - beginning of file reached</td>
</tr>
<tr>
<td>rsn</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
</tr>
<tr>
<td>1006</td>
<td>Record not found</td>
</tr>
<tr>
<td>1008</td>
<td>Record not found--invalid extent number</td>
</tr>
<tr>
<td>1009</td>
<td>Record not found--invalid block number</td>
</tr>
<tr>
<td>1010</td>
<td>Internal error: Record not found--invalid extent number</td>
</tr>
<tr>
<td>1011</td>
<td>Internal error: Record not found--invalid block number</td>
</tr>
<tr>
<td>1012</td>
<td>Insufficient memory</td>
</tr>
<tr>
<td>1013</td>
<td>Open failed for the DD statement name</td>
</tr>
<tr>
<td>1016</td>
<td>The free record counter in the database is corrupt.</td>
</tr>
<tr>
<td>1018</td>
<td>Corrupted record</td>
</tr>
<tr>
<td>1019</td>
<td>Record is not active</td>
</tr>
<tr>
<td>1020</td>
<td>Invalid QNAME (open)</td>
</tr>
<tr>
<td>1021</td>
<td>Bad record in free list</td>
</tr>
<tr>
<td>1022</td>
<td>Invalid data set name in block 0</td>
</tr>
<tr>
<td>1024</td>
<td>Invalid function</td>
</tr>
<tr>
<td>1028</td>
<td>Load of IOAPARM failed</td>
</tr>
<tr>
<td>1032</td>
<td>Add failed, record too long</td>
</tr>
<tr>
<td>1036</td>
<td>I/O error</td>
</tr>
<tr>
<td>1044</td>
<td>EXCP initialization error</td>
</tr>
<tr>
<td>1046</td>
<td>Dual database file corrupted--not up to date, aborting</td>
</tr>
<tr>
<td>1048</td>
<td>Invalid data set name, or data set name too long</td>
</tr>
<tr>
<td>1050</td>
<td>Locate failed</td>
</tr>
<tr>
<td>1052</td>
<td>Dynamic allocation failed</td>
</tr>
<tr>
<td>1054</td>
<td>Dynamic allocation free failed</td>
</tr>
</tbody>
</table>
### Dual Database Errors

<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1056</td>
<td>Dual database file not up to date</td>
</tr>
<tr>
<td>1058</td>
<td>Dual database file corrupted--continue working with main database</td>
</tr>
<tr>
<td>1060</td>
<td>Failed to link IOADBF</td>
</tr>
<tr>
<td>1064</td>
<td>Failed to format new database file</td>
</tr>
<tr>
<td>1066</td>
<td>Cannot update block 0--block was not ENQed</td>
</tr>
<tr>
<td>1068</td>
<td>Update failed--record too long</td>
</tr>
<tr>
<td>1070</td>
<td>Failed to load IOADBSB#</td>
</tr>
<tr>
<td>1072</td>
<td>Cannot perform read with ENQ--another ENQ was already issued</td>
</tr>
<tr>
<td>1074</td>
<td>Cannot open database exclusively--database is in use</td>
</tr>
<tr>
<td>1076</td>
<td>Failed to update block 0--corrupted data</td>
</tr>
<tr>
<td>1078</td>
<td>Failed to update block 0--dual database flags changed without appropriate ENQ</td>
</tr>
<tr>
<td>1080</td>
<td>Buffering not initialized</td>
</tr>
<tr>
<td>1082</td>
<td>ENQ failed</td>
</tr>
<tr>
<td>1084</td>
<td>Compress/uncompress error</td>
</tr>
<tr>
<td>1086</td>
<td>Internal error--current EFCB does not match the RBA to be written</td>
</tr>
<tr>
<td>1090</td>
<td>Attempted to update database while it was open for read-only</td>
</tr>
<tr>
<td>1092</td>
<td>Open failed: read job file control block failed for the DD statement name.</td>
</tr>
</tbody>
</table>

### Logical Errors in Database Index File

<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>- ADD - key already exists</td>
</tr>
<tr>
<td></td>
<td>- DELETE - record not found</td>
</tr>
<tr>
<td></td>
<td>- READ - record not found</td>
</tr>
<tr>
<td></td>
<td>- READNEXT - end of file reached</td>
</tr>
<tr>
<td></td>
<td>- READPREV - beginning of file reached</td>
</tr>
<tr>
<td><strong>rsn</strong></td>
<td><strong>Description</strong></td>
</tr>
<tr>
<td>---------</td>
<td>----------------</td>
</tr>
<tr>
<td>2008</td>
<td>Error accessing the file</td>
</tr>
<tr>
<td>2012</td>
<td>Not enough main storage</td>
</tr>
<tr>
<td>2016</td>
<td>Internal error</td>
</tr>
<tr>
<td>2018</td>
<td>The index tree structure is corrupted--an index on a higher level does not match the last index on a lower level.</td>
</tr>
<tr>
<td>2019</td>
<td>The index tree structure is corrupted--index was not found on the block.</td>
</tr>
<tr>
<td>2020</td>
<td>Invalid index function</td>
</tr>
<tr>
<td>2024</td>
<td>Invalid timestamp</td>
</tr>
<tr>
<td>2028</td>
<td>Invalid chain</td>
</tr>
</tbody>
</table>

### Data Errors in Database Index File

<table>
<thead>
<tr>
<th><strong>rsn</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>3004</td>
<td></td>
</tr>
</tbody>
</table>
  - ADD - file is full
  - READNEXT - no more records
  - READPREV - beginning of file reached |
<p>| 3006    | Record not found |
| 3008    | Record not found--invalid extent number |
| 3009    | Record not found--invalid block number |
| 3010    | Internal error: Record not found--invalid extent number |
| 3011    | Internal error: Record not found--invalid block number |
| 3012    | Not enough memory |
| 3013    | Open failed for DD name |
| 3016    | The free record counter in the database is corrupt. |
| 3018    | Corrupted record |
| 3019    | Record is not active |</p>
<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3020</td>
<td>Invalid QNAME (open)</td>
</tr>
<tr>
<td>3021</td>
<td>Bad record in free list</td>
</tr>
<tr>
<td>3022</td>
<td>Invalid data set name in n block 0</td>
</tr>
<tr>
<td>3024</td>
<td>Invalid function</td>
</tr>
<tr>
<td>3028</td>
<td>Failed to load IOAPARM</td>
</tr>
<tr>
<td>3032</td>
<td>Add failed--record too long</td>
</tr>
<tr>
<td>3036</td>
<td>I/O error</td>
</tr>
<tr>
<td>3044</td>
<td>EXCP initialization error</td>
</tr>
<tr>
<td>3046</td>
<td>Dual database file corrupted--not up to date, aborting</td>
</tr>
<tr>
<td>3048</td>
<td>Invalid data set name, or data set name too long</td>
</tr>
<tr>
<td>3050</td>
<td>Locate failed</td>
</tr>
<tr>
<td>3052</td>
<td>Dynamic allocation failed</td>
</tr>
<tr>
<td>3054</td>
<td>Dynamic allocation free failed</td>
</tr>
<tr>
<td>3056</td>
<td>Dual database file not up to date</td>
</tr>
<tr>
<td>3058</td>
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</tr>
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<td>3060</td>
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<tr>
<td>3066</td>
<td>Cannot update block 0--block was not ENQed</td>
</tr>
<tr>
<td>3068</td>
<td>Update failed--record too long</td>
</tr>
<tr>
<td>3070</td>
<td>Failed to load IOADBSB#</td>
</tr>
<tr>
<td>3072</td>
<td>Cannot perform read with ENQ--another ENQ was already issued</td>
</tr>
<tr>
<td>3074</td>
<td>Cannot open database exclusively--database is in use</td>
</tr>
<tr>
<td>3076</td>
<td>Failed to update block 0--corrupted data</td>
</tr>
</tbody>
</table>
## INCONTROL for z/OS Messages Manual

<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3078</td>
<td>Failed to update block 0--dual database flags changed without appropriate ENQ</td>
</tr>
<tr>
<td>3080</td>
<td>Buffering not initialized</td>
</tr>
<tr>
<td>3082</td>
<td>ENQ failed</td>
</tr>
<tr>
<td>3084</td>
<td>Compress/uncompress error</td>
</tr>
<tr>
<td>3086</td>
<td>Internal error--current EFCB does not match the RBA to be written</td>
</tr>
<tr>
<td>3090</td>
<td>Attempted to update database while it was open for read-only</td>
</tr>
<tr>
<td>3092</td>
<td>Open failed: read job file control block failed for the DD statement name.</td>
</tr>
</tbody>
</table>

### Errors in TRACE or SEQ Files

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4004</td>
<td>READ</td>
<td>Record truncated because it was too long</td>
</tr>
<tr>
<td></td>
<td>READ0</td>
<td>Record truncated because it was too long</td>
</tr>
<tr>
<td>4008</td>
<td>OPEN</td>
<td>Not enough memory</td>
</tr>
<tr>
<td></td>
<td>READ</td>
<td>Record or block could not be read</td>
</tr>
<tr>
<td></td>
<td>READ0</td>
<td>Record or block could not be read</td>
</tr>
<tr>
<td></td>
<td>WRITE</td>
<td>Record or block could not be read</td>
</tr>
<tr>
<td>4012</td>
<td>OPEN</td>
<td>OPEN failed, or J FCB could not be obtained</td>
</tr>
<tr>
<td></td>
<td>READ</td>
<td>Invalid RBA or EOF</td>
</tr>
<tr>
<td></td>
<td>READ0</td>
<td>Invalid RBA or EOF</td>
</tr>
<tr>
<td></td>
<td>WRITE</td>
<td>Record could not be written</td>
</tr>
<tr>
<td></td>
<td>WRITE0</td>
<td>Record could not be written</td>
</tr>
<tr>
<td>4016</td>
<td>OPEN</td>
<td>Internal error--LOADBE initialization failed</td>
</tr>
<tr>
<td></td>
<td>READ</td>
<td>Sequence error</td>
</tr>
<tr>
<td></td>
<td>READ0</td>
<td>Sequence error</td>
</tr>
<tr>
<td>rsn</td>
<td>Explanation</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>WRITE</td>
<td>Sequence error</td>
<td></td>
</tr>
<tr>
<td>WRITE0</td>
<td>Sequence error</td>
<td></td>
</tr>
<tr>
<td>4020</td>
<td>OPEN</td>
<td>Error reading record 0</td>
</tr>
<tr>
<td>WRITE</td>
<td>Trace file is full</td>
<td></td>
</tr>
<tr>
<td>4024</td>
<td>OPEN</td>
<td>Trace file format is invalid</td>
</tr>
<tr>
<td>4028</td>
<td>OPEN</td>
<td>Trace file is full</td>
</tr>
<tr>
<td>4032</td>
<td>Internal error--invalid function for all TRACE or SEQ file operations.</td>
<td></td>
</tr>
</tbody>
</table>

**Errors during sequential read of Media database**

<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5002</td>
<td>End of physical file (extent)</td>
</tr>
<tr>
<td>5004</td>
<td>End of file</td>
</tr>
<tr>
<td>5008</td>
<td>The file could not be opened. RDJ FCB failed (probably no DD statement for the MDB).</td>
</tr>
<tr>
<td>5012</td>
<td>The file could not be opened. OPEN for MDB failed.</td>
</tr>
<tr>
<td>5016</td>
<td>Invalid dsname specified in DD statement referencing the MDB. Either name is too long or the name does not end with E000.</td>
</tr>
<tr>
<td>5020</td>
<td>Parameters error</td>
</tr>
<tr>
<td>5024</td>
<td>File attributes incorrect. File type incorrect.</td>
</tr>
<tr>
<td>5028</td>
<td>File attributes incorrect. Lrecl incorrect.</td>
</tr>
<tr>
<td>5032</td>
<td>File attributes incorrect. Blksize incorrect.</td>
</tr>
<tr>
<td>5036</td>
<td>File attributes incorrect. Dsname incorrect.</td>
</tr>
</tbody>
</table>

The currently executing function or utility stops.  
**Corrective Action:** Notify your INCONTROL administrator.
CTT202I RECORD: key

Explanation: This information message follows another error message, and identifies the Media Database (MDB) record for which the operation identified in the earlier message failed.

Corrective Action: No action is required.

CTT203E CTTAPI FAILED. FUNCTION= func RC= rc RSN= rsn URC= urc

Explanation: The Control-M/Tape Application Program Interface (CTTAPI) has failed to perform one of its functions.

The variables in this message are:
- \textit{func} - the function that was not performed
- \textit{rc} - the return code
- \textit{rsn} - the reason code
- \textit{urc} - the utility return code, if a utility was run

The following table displays valid values for the return code and reason code, together with the relevant explanations:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Reason Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>200</td>
<td>No handler sent</td>
</tr>
<tr>
<td></td>
<td>204</td>
<td>GETMAIN failed</td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>No active query when query next</td>
</tr>
<tr>
<td></td>
<td>212</td>
<td>Invalid call - invalid eye catcher</td>
</tr>
<tr>
<td></td>
<td>216</td>
<td>No buffer when query</td>
</tr>
<tr>
<td></td>
<td>220</td>
<td>Subtask error</td>
</tr>
<tr>
<td></td>
<td>224</td>
<td>Open error from database. To identify the error that has occurred, use the value of \textit{urc} as if it was the reason code in the CTT200S message.</td>
</tr>
<tr>
<td></td>
<td>228</td>
<td>Close error from database. To identify the error that has occurred, use the value of \textit{urc} as if it was the reason code in the CTT200S message.</td>
</tr>
<tr>
<td></td>
<td>232</td>
<td>Load environment error</td>
</tr>
<tr>
<td></td>
<td>236</td>
<td>Control-M/Tape real time environment is not active</td>
</tr>
<tr>
<td></td>
<td>240</td>
<td>Allocate database error</td>
</tr>
<tr>
<td>Return Code</td>
<td>Reason Code</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>244</td>
<td></td>
<td>Free database error</td>
</tr>
<tr>
<td>248</td>
<td></td>
<td>User not authorized</td>
</tr>
<tr>
<td>252</td>
<td></td>
<td>Expiration management error</td>
</tr>
<tr>
<td>256</td>
<td></td>
<td>MDB was not opened in update mode</td>
</tr>
<tr>
<td>260</td>
<td></td>
<td>The program is not APF-authorized.</td>
</tr>
<tr>
<td>12</td>
<td>200</td>
<td>Function is not supported</td>
</tr>
<tr>
<td></td>
<td>204</td>
<td>Path is invalid</td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>Relation is invalid</td>
</tr>
<tr>
<td></td>
<td>212</td>
<td>Relation is inconsistent</td>
</tr>
<tr>
<td></td>
<td>216</td>
<td>Mask is invalid</td>
</tr>
<tr>
<td></td>
<td>220</td>
<td>Parsing error</td>
</tr>
<tr>
<td></td>
<td>224</td>
<td>Invalid combination of where and path</td>
</tr>
<tr>
<td></td>
<td>228</td>
<td>INCLUDE or EXCLUDE error</td>
</tr>
<tr>
<td></td>
<td>232</td>
<td>Invalid options have been specified.</td>
</tr>
<tr>
<td></td>
<td>236</td>
<td>A non-existent volume has been specified.</td>
</tr>
<tr>
<td></td>
<td>240</td>
<td>The specified data set does not exist.</td>
</tr>
<tr>
<td></td>
<td>244</td>
<td>The data set name specified does not match an actual data set name.</td>
</tr>
<tr>
<td></td>
<td>248</td>
<td>The request is inconsistent with the current environment. An External Data Manager (EDM) attempted to mark as expired a volume not marked as under the control of that EDM.</td>
</tr>
<tr>
<td>16</td>
<td>200</td>
<td>Dynamic allocation error</td>
</tr>
<tr>
<td></td>
<td>204</td>
<td>Dynamic free error</td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>Read error from database. To identify the error that has occurred, use the value of urc as if it was the reason code in the CTT200S message.</td>
</tr>
<tr>
<td>Return Code</td>
<td>Reason Code</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
<td>------------------------------------------------------------------</td>
</tr>
<tr>
<td>212</td>
<td></td>
<td>Sort error</td>
</tr>
<tr>
<td>216</td>
<td></td>
<td>More than two API parallel query tasks are not allowed.</td>
</tr>
</tbody>
</table>

**Corrective Action:** Use the information in this and any associated message to identify the problem, and take action accordingly.

**CTT204W NUMBER OF FREE RECORDS IN file BELOW THRESHOLD**

**Explanation:** The number of free records in the specified file has fallen below the installation default. The file indicated in this message is either MDB (the Media Database) or STK (the Stacking Database). This message is issued each time a record is added to the specified file while the situation persists.

**Corrective Action:** The size of the specified file should be examined and enlarged according to the current needs of the site. Refer to the INCONTROL for z/OS Administrator Guide.

**CTT205S {MDB | STK} DATA FILE IS FULL**

**Explanation:** An attempt was made to add a new record to the Media Database (MDB) or Stacking Statistic Database (STK), but the MDB/STK Data file has no free space left.

Processing stops.

**Corrective Action:** The MDB/STK Data file should be enlarged. Refer to the INCONTROL for z/OS Administrator Guide.

**CTT206S {MDB | STK} INDEX FILE IS FULL**

**Explanation:** An attempt was made to add a new record to the Media Database (MDB) or Stacking Statistic Database, but the MDB/STK Index file has no free space left.

Processing stops.

**Corrective Action:** The MDB/STK Index file should be enlarged. Refer to the INCONTROL for z/OS Administrator Guide.

**CTT207S DATA FILE FORMATTED INCORRECTLY**

**Explanation:** The format of the Media Database (MDB) Data file is incorrect. This message indicates that the LRECL of the Data file is not correct.

Processing stops.

**Corrective Action:** Refer to the Control-M/Tape chapter in the INCONTROL for z/OS Installation Guide and run the CTTDBF utility to format the MDB correctly.

**CTT208S INDEX FILE FORMATTED INCORRECTLY**

**Explanation:** The format of the Media Database (MDB) Index file is incorrect. This message indicates that the KEYLEN of the Index file is not correct.

Processing stops.
Corrective Action: Refer to Control-M/Tape chapter in the INCONTROL for z/OS Installation Guide and run the CTTDBF utility to format the MDB correctly.

CTT209E RECORD NOT FOUND. KEY= key
Explanation: A record with the indicated key was not found in the Media Database (MDB).
Corrective Action: Contact your INCONTROL administrator for assistance.

CTT210W MEDIA mediaTypeDef OF VOLSER volser NOT FOUND IN CTTPARM
Explanation: The CTTCDB utility cannot locate the media type definition for the volume specified in the CTTPARM member. The CTTCDB utility uses media definitions in the CTTPARM member to convert volume capacity information from feet to megabytes. Since the media assigned to volume volser is not defined in CTTPARM, the default capacity is used.

The variables in this message are:
- mediaTypeDef -- the missing media type definition
- volser -- the volume for which the CTTCDB utility tried to find the media type definition

The utility continues processing. The capacity for volume volser is set to the default for the utility.
Corrective Action: Define med_typ_def in CTTPARM and rerun the utility.

CTT250I TRC IS FORMATTED WITH n1 BLOCKS, n2 RECORDS, n3 AVG RECORD LENGTH
Explanation: This information message is issued by the formatting program at the end of the Trace file format.
- n1 -- Number of blocks
- n2 -- Number of records
- n3 -- Average record length
Corrective Action: No action is required.

CTT251E INDEX FILE IS NOT EMPTY
Explanation: The Index file contains active records.
The Index file must be empty before the issuing utility is started.
Processing of the utility stops.
Corrective Action: Do the following:
1. Use the IOADBF utility to format the Index file.
2. Rerun the utility.
**CTT260E VOLUME vol/ NOT FOUND IN TMC FILE. DATASET dsn**

**Explanation:** No volume record was found for the specified data set record in the database during conversion.

Conversion continues.

**Corrective Action:** No action is required.

**CTT261I num type recd_type CONVERTED FROM REPORT rpt_num**

**Explanation:** This information message indicates that the conversion program has finished converting a number of records of a specific type from the specified CA-TLMS report into Control-M/Tape format.

The variables in this message are:
- **num** - The number of records converted.
- **type** - The status of the specified records (ACTIVE or SCRATCH).
- **recd_type** - The type of records converted (DATASETS or VOLUMES).
- **rpt_num** - The number of the CA-TLMS report that was converted.

**Corrective Action:** No action is required.

**CTT262S UNSUPPORTED TLMS nnn REPORT FORMAT**

**Explanation:** This message indicates that the conversion program encountered a mismatched line in CA TLMS report, where *nnn* indicates the report number and is either 004 or 010.

Execution is terminated.

**Corrective Action:** Produce a corrected CA TLMS report and rerun the utility.

**CTT263E VOLSER volser HAS NO FIRST VOLUME IN REPORT 004**

**Explanation:** Due to an error in the CA TLMS report 004, the conversion program has encountered a volser that is part of a chain of volser, but which does not indicate a first volser.

The volser is assumed to be a single volume.

**Corrective Action:** Produce a corrected CA TLMS report 004 and rerun the utility.

**CTT264W VOLUME volser EXPIRATION DATE IS CHANGED TO PERMANENT**

**Explanation:** The CA1 V4.9 conversion program identified a volume with EXPDT=99366. CA1 V4.9 saves expiration dates that are within keyword range, or whose year is 2000 or more, with EXPDT=99366. The conversion to Control-M/Tape cannot identify the exact expiration date.

The volume expiration date is set to permanent. The conversion program continues processing with the next record.

**Corrective Action:** Contact BMC Software Customer Support.
CTT265W UNKNOWN `fieldName` IN EPIC-RBA: `epic_rba`. VALUE: `unknown_value`

**Explanation:** The EPIC conversion program (CTTCEPC) processed the EPIC record in the specified `epic_rba`, and found an unknown value for the specified field name.

Possible values of `fieldName` are:
- REC-TYPE - EPIC record type
- LBL_TYPE - label type
- DENSITY - density
- UNT_TYPE - unit type

If the `fieldName` is REC-TYPE, the whole record is ignored and is not converted. In all other cases, the record containing the unknown field is converted to the Control-M/Tape Media Database using a default value for the problematic field.

**Corrective Action:** If the field name is known to you, consider modifying the CTTCEPC EPIC conversion program to support the field.

CTT266E UNEXPECTED DSN. RBA: `epic_rba`. DSN: `dsn`

**Explanation:** The EPIC conversion program (CTTCEPC) found that the specified data set name in the EPIC detail record located in the specified `epic_rba` is not the same as the data set name in the associated EPIC master record. This message indicates an integrity error in the EPIC database. The data set name in the EPIC master record must be identical with the data set name in the EPIC detail record.

The variables in this message are:
- `epic_rba` -- the address of the problematic detail record in the EPIC database
- `dsName` -- the data set name in the detail record which was inconsistent with data set name in the EPIC master record.

The conversion program terminates.

**Corrective Action:** Verify the integrity of the EPIC database and restart the conversion process.

CTT267W FIELD NOT NUMERIC: `fieldName` RBA: `epic_rba` VOL: `volser`

**Explanation:** The EPIC conversion program (CTTCEPC) processed the record associated with the specified `volser`, which is located in the listed RBA, and found a non-numeric value where a numeric value was expected in the specified field.

The variables in this message are:
- `fieldName` - the name of the field containing the problematic value

Possible values for `rc` from CTVUPGDB, and their meanings, are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>----</td>
<td>-------------</td>
</tr>
<tr>
<td>4</td>
<td>End of file. Key not found.</td>
</tr>
<tr>
<td>8</td>
<td>Error processing the files</td>
</tr>
<tr>
<td>12</td>
<td>Invalid function</td>
</tr>
<tr>
<td>16</td>
<td>An invalid record was read.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage</td>
</tr>
<tr>
<td>24</td>
<td>Not enough storage in the GIR file</td>
</tr>
<tr>
<td>28</td>
<td>Not enough storage in the GIRI file</td>
</tr>
<tr>
<td>32</td>
<td>There is no DBO block.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid LRECL or KEYLEN in the data or index file. Invalid logical record in DEFGIT</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued.</td>
</tr>
<tr>
<td>100 through 199</td>
<td>DBS error codes</td>
</tr>
<tr>
<td>200 through 299</td>
<td>DBI error codes</td>
</tr>
</tbody>
</table>

- Possible fields are:
  - FILE_SEQ - File sequence (label number).
  - BLK_SIZE - Block size (BLKSIZE).
  - REC_SIZE - Logical record length (LRECL).
  - BLK_CNT - Block count.
  - SLOT - Slot number.
  - TUSE_CNT - Tape use count.
  - MCYCLE - Retention cycle limit.
  - RET_DAYS - Retention number of days.

- epic_rba - Address of the EPIC detail record in which bad value was detected.

- volser - Volume whose associated record field contains the problematic value.

The record containing the problematic field is converted to the Media Database but a default value of zero is substituted for the problematic value.

**Corrective Action:** Either fix the problematic field in the EPIC database and repeat the conversion process, or fix that field in the Media Database by means of the CTTMUP utility.
CTT268W NEXT VOLUME NOT FOUND FOR VOLUME: volser, DSN: dsName

**Explanation:** A volume chaining error was detected in the EPIC database. The specified data set name (dsName) resides on the specified volume (volser) and continues on another volume. However, the conversion program was unable to locate the continuation volume.

The conversion program continues. However, the volume chaining error will probably be propagated to the Control-M/Tape Media Database.

**Corrective Action:** Either fix the volume chaining error in the EPIC database and rerun the conversion program, or fix the error directly in the Control-M/Tape Media Database using the CTTMUP utility.

CTT269E CHAIN ERROR IN EPIC DATA. VOLSER: volser CUR_RECD: epic_rba

**Explanation:** A volume group chaining error was found in the EPIC database. The EPIC conversion program (CTTCEPC) could not create a multivolume group chain for volume volser located at record address epic_rba in the EPIC database.

The variables in this message are:

- volser -- Volume ID
- epic_rba -- Address of the volume record in the EPIC database

Conversion continues. However, the group chaining error found in the EPIC database is propagated to the Control-M/Tape database.

**Corrective Action:** Do one of the following:

- Fix the chaining error in the EPIC database, and repeat the conversion process.
- Fix the chaining error directly in the Control-M/Tape database using the CTTMUP utility.

CTT270E REQUEST PATH IS { data_set|volume } BUT stmt PARAMETERS CONTAIN FIELDS FROM { volume|data_set }

**Explanation:** Fields that are used as parameters in the INCLUDE, EXCLUDE or FIELDS statements are not valid with the specified path. Only data set fields can be used with the PATH=DATASET statement. Only volume fields can be used with the PATH=VOLUME statement.

The report is not produced.

**Corrective Action:** Remove the fields used as parameters that conflict with the selected path, or change the path.

CTT271E NEW EXTRACT STATEMENT IS NOT ALLOWED WHILE THE PREVIOUS ONE IS NOT CLOSED

**Explanation:** A new EXTRACT statement was specified before a REPORT statement was specified for the previous EXTRACT statement. A new EXTRACT block cannot be started before closing the previous EXTRACT block with a REPORT statement.

The report is not produced.
Corrective Action: Close the previous EXTRACT statement with a REPORT statement before specifying a new EXTRACT statement.

**CTT275E INCLUDE/EXCLUDE STATEMENTS MUST FOLLOW AFTER stmt STATEMENT**

Explanation: At least one INCLUDE or EXCLUDE statement specified for the CTTRTM or CTTVTM utility did not immediately follow the specified statement.

In the CTTRTM and CTTVTM utility, at least one INCLUDE or EXCLUDE statement must follow the TYPERET and TYPEVLT statements, respectively.

The utility stops execution.

Corrective Action: Place an INCLUDE or EXCLUDE statement immediately after the TYPERET or TYPEVLT statement. Rerun the utility.

**CTT276I VOLUME vol IN USE**

Explanation: This information message indicates that retention processing or vault processing is requested for the volume, but the volume is in use.

If the message is issued during retention processing, the CTTRTM utility skips the volume. If the message is issued during vault processing, the CTTVTM utility skips the volume and, if the volume is part of a multi-volume chain, the whole chain is skipped.

Corrective Action: No action is required.

**CTT277E INVALID EXPDT VALUE. RC: rc**

Explanation: An invalid Expiration Date as defined by the EXPDT parameter was specified in the user JCL.

The EXPDT value is ignored and the data set is given a default retention.

Corrective Action: No action is required.

**CTT278I VAULT vault IN VOLUME vol IS nn IN PATTERN**

Explanation: This information message indicates that the specified vault was found to be the \textit{nn}th vault in the vault pattern for the specified volume.

Corrective Action: No action is required.

**CTT279W CONTROL-M/TAPE IS ACTIVE, RESULTS ARE UNPREDICTABLE**

Explanation: The Control-M/Tape real-time environment remained active while the CTTCDB utility was running. The Media Database records created by CTTCDB might include integrity problems.

The CTTCDB utility continues processing.

Corrective Action: If this message is issued while you are running this utility for test purposes, ignore it. If this is a production execution of the CTTCDB utility, bring Control-M/Tape down and rerun the utility.

See the step that describes conversion of the Control-M/Tape Media Database in the Control-M/Tape chapter of the \textit{INCONTROL for z/OS Installation Guide}. 

1239
CTT280W VOLUME vol DEVICE dev IGNORED. NO CORRESPONDING MEDIA IN MEDIA TABLE

Explanation: The Media Table (the DADEVICE DD statement) did not contain an entry for the device specified in the message.

The current record is ignored.

Corrective Action: If this device should be defined in the Media Table, add an entry for it. Otherwise, consider this message as an information message.

CTT281I num VOLUME/DATASET RECORDS WERE CREATED

Explanation: This information message indicates the number of records written by the Conversion From MVS Catalog utility.

Corrective Action: No action is required.

CTT282W DUPLICATE DATASET dsn (VOL: volser, LABEL: lbl) DISCARDED

Explanation: A duplicate entry was detected for the specified data set during conversion of tape management data from an MVS catalog. While scanning the MVS catalog, the catalog conversion utility detected a more recent entry with the same volume and label number.

The data set with the latest creation date is taken. The referenced data set is dropped.

Corrective Action:
- If the entry is obsolete, then ignore the message and continue.
- Otherwise, resolve the conflict by updating your MVS catalog and rerun the conversion process.

CTT283W OBSOLETE DATASET dsn (VOL: volser LBL: lbl) DISCARDED.

Explanation: An obsolete entry was detected for the specified data set during conversion of tape management data from an MVS Catalog. A data set with a more recent creation date and a lower label number exists on the specified volume making the current entry obsolete.

The variables in this message are:
- dsn -- The data set name of the obsolete catalog entry.
- volser -- Volume serial number of the obsolete catalog entry.
- lbl -- Volume label of the obsolete catalog entry.

The specified catalog entry is ignored. The conversion program continues normally.

Corrective Action: No action is required.

CTT286E SPECIFIED VOLSER volser CANNOT BE {INITIALIZED | ERASED} RSN= rsn

Explanation: The CTTTP utility determined that the specified target volser cannot be initialized or erased.

Possible values of rsn:
- **ACTIVE IN MDB** - The specified volser is in the Media Database and its status is not SCRATCH.
- **ADD=N** - The specified volser is not in the Media Database. The ADD=N and MDBUPDAT=Y statements were specified in the TYPERUN statement.
- **OPER SKIPPED** - The operator responded to a program prompt with a request to skip the initialization or erasure of this volume.
- **OPER CANCELED** - The operator responded to a program prompt with a request to cancel the execution of the CTTTPI utility.

The specified volser is not initialized or erased. Execution terminates unless the reason is OPER SKIPPED, in which case processing continues with next volser or with the next control statement.

**Corrective Action:** If the reason was either OPER SKIPPED or OPER CANCELED, no action is necessary. If the reason was ACTIVE IN MDB or ADD=N examine the status of the volume in the Media Database and the parameters specified in the TYPERUN control statement. Change the settings for these if necessary.

**CTT287E TAPE INITIALIZATION FAILED. PROG= pgm**

**Explanation:** The *pgm* program returned a nonzero return code while trying to write a label on a tape volume. The specified program was called by the CTTTPI utility. This message is also issued if the operator responds ‘S’ (SKIP) to the IBM IEHINITT utility.

The CTTTPI utility is terminated.

**Corrective Action:** Examine the report produced by the *pgm* program, and take appropriate action.

**CTT288E MOUNTED VOLUME volser CANNOT BE USED. RSN= rsn**

**Explanation:** The CTTTPI utility determined that it could not write a new label on the mounted volume (*volser*).

Possible values for *rsn*:
- **ACTIVE IN MDB** - The specified volser is in the Media Database, and its status is not SCRATCH.
- **OPER REJECTED** - The operator responded to a program prompt with a request to not use the mounted volume for the requested initialization.
- **INVALID VOLSER** - The mounted volume is not the requested volume.

The CTTTPI utility unloads the mounted volume, and requests that another volume be mounted for the initialization of the same specified target volser.

**Corrective Action:** Do the following:
1. Remove the unloaded volume from the drive.
2. Either mount a new volume to continue the initialization process, or check the status of the volume in the Media Database and the parameters specified in the TYPERUN control statement, and change the settings if necessary.

**CTT289A MOUNT VOLUME TO BE INITIALIZED AS volser ON unit_num**

**Explanation:** The CTTTPI utility is requesting the mounting of a volume to be initialized on the specified device number (*unit_num*).
The message is scrolled off the screen and is followed by an ordinary MOUNT message (from MVS or from Control-M/Tape) for file CTTTPPI.UTIL.INIT. *volser* on device number *unit_num*.

**Corrective Action:** Do the following:

1. Mount the volume to be initialized as *volser* on the desired tape drive.
2. Verify that the volume is not write-protected. It is recommended that the volume be already externally labeled with the correct serial number.

**CTT290E OPEN FAILED FOR TAPE DD *ddName***

**Explanation:** The CTTTPPI utility was unable to access the designated tape drive using the *ddName* DD statement.

The CTTTPPI utility is terminated.

**Corrective Action:** Examine the JCL printout of the job, input JCL, job console log, and the allocated device. Correct all errors and rerun the CTTTPPI utility.

**CTT291A CONFIRM {ERAS | INIT} unit / *volser1* OLVD= *volser2* (status) D= *dsn* : Y/UNLOAD/SKIP/CANCEL***

**Explanation:** The CTTTPPI utility is requesting operator approval to initialize or erase the volume mounted on unit *unit*. If the user response is Y (Yes) the new label (*volser1*) is written over the old one (*volser2*). The status (*status*) of *volser2* is displayed in parentheses.

If no label previously existed for the volume, *volser2* appears as NO-LBL in this message.

If *volser2* is a standard label volume, the first data set name of the volume is shown in the message (*dsn*). Otherwise, the first data found on the tape (if any) is displayed in its place.

Possible values of *volser2* are:

- **ACTIVE!!** -- *volser2* is ACTIVE in the Media Database.
- **SCRATCH** -- *volser2* is SCRATCH in the Media Database.
- **NON-MDB** -- *volser2* is not found in the Media Database.
- **??????????** -- Status of the mounted volume is unknown.

**Note:**

If the CTTTPPI utility cannot read any data from the volume, the volume may never have been written, or the volume was written by another device.

The utility waits for the user response, after which it continues processing accordingly.

**Corrective Action:** Enter one of the following:


- **Y** -- Confirm the operation.
- **UNLOAD** -- Reject the mounted volume **volser2**. The CTTTPI utility proceeds to request another volume to be initialized as **volser1**.
- **SKIP** -- Reject the mounted volume and the specified target **volser1**. The CTTTPI utility proceeds with the next volser or the next control statement.
- **CANCEL** -- Terminate the CTTTPI utility. If the status of the volser is **ACTIVE!!**, use this option to end the operation, unless it is certain that the volser match between the mounted volume and the other active volume in the Media Database is coincidental.

**Note:**
No abbreviations are allowed for the UNLOAD, SKIP, or CANCEL responses.

**CTT292I INITIALIZED LABEL volser1 ON OLD VOLUME volser2**

**Explanation:** This information message indicates that the CTTTPI utility successfully completed initialization of a volume. Label **volser1** was written on a volume whose previous label was **volser2**. When `PROTECT=NOREAD` is specified, **volser2** appears as **UNKNOWN** in this message.

The CTTTPI utility continues processing with the next volser or with the next control statement.

**Corrective Action:** No action is required.


**Explanation:** This WTOR message is issued by the CTTTPI utility before it adds a volser to the Media Database (MDB).

The utility waits for the user’s response. It then continues processing accordingly.

**Corrective Action:** Enter one of the following:

- **Y** - Add the new volume to the MDB.
- **E** - Add the new volume to the MDB and mark it as External.
- **I** - Ignore the addition, and initialize the tape without adding the volume to the MDB.
- **SKIP** - Reject the specified target volume (**volser**). The CTTTPI utility proceeds with the next volser or the next control statement. **SKIP** cannot be abbreviated.
- **CANCEL** - Terminate the CTTTPI utility. **CANCEL** cannot be abbreviated.

**CTT294E SYNTAX ERROR IN CTTTPIV PARAMETER**

**Explanation:** The CTTTPI utility encountered a syntax error in the value specified for the PARM in the JCL EXEC statement or in the first value passed to it by an invoking program.

The CTTTPI program terminates.

**Corrective Action:** Correct the error and rerun the CTTTPI utility.
CTT295I VOLUME volser1 ERASED. OLD VOLUME volser2

Explanation: This information message indicates that the CTTTPI utility successfully completed erasing information on a volume.

The variables in this message are:
- volser1 - the identity of the volume that was erased
- volser2 - the identity of the volume label that read from the tape

The CTTTPI utility continues processing the next volser or the next control statement.

Corrective Action: No action is required.

CTT296E TAPE I/O ERROR. ECB: ecb_add

Explanation: A tape I/O operation that was issued by the CTTTPI utility failed.

In this message, ecb_add is the Event Control Block of the unsuccessful I/O operation.

If the CTTTPI utility was erasing a tape (TAPERAS) or initializing a tape (INITT), it stops processing.

If the CTTTPI utility was mapping a tape (TAPEMAP), it repeatedly tries to perform the I/O until it reaches the I/O error limit specified in the NUMERR parameter of the TAPEMAP statement.

Corrective Action: If the CTTTPI utility stops, rerun the job or started task using a different tape unit.

Messages CTT300 through CTT3xx

This group includes messages for the Control-M/Tape product.

CTT301I VOLUME vol BECAME SCRATCH

Explanation: This information message indicates that the CTTRTM utility deleted all data sets and changed the status of the volume to SCRATCH.

The utility continues executing.

Corrective Action: No action is required.

CTT302I DATASET dsn (VOLSER=volser) SCRATCHED ON THE MDB

Explanation: This information message indicates that the specified data set was marked SCRATCH by the CTTRTM utility according to the expiration criteria for the data set.

Corrective Action: No action is required.

CTT303I DATASET dsn (VOLSER=volser) HAS ENTERED ITS GRACE PERIOD

Explanation: This information message indicates that although the expiration date of a data set has been reached, the data set has not been expired, because a grace period was defined. However, when the grace period is over, the data set will be expired.

The variables in this message are:
Grace periods are defined by the GRACECAT and GRACECYC parameters in CTTPARM. For more information on these parameters, see the Control-M/Tape chapter in the INCONTROL for z/OS Installation Guide.

The utility continues processing normally.

**Corrective Action:** No action is required.

CTT304E DATASET dsn (VOLSER=volser) IS NOT UNCATALOGED. RC=rc

**Explanation:** The CTTRTM utility could not uncatalog the data set. The data set could not be uncataloged because of one of the following reasons:

- The MVS Catalog is not available.
- The specified data set is not found in the catalog.
- An I/O error occurred in catalog volume.

The CTTRTM utility skips the data set record and continues executing.

**Corrective Action:** Notify your system programmer of the value of rc.

CTT307E INCONSISTENCY BETWEEN REPORT NAME AND UTILITY MODE

**Explanation:** In the input parameters of the CTTRTM utility, there is an inconsistency between the values of the MODE parameter in the TYPERET statement, and the values of the REPORT NAME parameter. For example, MODE is set to REGULAR in the TYPERET statement for the RECALC report.

The utility stops executing.

**Corrective Action:** Correct the values of the TYPERET MODE parameter and the REPORT NAME, and rerun the utility.

CTT308E THERE ARE NO DATASETS ON VOLUME vol

**Explanation:** Volume vol is an active volume, but no data sets from the Media Database were found on the volume. This message indicates a logical error in the Media Database.

The CTTRTM utility continues processing.

**Corrective Action:** Notify your database administrator.

CTT309E NUMBER OF {VOLUMES | DATASETS} TO BE SCRATCHED (num) EXCEEDED THE LIMIT. CHANGES WERE NOT PERFORMED IN MDB

**Explanation:** More than the maximum number of volumes or data sets specified by the MAXVOLNO parameter or the MAXDSNO parameter, respectively, were marked for expiration during a run of the CTTRTM utility. Before scratching data sets or volumes, the CTTRTM utility checks how many volumes or data sets will be scratched in the current run of the utility.

In this message, num is the number of volumes or data sets that would have been marked for expiration by this run of the utility.
No volumes or data sets are scratched. The CTTRTM utility produces a Scratch report that describes the volumes and data sets that would have been scratched if the specified maximum were not exceeded.

**Corrective Action:** Determine why so many data sets were marked as expired and, if necessary, increase the limit for the maximum number of volumes or data sets that can be marked for expiration in the MAXVOLNO parameter or the MAXDSNO parameter.

**CTT320I** \texttt{rba : fileType OF recordType entity action}

**Explanation:** This information message indicates that a record was processed by the CTTMER or CTTSPL utilities.

The variables in this message are:
- \texttt{rba} -- RBA of the record in the MDB.
- \texttt{fileType} -- Either DATA or INDEX.
- \texttt{recordType} -- Type of MDB record processed (for example D for data set, V for volume).
- \texttt{entity} -- Identifier, data set name for a data set record, volser for a volume record.
- \texttt{action} -- Any of the following:
  - NOT-DELETED (RESTART)
  - DELETED
  - ADDED
  - RESTART-DELETED

**Corrective Action:** No action is required.

**CTT321E** VOLSER OF RECORD TO BE MERGED EXISTS IN MDB. RBA: \texttt{rba} VOLSER: \texttt{volser}

**Explanation:** The CTTMER utility tried to merge a record that already exists in the Media Database. The records that CTTMER was merging into a target Media Database were split off from another Media Database by the CTTSPL utility. These records can only be merged into the target Media Database if they, that is, their volser, do not already exist there. However, the volser of the record identified in the message already exists in the target Media Database.

CTTMER ignores this record, and does not merge it to the Media Database. The original record in the source Media Database remains unchanged. CTTMER continues to process the rest of the records.

**Corrective Action:** Check why the record to be merged already exists in the target Media Database.

**CTT330E** INVALID SILO TYPE - \texttt{type}

**Explanation:** An invalid silo type was specified in the CTT Parm member.

Valid values of \texttt{type} are:
NONE -- No silo installed.

3495 -- IBM 3495 Automated Tape library.

STK -- StorageTek Silo.

**Corrective Action:** Specify a valid silo type (if desired).

CTT331E INVALID SILO FUNCTION - *func*

**Explanation:** The CTTRBM utility was invoked with an invalid silo function input parameter.

The following silo functions (*func*) are valid when invoking the CTTRBM utility:

- CUASCR -- Set a volume use attribute to SCRATCH.
- EJECT -- Eject a volume from the Automated Tape library.

**Corrective Action:** Correct the procedure used to invoke the CTTRBM utility.

CTT332I REPORT FILE DOES NOT CONTAIN RELEVANT DATA

**Explanation:** This information message indicates that the report file passed to the CTTRBM utility does not match the requested silo function.

**Corrective Action:** If desired, either request the CUASCR silo function for the SCRATCH or FULLSCR report of the Retention Management Utility (CTTRTM), or request the EJECT silo function for the DISTRIB report of the Vault Management Utility (CTTVTM).

CTT333I VOLUME *volser* NOT IN AUTOMATED LIBRARY. (INTERFACE MODULE IS *modName*)

**Explanation:** This information message indicates that a robot function requested for the specified volume failed because the volume cannot be found in the Automated Tape library.

In this message, *mod_name* is one of the following Automated Tape library Interface module names:

- CTTSTK -- Interface to a StorageTek silo.
- CTTSTK -- Interface to a StorageTek silo.
- CTOAM -- Control-M/Tape interface to an automated tape library controlled by an OAM such as IBM ATL or IBM VTS.
- CTTMMRX -- Interface to a SUTMYN robotic tape library.
- CTTMMRX -- Interface to a SUTMYN robotic tape library.
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Possible system actions:

- If *modName* specifies the last library to be searched, CTTRBM continues processing with the next volume.
- If *modName* specifies a library other than the last library to be searched, CTTRBM searches for the same volume (*volser*) in the next tape library.

**Corrective Action:** To suppress this message, see the description of user exit CTTX008 in the *Control-M/Tape Implementation Guide.*
CTT334E FUNCTION func FAILED. VOLSER=volser, OPCODE=opc, RC=rc, REASON=rsn, INTERFACE=modName

**Explanation:** The silo function requested for a volume failed. The software of the robotic tape library returns the operation code opc, the return code rc in decimal format, and the reason rsn in hexadecimal format.

In this message, modName is one of the following Automated Tape library Interface module names:

- CTTRSTK -- Control-M/Tape interface to a StorageTek silo.
- CTTOAM -- Control-M/Tape interface to an automated tape library controlled by an OAM such as IBM ATL or IBM VTS.
- CTTMMRX -- Control-M/Tape interface to a Memorex Telex robotic tape library.
- CTTTHACC -- Control-M/Tape interface to an ADIC robotic tape library.
- CTTFUJI -- Control-M/Tape interface to a Fujitsu robotic tape library.

Possible system actions:

- If modName indicates the last library to be searched, the CTTRBM utility continues processing with the next volume.
- If modName indicates a library other than the last library to be searched, the CTTRBM utility searches for the same volume (volser) in the next tape library.

**Corrective Action:** Refer to the messages and codes documentation for your tape robot or silo for a description of the codes returned in this message.

CTT335E REPORT TYPE type IS IRRELEVANT FOR AUTOMATED TAPE LIBRARY

**Explanation:** The report file passed to the CTTRBM utility is inappropriate for the requested silo function. The report passed to the CTTRBM utility was neither a SCRATCH report nor a DISTRIB report.

The CTTRBM utility is terminated.

**Corrective Action:** Do one of the following:

- Pass a CTTRTM SCRATCH report to the CTTRBM utility, while specifying the CUASCR silo function.
- Pass a CTTVTM DISTRIB report to the CTTRBM utility, while specifying the EJECT silo function.

CTT336E SILO INTERFACE modName LOAD FAILED

**Explanation:** The CTTRBM utility was unable to load the specified interface module.

In this message, modName is one of the following Automated Tape library Interface module names:
- CTTSTK - Control-M/Tape interface to a StorageTek silo.
- CTTOAM -- Control-M/Tape interface to an automated tape library controlled by an OAM such as IBM ATL or IBM VTS.
- CTTMMRX - Control-M/Tape interface to a Memorex Telex robotic tape library.
- CTTEMAS - Control-M/Tape interface to an EMAS robotic tape library.
- CTTFUJI - Control-M/Tape interface to a Fujitsu robotic tape library.

The specified interface is not used. The CTTRBM utility continues processing with the other interfaces (if any are loaded). If no other interfaces are loaded, the CTTRBM utility is terminated.

**Corrective Action:** If the specified interface is not needed, remove it from the specification for the RBTTYPE parameter in the CTTPARM member. If the specified interface is needed, add the appropriate module to one of the STEPLIB or LINKLIST libraries.

**CTT337E {SCRATCH | ACTIVATE} FOR VOLUME volser FAILED DUE TO CONTRADICTING STATUS IN THE MDB**

**Explanation:** Control-M/Tape initiated a SCRATCH or ACTIVATE operation on the specified volume (volser) in the database of the robot. However, the current status of this volume in the Media Database is incompatible with the attempted operation. The status of each volume in the Media Database and the robot database must be the same.

There was probably a delay between the issuance and execution of the robot request. During which the status of the specified volume was changed in the Media Database.

In this message, volser is the volume whose status update attempt is not compatible with its status in the Media Database.

The status of the volume is not changed in the robot database.

**Corrective Action:** Do one of the following:

- If the volser was directly accessed as a scratch volume (SCRPROT set to N in CTTPARM) before Control-M/Tape was able to access the robot, ignore this message.
- In all other cases, determine why the status update attempt for the volume in the robotic library contradicts its status in the Media Database. If necessary, correct the volume status in the Media Database using the Inquire Update Screen, the CTTMUP utility, or the robotic library using the standard robotic library update utility.

**CTT338I RETRY retry ctr (OUT OF max_retry) FOR VOLUME volser INITIATED**

**Explanation:** This information message indicates the current retry number for an action requested of a robotic tape library. This message is generated each time the action is retried.

Control-M/Tape requested an action from a robotic tape library. The action failed and is being retried. Each time the action is attempted, the retry number is incremented. The action is not retried if the action is successfully performed, or if the specified maximum number of retries is exceeded.

Message variables are:
retry_ctr -- Retry number of the current attempt.
max_retry -- Maximum number of retries allowed for a robot operation on the specified volume.
volser -- Volser of the volume on which the requested action is to be performed.

Processing continues normally.

**Corrective Action:** Verify that the retry was completed successfully.

**Explanation:** The robotic library function `func` that was requested by means of the robot_int robotic interface module was successfully performed for the volser volume.

See message CTT333I for a list of interface modules and the robotic libraries with which they are associated.

**Corrective Action:** No action is required.

**Explanation:** This information message indicates that the CTTVEXP utility successfully issued the EXPORT command to the Virtual Tape Server (VTS) and the export list volume is `volser`. The EXPORT command ejects physical tapes from the VTS so that logical VTS volumes can be put into external vaults. CTTVVM created `volser` earlier.

CTTVEXP waits for messages from OAM indicating that export processing is finished.

**Corrective Action:** No action is required.

**Explanation:** The CTTVEXP utility could not export tapes from the Virtual Tape Server (VTS).

Possible reasons are:

- The EXPORT command of the CBRXLCS service failed.
- The EXPORT command did not fail, but OAM issued error messages.

CTTVEXP stops.

**Corrective Action:** Do one of the following:
- The CTT074E message that precedes CTT341E shows the return code and the reason code of the CBRXLCS EXPORT command. Check these codes in IBM documentation for details and fix the error.

- Search the system log for IBM messages CBR3857I, CBR3858I and CBR3863I, or for similar messages. Then, check IBM documentation for explanations and fix the error.

CTT342I UTIL IS RUNNING IN SIMULATION MODE

**Explanation:** This information message indicates that the CTTVVM or CTTVEXP utility is running in simulation mode. When CTTVTM runs in simulation mode (TYPERUN MODE is set to SIMULATION), CTTVTM notifies CTTVVM and CTTVEXP, so that they also run in simulation mode.

In simulation mode, CTTVVM does not create the Export List volume or the Import List volume and CTTVEXP does not perform any EXPORT command.

**Corrective Action:** To export tapes from the VTS, run CTTVTM with TYPERUN MODE set to NORMAL.

CTT343I VOLSER volser SKIPPED BECAUSE OF TEST MODE

**Explanation:** This information message indicates that a volume with serial number volser was not exported because Control-M/Tape processed it in test mode. Test mode is set with the expression MODE=TEST in CTTPARM, or by a rule specifying MODE TEST. Control-M/Tape does not export a volume from the VTS (Virtual Tape Server) that it processed in test mode.

CTTVVM does not include the volser in the Export List File.

**Corrective Action:** If you intend to export a volume, make sure Control-M/Tape is not in test mode when it processes the volume.

CTT344E VOLSER volser NOT EXPORTED BECAUSE OF PREVIOUS ERROR

**Explanation:** Volume with serial number volser was not exported because of an earlier error. Control-M/Tape does not export a volume serial number if an error occurred while Control-M/Tape was processing it.

CTTVVM does not include the volser in the Export List File.

**Corrective Action:** Check the error message before CTT344E, fix the problem and try again.

CTT345E MAINTENANCE FOR VENDOR TAPE MANAGEMENT SYSTEM SUPPORT HAS NOT BEEN APPLIED TO EXLM

**Explanation:** The StorageTek ExLM level does not support vendor tape management systems. Control-M/Tape uses the StorageTek ExLM vendor tape management systems support to interface with ExLM.

ExLM processing terminates.

**Corrective Action:** See the section that describes the Robotic Tape Library Interface in the Control-M/Tape Implementation Guide for the minimum ExLM level required for the interface.

CTT346E LOCATION CANNOT EXCEED THE TENTH VAULT

**Explanation:** The CTTVVM utility was invoked with the expression MODE=ALLVLT to export a volume with a vaulting pattern that has more than ten vaults, and the next requested vault is beyond the tenth.
When the CTTVVM utility exports volumes from the Virtual Tape Server (VTS) based on the complete vaulting pattern (MODE=ALLVLT), it supports a maximum of ten vaults in each vaulting pattern. Since the next vault of the volume specified in the CTT344E message that accompanies this message is beyond the tenth vault, CTTVVM cannot export this volume.

CTTVVM issues message CTT344E, which specifies the volser for the volume that caused this error. This volume is not included in the Export List file created by this run.

**Corrective Action:** Use the CTTVVM utility with MODE set to FIRSTVLT to export the volume based on the first vault only.

**CTT347I func LIST VOLUME CREATED ON VOLSER volser**

**Explanation:** This information message indicates that the CTTVVM utility successfully created an Import or Export List volume.

Message variables are:

- **func** -- Whether an Import or an Export List volume was created.
- **volser** -- Volume serial number of the new volume.

If CTTVVM created an Export List volume, CTTVVM passes its volser to CTTVEXP by means of DD card VVMVOL and CTTVEXP issues the EXPORT command.

**Corrective Action:** If CTTVVM created an Import List volume, check that the physical volumes that contain the logical volumes to be imported are in the library. Then, issue the IMPORT command.

**CTT348E INVALID EXPORT STATUS FILE IDENTIFIER**

**Explanation:** The CTTVEXP utility could not read the Export Status File to produce a status report, because Control-M/Tape does not support the Export Status file identifier. CTTVEXP stops without issuing a report.

**Corrective Action:** Check that Export processing finished successfully, and that OAM messages indicate that an Export Status file was created. If necessary, notify your INCONTROL administrator.

**CTT349I EXPORT FOR LOGICAL VOLSER log_volser, STATUS CODE=stat_code {PHYSICAL VOLSER IS phys_volser, DESTINATION IS dest| REASON IS rsn}**

**Explanation:** This information message indicates the results of the CTTVEXP export operation. The information is based on the Export Status File records, where **log_volser** is the serial number of the logical volume, and **stat_code** is the export status code.

If the export operation succeeded, **phys_volser** specifies the serial number of the physical volume to which the logical volume was exported and **dest** specifies the destination.

If the export operation ended with an error, **rsn** describes the nature of the error.

**Corrective Action:** Refer to IBM documentation to resolve errors during processing of logical volumes.
**CTT350I** DYNAMIC STACKING ON VOLUME vol PERFORMED FOR:

**Explanation:** This information indicates that dynamic stacking was successfully performed on the specified volume. This message is followed by message CTT351I, which contains details about the stacked data set.

**Corrective Action:** No action is required.

**CTT351I** JOBNAME=jobName DDNAME=ddName DSN=dsn

**Explanation:** This information message follows message CTT350I. It provides details about the data set that will be added to the volume specified in CTT350I.

**Corrective Action:** No action is required.

**CTT352S** STACKING PROCESSING STOPPED FOR JOB jobName - REASON:

**Explanation:** An error was encountered during the stacking process for job jobName. This message is followed by another message that has details about the error.

Stacking stops for this job.

**Corrective Action:** Check the accompanying error message for details about the error.

**CTT353S** INSUFFICIENT STORAGE FOR STACKING PROCESSING

**Explanation:** This message follows message CTT352S when there is insufficient storage for stacking processing.

Stacking processing stops for this job.

**Corrective Action:** Notify your INCONTROL administrator.

**CTT354S** INTERNAL ERROR IN STACKING PROCESSING - CODE=code

**Explanation:** This message follows message CTT352S when an internal error in encountered during stacking processing.

Stacking processing stops for this job.

**Corrective Action:** Notify your INCONTROL administrator.

**CTT355S** ABEND Sxxx IN MODULE modName OFFSET=X'offset' (LOAD - POINT=load_point)

**Explanation:** This message follows message CTT352S when an internal abend occurs in stacking processing.

The message contains details about the abend: abending module name, abending load module load point, and offset of the abending instruction in the module.

Stacking processing stops for this job and a system dump is produced.

**Corrective Action:** Format and save the dump, and notify your INCONTROL administrator.
CTT356W STACKING STOPPED FOR DATASET dsn

**Explanation:** Control-M/Tape could not satisfy the stacking requirements for the dsn data set.

This message is followed by a message describing why the data set could not be stacked and why the stacking requirements could not be satisfied.

Stacking stops for the specified data set. The job continues without stacking for the dsn data set. The data set is written to a scratch volume.

**Corrective Action:** See later messages for details about the error and correct the problem.

CTT357W REACHED SEARCH LIMIT FOR STACKABLE VOLUME, LIMIT=limit

**Explanation:** The search limit for a stackable volume has been reached. This message follows message CTT356W, which specifies the data set for which stacking has stopped.

Stacking stops for the data set. The job continues without stacking for this dsn. The search for the next stackable volume begins from the volume reached in this search.

**Corrective Action:** Check and, if necessary, adjust the search limit for stackable volumes, defined in the STKSRCHL parameter in the CTTPARM member.

CTT358W MATCHING RULE SPECIFIED ‘DO RETENTION=EDM’

**Explanation:** DO RETENTION=EDM is specified in the matching rule. Stacking cannot be performed for EDM-controlled data sets.

This message follows message CTT356W, which specifies the data set for which stacking stopped.

Stacking stops for the data set. The job continues without stacking for this dsn.

**Corrective Action:** Use the Rule Simulation Facility to find matching rules for the data set. Check matching rules for conflicts between stacking definitions and other definitions (for example, retention definitions).

CTT359W MATCHING RULE SPECIFIED ‘TEST’ MODE

**Explanation:** TEST mode is specified in the matching rule. Stacking is not performed for data sets matched by rules with mode TEST.

This message follows message CTT356W which specifies the data set for which stacking has stopped.

Stacking stops for the data set. The job continues without stacking for this dsn.

**Corrective Action:** Use the Rule Simulation Facility to find matching rules for the data set. Check matching rules for conflicts between stacking definitions and other definitions (for example, mode definitions).

CTT360W MATCHING RULE CONTAINS VAULT ENTRIES

**Explanation:** The matching rule contains vault entries, and the stacking algorithm specified by the STKMODE parameter in the CTTPARM member does not allow vault matching.

This message follows message CTT356W, which specifies the data set for which stacking stopped.

Stacking stops for the data set. The job continues without stacking for this DSN.

**Corrective Action:** Do the following:
1. Use the Rule Simulation Facility to find the matching rules for the data set.
2. Verify that the matching rule does not conflict with the stacking algorithm defined by means of the STKMODE parameter in the CTTPARM member.

To use vault matching in the stacking algorithm set STKMODE to R or A.

**CTT361W NO STACK RECORD FOR DATASET**

**Explanation:** The data set to be stacked is not in the Stacking Database, and a default size value is not specified. The search process must locate the data set record in the Stacking Database to determine its average size.

This message follows the CTT356W message, which specifies the data set for which stacking stopped.

Stacking stops for the data set. The job continues without stacking for this data set.

**Corrective Action:** Do one or more of the following:
- Run the CTTSTK utility to collect statistical information for the Stacking Database.
- Use the STKDEFSZ parameter in the CTTPARM member to specify a default size for data sets not defined in the Stacking Database.
- Use the DO STKDEFSZ option in a Control-M/Tape rule to specify a default size for data sets not defined in the Stacking Database.

**CTT362W DATASET IS NOT STACKABLE**

**Explanation:** The specified data set record is marked NOT STACKABLE in the Stacking Database. Stacking cannot be performed for NOT STACKABLE data sets.

This message follows message CTT356W which specifies the data set for which stacking stopped.

The data set record was marked NOT STACKABLE for one of the following reasons:
- The data set was opened with DIPS=MOD specified in the JCL.
- The data set was recreated on the volume.
- The data set was opened by a job step that specified //NOSTACK DD.

Stacking stops for the data set. The job continues without stacking for this dsn.

**Corrective Action:** No action is required.

**CTT363W POOL pool IS NOT DEFINED**

**Explanation:** The matching rule specifies a pool not defined to Control-M/Tape.

This message follows message CTT356W, which specifies the data set for which stacking stopped.

Stacking stops for the data set. The job continues without stacking for this dsn.

**Corrective Action:** Do the following:
1. Use the Rule Simulation Facility to find the matching rules for the data set.
2. Either define the pool name by means of screen TP, or replace the pool name in the rule with the name of a previously defined pool.
CTT364W INVALID POOL FOUND IN MEMORY

**Explanation:** The pool name in the matching rule has an invalid pointer in memory. It points to an area in memory that cannot be identified as a pool block.

This message follows message CTT356W, which specifies the data set for which stacking stopped. Stacking stops for the data set. The job continues without stacking for this dsn.

**Corrective Action:** Reload the pool table into memory with the following operator command:  
```s
CTTINIT,PARM='RELOAD,TBLT=POOL'
```

CTT365W NO ELIGIBLE VOLUME FOR STACKING IN POOL *pool*

**Explanation:** All volumes in all ranges of the specified pool were searched, and none satisfied the search process requirements. The search process searches all volumes in the specified pool for a stackable volume. The search starts at the last found volser, and checks volsers one at a time until the first searched volser is encountered (that is, until a loop is detected).

This problem is probably due to one of the following reasons:

- Incorrectly defined pool ranges.
- The wrong pool was requested by the job.
- Invalid stacking criteria were defined.

This message follows message CTT356W which specifies the data set for which stacking stopped. Stacking stops for the data set. The job continues without stacking for this dsn.

**Corrective Action:** Determine the reason for this error and correct the problem.

CTT366W NO MEDIA ENTRIES WERE DEFINED IN CTTPARM

**Explanation:** The search process found that no Media entries were defined in CTTPARM. The search process uses the values specified for the Media parameters in CTTPARM to calculate the remaining size on a volume.

This message follows message CTT356W which specifies the data set for which stacking stopped. Stacking stops for the data set. The job continues without stacking for this dsn. No data set stacking can be performed until this problem is corrected.

**Corrective Action:** Define Media parameters in CTTPARM, as explained in the Control-M/Tape chapter of the *INCONTROL for z/OS Installation Guide*. Definition of these parameters only takes effect after Control-M/Tape is brought down and restarted.

CTT367I DDNAME *ddName* OF JOB *jobName* CHANGED TO DEFERRED MOUNT

**Explanation:** This information message indicates that the specified immediate request for a scratch tape was changed to a deferred request by Control-M/Tape.

Under JES3, dynamic data set stacking is performed only in deferred mode. When a job is interpreted by JES3, Control-M/Tape searches the job for created data sets that are candidates for stacking. If any of the scratch requests for tapes for these candidate data sets are in immediate mode, Control-M/Tape changes them to deferred mode so that stacking can be performed.
The variables in this message are:

- **ddName** -- A data set DD name that is a candidate for stacking.
- **jobName** -- The name of the job interpreted by JES3 that created the data set referenced by **ddName**.

The job continues. The DD allocation is deferred so that stacking can be performed.

**Corrective Action:** No action is required.

**CTT368W SEARCH STOPPED BY EXIT 10**

**Explanation:** User Exit CTTX010 requested that stacking search processing be stopped for the data set. The exit request causes a halt in the stacking process for the data set specified in message CTT356W which follows this message.

Stacking stops for the data set. The job continues and a scratch volume is requested for the data set.

**Corrective Action:** No action is required.

**CTT369W FUNCTION **func** FAILED. VOLSER=volser, OPCODE=opc, RC=rc, REASON=rsn, INTERFACE=modName**

**Explanation:** The silo function requested for a volume ended with a warning.

The software of the robotic tape library returns the operation code **opc**, the return code **rc** in decimal format, and the reason **rsn** in hexadecimal format.

In this message, **modName** is one of the following Automated Tape library Interface module names:

- **CTTRSTK** - Control-M/Tape interface to a StorageTek silo.
- **CTTOAM** - Control-M/Tape interface to an automated tape library controlled by an OAM such as IBM ATL or IBM VTS.
- **CTTMMRX** - Control-M/Tape interface to a Memorex Telex robotic tape library.
- **CTTHACC** - Control-M/Tape interface to an ADIC robotic tape library.
- **CTTFUJI** - Control-M/Tape interface to a Fujitsu robotic tape library.

If **modName** indicates the last library to be searched, the CTTRBM utility continues processing with the next volume. If **modName** indicates a library other than the last library to be searched, the CTTRBM utility searches for the same volume (**volser**) in the next tape library.

**Corrective Action:** Refer to the messages and codes documentation for your tape robot or silo for a description of the codes returned in this message.

**CTT370E VOLSER volser HAS NO VAULTING PATTERN**

**Explanation:** CTTVVM cannot process the volume whose serial number is **volser**, because it has no vaulting pattern. The CTTVVM utility groups logical volumes by their vaulting patterns. No vaulting pattern is an integrity error in the Media Database (MDB).

The CTTVEXP utility issues error message CTT344E and does not include the volser volume serial number in the Export List file.
Corrective Action: Use the CTTIDB utility to check the integrity of the MDB. Then, fix the errors.

CTT371I LOGICAL VOLSER log_volser, IS TO BE IMPORTED FROM PHYSICAL VOLSER phys_volser

Explanation: This information message specifies the serial numbers for a logical volume (log_volser) that should be imported, and the physical volume (phys_volser) from which it should be imported. The CTTWVM utility determines when a logical volume should be imported back to the Virtual Tape Server (VTS).

The CTTWVM utility produces an Import List File for the volume with the specified serial number.

Corrective Action: Issue an IMPORT command. Refer to the previous CTT347I message for the serial number of the Import List volume.

CTT372E util CAN NOT RUN WHEN CONTROL-M/TAPE IS NOT ACTIVE

Explanation: The CTTWVM or CTTVEXP utility could not run because Control-M/Tape is not active. Control-M/Tape intercepts OAM messages about completion of the export operation in a real-time environment. For this reason, Control-M/Tape must be active when the CTTWVM and CTTVEXP utilities run.

The specified utility stops.

Corrective Action: Start Control-M/Tape and rerun CTTWVM and CTTVEXP.

CTT373W FUNCTION func FOR VOLUME volser FAILED - VOLUME IS IN USE

Explanation: Control-M/Tape tried to perform the func function on the volser volume in the robotic tape library, but the robotic tape library returned an error because the tape is currently being used by the robotic tape library.

The utility continues processing. The IOA Functional Monitor will later automatically retry the func function on the volser volume.

Corrective Action: No action is required.

CTT374W CLEANUP FOR {VOLUME vol| LABEL vol label} COMPLETED WITH AN ERROR. REASON=rsn

Explanation: An error occurred during "volume cleanup" or "label cleanup."

Volume cleanup is the deletion from the Media database of all data set records of a volume.
Label cleanup is the deletion from the Media database of a database record.

Cleanup occurs when
- A scratch volume is used for a mount request. Control-M/Tape must delete all the old data set records of the volume from the Media database before the new data sets are tracked into the Media database.
- A volume is deleted from the Media database. Control-M/Tape must delete all the data set records of the volume before deleting the volume record.

The variables in this message are:
- vol - the identity of the volume
- label - the identity of the database record
- rsn - a 4-digit reason code

Possible values of rsn, and their explanations, are shown in the following table:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>No data set record for L-Index</td>
</tr>
<tr>
<td>0002</td>
<td>Attempt to remove an active data set</td>
</tr>
<tr>
<td>0003</td>
<td>Active data set on a non-active volume</td>
</tr>
<tr>
<td>0004</td>
<td>Record of the first volume of the data set not found</td>
</tr>
<tr>
<td>0005</td>
<td>The first volume of the multi-volume chain differs from the first volume of the data set</td>
</tr>
<tr>
<td>0006</td>
<td>Non-active volume in an active multi-volume chain</td>
</tr>
<tr>
<td>0007</td>
<td>The volume update function failed for a volume</td>
</tr>
<tr>
<td>0008</td>
<td>The update function failed for a volume</td>
</tr>
<tr>
<td>0009</td>
<td>A data set that had already been found could not be read at deletion time</td>
</tr>
<tr>
<td>0010</td>
<td>Data set deletion failed</td>
</tr>
<tr>
<td>0011</td>
<td>Next volume expected but not found</td>
</tr>
<tr>
<td>0012</td>
<td>A volume other than the first in a multi-volume chain could not be read</td>
</tr>
<tr>
<td>0013</td>
<td>A volume other than the first in an active multi-volume chain is not active</td>
</tr>
<tr>
<td>0014</td>
<td>The volume update function failed for a volume other than the first in a multi-volume chain</td>
</tr>
<tr>
<td>0015</td>
<td>The first volume in a multi-volume chain differs from the first volume of a data set (other than the first)</td>
</tr>
</tbody>
</table>
The cleanup process is performed only for the current volume in the multi-volume chain of which it is part. Processing continues normally.

**Corrective Action:** Use the CTT1DB utility to check the logical integrity of the Media database, and correct all errors that are reported by the utility. For more information, see the description of verifying Media database integrity in the Control-M/Tape Implementation Guide.

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0016</td>
<td>The update function failed for a volume other than the first in a multi-volume chain</td>
</tr>
<tr>
<td>0017</td>
<td>Database access error while reading the L-index</td>
</tr>
<tr>
<td>0018</td>
<td>The expected L-index was not found</td>
</tr>
<tr>
<td>0019</td>
<td>The L-index has a non-matching RBA</td>
</tr>
<tr>
<td>0020</td>
<td>An attempt to delete the L-index failed</td>
</tr>
<tr>
<td>0022</td>
<td>The update function failed for a data set (DDSVOLS#)</td>
</tr>
</tbody>
</table>

**CTT381I**

**Explanation:** This information message contains summary information on each data set for which statistical calculations regarding average data set size have been performed.

This message follows the CTT380I message, which provides column headers for the information in this CTT381I message.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **jobName** - the name or user ID of the job which created the data set
- **dsn** - the name of the data set
- **c_obs** - the number of observations used for statistical calculations before the present run
- **c_size** - the data set average size, calculated on the basis of \( c_{\text{obs}} \)
- **n_obs** - the number of observations used for statistical calculations (including the present run) This number differs from \( c_{\text{obs}} \) by the number of valid runs of \( \text{jobName} \) and \( \text{dsn} \) since the previous run of the CTTSTK utility
- **n_size** - the data set average size, calculated on the basis of \( n_{\text{obs}} \)
- **max_size** - the data set maximum size encountered in the present run This value is meaningful only if more than one new observation has been encountered for the \( \text{jobName} \) and \( \text{dsn} \) statistics
- **min_size** - the data set minimum size encountered in the present run This value is meaningful only if more than one new observation has been encountered for the \( \text{jobName} \) and \( \text{dsn} \) statistics
- **s_dev** - the standard deviation for the average size of the data set, calculated on the basis of \( n_{\text{obs}} \)

**Corrective Action:** No action is required.

**CTT390S FAILED TO OPEN DDNAME \( ddName \).**

**Explanation:** Open of the \( ddName \) DD statement failed.

Possible causes are:
- The \( ddName \) DD statement is missing.
- The data set described by the \( ddName \) DD statement does not exist.

Execution stops.

**Corrective Action:** Correct the JCL of the job and rerun.

**CTT394S INVALID PARAMETER - \( parm \)**

**Explanation:** An invalid parameter was specified.

If this message was issued during execution of the CTMBLT utility, it is followed by message BLT895I and/or BLT896I, which identify the problematic job, keyword, and value. This message may also be issued by the CTMBUPD utility.

The report or utility stops executing with a condition code of 08 or 12.

**Corrective Action:** For the syntax of the parameter for the report or utility, see either the INCONTROL for z/OS Administrator Guide or the INCONTROL for z/OS Utilities Guide, as appropriate.

**Messages CTT400 through CTT4xx**

This group includes messages for the Control-M/Tape product.
CTT400S INVALID RETURN CODE FROM SORT = rc. CHECK THE SORT MANUAL

Explanation: A sort program that has been activated internally ended with an unexpected return code (rc).

The program stops executing with a condition code higher than 08.

Corrective Action: Refer to documentation for the sort program and to the sort messages of the job to clarify the reason.

CTT401S INTERNAL ERROR, REASON: rsn

Explanation: Control-M/Tape failed during the dynamic installation process for MVS Tape Label Processing Exits.

The started task of Control-M/Tape real-time environment is stopped.

Corrective Action: Contact BMC Software technical support.

CTT402S INCONSISTENCIES FOUND IN MODULE mod: {LENGTH | V-CONSTANT} MISMATCH

Explanation: Control-M/Tape failed during the dynamic installation process for MVS Tape Label Processing Exits. Control-M/Tape found an inconsistency between the modules in the LPA and in the SYS1.LPALIB library.

The started task in the Control-M/Tape real-time environment is stopped.

Corrective Action: Make sure the module in error is match between the LPA and SYS1.LPALIB. If you have recently applied the IBM PTF to the SYS1.LPALIB library, then perform an IPL or add the LPALIB DD statement to the CTTINIT procedure that points to the SYS1.LPALIB library before applying the IBM PTF.

CTT420I MODULE: modName CSECT: csect

Explanation: This information message follows other messages concerning the dynamic intercept process and identifies the module and CSECT in error.

Corrective Action: No action is required.

CTT421S VERIFY REJECTED. INTERCEPT: i_id VER-ID: v_id

Explanation: One of the dynamic intercepts failed verification. Verification of an MVS module failed. The verification is done against the module in memory (LPA). The module or CSECT names are identified by CTT420I.

The dynamic intercept process is terminated. The failing CSECT is dumped into the data set pointed to by the DADUMP DD statement.

Corrective Action: Make sure that the intercepts are not already applied. Keep the dump of the failing CSECT. Contact BMC Software Customer Support.
CTT422S MODULE *modName* NOT FOUND IN LPA/MLPA/FLPA

**Explanation:** One of the dynamic intercept modules was not found in the Active LPA Queue (FLPA or MLPA) or in PLPA. The module is searched in the LPA, MLPA, or FLPA of the current active system. The dynamic intercept process is terminated.

**Corrective Action:** Contact BMC Software Customer Support.

CTT423S CSECT *csect* NOT FOUND IN MODULE *modName*

**Explanation:** One of the dynamic intercept CSECTs was not found in the *modName* module. The CSECT is searched in the specified module that resides in your STEPLIB libraries or in the cataloged SYS1.LPALIB library.

The dynamic intercept process is terminated.

**Corrective Action:** Contact BMC Software Customer Support.

CTT424S CTTIDYN INTERNAL ERROR. CODE: *rc* REASON: *rsn*

**Explanation:** An internal error occurred in the dynamic intercept process. The dynamic intercept process is terminated. All the intercepts already processed are rejected. The module or CSECT names are identified by CTT420I.

**Corrective Action:** Contact BMC Software Customer Support.

CTT425S {ALLOC | UNALLOC} FAILED FOR DDNAME *ddName*

**Explanation:** The specified action failed for the specified DD statement. The dynamic intercept process is terminated.

**Corrective Action:** Contact BMC Software Customer Support.

CTT426W LENGTH MISMATCH. MODULE: *modName* CSECT: *csect*

**Explanation:** There is a difference in length between the memory copy (in LPA) and the disk copy (in SYS1.LPALIB) of a specified module. This situation indicates a problem in the environment.

The dynamic intercept process continues.

**Corrective Action:** No action is required.

CTT427S SVC UPDATE FAILED FOR *modName*. RC: *rc*

**Explanation:** The SVCUPDTE function failed with the specified return code. The Control-M/Tape SVC could not be installed.

The dynamic intercept process is terminated.

**Corrective Action:** Contact BMC Software Customer Support.

CTT428I REMOVE PROCESSING STARTED

**Explanation:** This information message indicates that the dynamic intercept process is reversed and the MVS intercepts are being removed.
This message is the result of one of the following:

- Starting the CTTINIT utility with the MODE parameter set to REMOVE.
- A failure during the dynamic intercept process.

If the reason for this message is failure of the dynamic intercept process, after the intercepts are removed, the currently executing utility (CTTINIT or CTTHSMP) terminates.

**Corrective Action:** No action is required.

**CTT429S** ZAP: zap REP: rep_num NOT IN PLACE. ADDR: add  
**Explanation:** Removal of Control-M/Tape intercepts failed. The expected intercept code was not found. The Dynamic Intercepts Removal Process stops.  
**Corrective Action:** Notify BMC Software Customer Support.

**CTT430S** INCONSISTENT FMID FOUND. MOD=mod  
**Explanation:** The input to the CTTHSMP utility contains information on MVS MOD entries that belong to more than one FMID. The CTTHSMP utility cannot operate on input that contains several FMIDs. The program terminates with a return code of 12.  
**Corrective Action:** Provide input to the CTTHSMP utility in a single FMID MOD group.

**CTT431S** UMI D/RMI D BUFFER OVERFLOW  
**Explanation:** Too many UMI D or RMI D entries were added to the work area in the CTTHSMP utility. The utility cannot process more than 20,000 entries. The program terminates with a return code of 16.  
**Corrective Action:** Call BMC Software Customer Support.

**CTT432W** WARNING: MOD=mod HAS UMI D=umid  
**Explanation:** The CTTHSMP utility detected a UMI D in an IBM MOD entry. IBM MODs do not normally have UMI Ds. The detected UMI D can indicate the existence of an IBM APAR fix or a hook applied for another product. The program continues processing but ends with a return code of 4.  
**Corrective Action:** Check which modifications apply to the relevant module and change accordingly.

**CTT433W** OPTIONAL COMPONENT opt_cpnt CANNOT BE INSTALLED, COMPONENT DISABLED  
**Explanation:** Control-M/Tape could not locate the elements necessary to install optional component opt_cpnt. Possible causes are:
The component requirements are incompatible with the release of MVS installed at this site.
Another product uses the same resources that are needed for installation of this component.
An internal error.

Control-M/Tape continues operation without optional component opt-cpnt.

**Corrective Action:** Contact BMC Software Customer Support.

**CTT440S** INTERNAL ERROR IN CTTI WTO. CODE: int_code REASON: rsn

**Explanation:** An error occurred while trying to install or remove the Control-M/Tape WTO Intercept. The dynamic intercept process is terminated.

**Corrective Action:** Call BMC Software Customer Support.

**CTT441S** SVC svcNumber INTERCEPT LEVEL ERROR

**Explanation:** The CTTWTOI module in the Control-M/Tape Load library does not contain the expected header.

The dynamic intercept process is terminated.

**Corrective Action:** Call BMC Software Customer Support.

**CTT442S** SVC svc_num INTERCEPT NOT FOUND. REMOVE NOT PERFORMED

**Explanation:** As part of the Control-M/Tape termination process, when trying to remove the Control-M/Tape WTO Intercept, the current WTO module (SVC 35) was not identified as the Control-M/Tape Intercept.

The dynamic intercept process is terminated. A snap of the current WTO SVC is provided under the DADUMP DD name.

**Corrective Action:** Check if some other program product at your site is interfering with MVS WTO and installing its own WTO Intercept. If not, call BMC Software Customer Support.

**CTT450W** VOLUME vol NOT MOVED. VOLUME STATUS WAS CHANGED.

**Explanation:** The CTTVTM utility initiated the movement of the vol volume to a new location, but the status of the volume was changed by another job before the volume record was updated in the Media database.

The volume is not moved to a new location, although the movement appears in the utility output report.

**Corrective Action:** Do not move the volume. Ignore the vol entry in the CTTVTM utility output report.

**CTT451E** LOCATION loc FOR VOLUME vol NOT FOUND IN RULE. VOLUME MARKED MANUALLY VAULTED

**Explanation:** During a run of the CTTVTM utility with MODE set to CONVERT, the specified volume was marked vaulted but its current location was not found in the vault pattern of the matching rule of the volume data set.
The CTTVTM utility moves the volume to MAINLIB in the Distribution Report and marks it as a potential vault.

**Corrective Action:** Check the vault pattern of the rule that matches the volume’s data set and change it to include the current location name. Then rerun the CTTVTM utility.

**CTT452E RULE NOT FOUND FOR DATASET ON VOLUME volser. VOLUME MARKED MANUALLY VAULTED**

**Explanation:** No rule was found for the data set used to determine the vaulting pattern for volume `volser`. Possible causes are:

- **MODE** was set to CONVERT for the CTTVTM utility, no rule exists for the data set, and the data set resides on a volume marked as VAULTED.
- **MODE** was set to RECALC for the CTTVTM utility, and no rule exists for a volume which is already marked as MANUALLY VAULTED.

This message is accompanied by message CTT202, which supplies the name of the data set used to determine the vaulting pattern for this volume. If **MODE** was set to CONVERT, the volume is marked as MANUALLY VAULTED.

In both CONVERT and RECALC modes, the volume is assigned the current location, and the expiration date of the data set that is used to determine the vaulting pattern of the volume.

**Corrective Action:** If a rule should have existed for the data set, define this rule and rerun CTTVTM with **MODE** set to RECALC.

**CTT453E RESLOT=YES IS INVALID WITH MODE={SLOTBLD | BOXBLD}**

**Explanation:** The RESLOT parameter and SLOTBLD or BOXBLD mode were specified for the CTTVTM utility. The RESLOT=YES and MODE=SLOTBLD or MODE=BOXBLD expressions cannot be both specified for the same run of the CTTVTM utility.

CTTVTM stops execution.

**Corrective Action:** If you want to run the CTTVTM utility with RESLOT=YES, change the mode of the utility to REGULAR or RECALC; otherwise, remove the RESLOT=YES option.

**CTT454E BOX boxName (boxRecordNum) NOT FOUND IN MDB**

**Explanation:** The CTTVTM utility detected a logical error while processing the Media Database (MDB). CTTVTM accesses the volumes in a box by locating all its associated records. In this case, the box record number identified in the message cannot be located in the MDB. As a result, the data accessed for this box might be incomplete.

CTTVTM continues processing.

**Corrective Action:** If it is important to obtain precise data for the box in question, run CTTVTM in the BOXBLD mode.
CTT455E BOX COUNT boxId (count) INCONSISTENT WITH NUMBER OF VOLUMES (num)

Explanation: The CTTVTM utility detected that the number of volumes in the box found in the box record differs from the number of volumes actually in the box (count), based on information from the volume records (num). The two values should match.

The utility continues processing.

Corrective Action: Contact your IOA database administrator.

CTT456E BOX boxId VOLUME LIST IS INCONSISTENT WITH VOLUMES BELONGING TO THIS BOX

Explanation: The CTTVTM utility detected that the list of volumes in the box detailed in the box record, does not match the volumes that are actually found in the box, based on the information in the volume records. The two lists should match.

The utility continues processing.

Corrective Action: Contact your IOA database administrator.

CTT457E LOCATION vol_loc OF VOLUME volser DIFFERS FROM LOCATION box_loc IN BOX boxId

Explanation: The CTTVTM utility detected that the location of the volume (vol_loc) is different than the location of the box in which the volume is contained. The two locations should match.

The utility continues processing.

Corrective Action: Contact your IOA database administrator.

CTT458E NO BOX DEFINITION RECORDS IN MDB

Explanation: The CTTVTM utility did not find any box definition records in the Media Database (MDB), but found volumes that should be vaulted by box. Box records must be defined so vaulting by boxes can take place. To build box records, first the box must be defined and then the CTTVTM utility must be executed with the BOXBLD parameter.

The utility continues processing.

Corrective Action: If vault by boxes is required, define the box records and rerun CTTVTM. If the volumes need not be vaulted by box, change the Vault By Box parameter in the Rule Definition screen (screen TR) to ‘N.’

CTT459E BOX boxId IS NOT DEFINED IN MDB

Explanation: The CTTVTM utility found that the record of box (boxId), does not exist in the Media Database (MDB), although at least one volume in the MDB is marked as being in the box.

The utility continues processing.

Corrective Action: Contact your IOA database administrator.
CTT460E EMPTY BOXES ARE NOT AVAILABLE FOR MEDIA media

**Explanation:** The CTTVTM utility cannot find an empty box for the media specified to be used for vaulting by boxes. Volumes in the media specified in the message are marked to be vaulted by boxes. This cannot be carried out, since no more empty boxes are available for this media.

The utility continues processing.

**Corrective Action:** Check that all the boxes that are supposed to be available for this media are in fact available. If no problem can be found in the availability of the boxes, then define more boxes for this media.

CTT461I THE FOLLOWING VOLUMES FROM BOX boxId IN LOCATION location NOT MOVED:

**Explanation:** The CTTVTM utility was unable to move all volumes belonging to the box. The volumes that cannot be moved are listed in CTT202I messages that follow this message.

The utility continues processing without updating the new location of the volumes listed in CTT202I. Therefore, these volumes should be ignored even though they are listed in the CTTVTM report.

**Corrective Action:** See the previous error message.

CTT462E BOX PREFIX box_prfx (MEDIA media_type) IS DEFINING DUPLICATE BOX ID/IDS

**Explanation:** The CTTVTM utility was invoked with the BOXBLD parameter, but the box ranges defined in the MAINLIB library with prefix box_prfx and media media_type overlap each other, causing duplicate box IDs. Each box ID must be unique.

The utility terminates with no action taken. No box is defined.

**Corrective Action:** Check and correct the box definitions. Rerun the CTTVTM utility with the BOXBLD parameter.

CTT463E MODE=BOXBLD IS INVALID WITH SIMULATION RUN

**Explanation:** MODE was set to BOXBLD in a simulation run of the CTTVTM utility. MODE cannot be set to BOXBLD in a simulation run of the CTTVTM utility.

The utility does not start processing.

**Corrective Action:** If you would like to define new boxes or to change existing box definitions, remove the SIMULATION option and rerun CTTVTM.

CTT464E BOX boxId IS IN USE BUT HAS NO DEFINITION

**Explanation:** The CTTVTM utility was invoked with the BOXBLD parameter, but the specified box ID is in use and was not defined. All boxes presently in use must be included in the box definitions in the MAINLIB library.

The utility terminates with no action taken (no box is defined).

**Corrective Action:** Check the box definitions. Verify that all boxes in use have correct definitions. Rerun the CTTVTM utility with the BOXBLD parameter.
CTT465E BOX $boxId$ IS IN USE BUT DEFINED WITH A NEW MEDIA TYPE

Explanation: The CTTVTM utility was invoked with the BOXBLD parameter, but a box already in use was defined with a media type different from the one specified in its previous definition. Attributes of a used box cannot be changed.

CTTVTM terminates with no action taken. No box is defined.

Corrective Action: Specify the correct media type for this box, or range of boxes. Rerun the CTTVTM utility with the BOXBLD parameter.

CTT466E BOX $boxId$ IS IN USE BUT DEFINED WITH A NEW BOX SIZE

Explanation: The CTTVTM utility was invoked with the BOXBLD parameter, but a box already in use was defined with a new box size. Attributes of a box in use cannot be changed.

The utility terminates with no action (no box is defined).

Corrective Action: Specify the correct size for this box or range of boxes. Rerun the CTTVTM utility with the BOXBLD parameter.

CTT467W VOLUME $volser$ HAS MAINLIB IN ITS VAULT PATTERN AND CANNOT BE VAULTED BY BOX

Explanation: The volume ($volser$) has been marked for vault by box, but MAINLIB is one of the locations specified in its vault pattern. A volume cannot be vaulted by a box if it has MAINLIB as one of the locations in its vault pattern.

The utility continues processing.

Corrective Action: Remove the mark from the volume so that it is not vaulted by box, or remove MAINLIB from the volume vault pattern.

CTT468W UPDATE FOR VOLUME $volser$ REJECTED BY CTTX006. INTEGRITY PROBLEMS MIGHT OCCUR

Explanation: Exit CTTX006 rejected a Media Database (MDB) update of the specified volser that was requested by the utility. The utility tried to update the specified volume information in the MDB. Database. However, the update operation was rejected by Exit CTTX006. This may cause an integrity error in the MDB.

The utility continues. The specified volume information is not updated.

Corrective Action: Make sure an integrity error was not created due to the rejected update. Consider modifying Exit CTTX006 in case of unexpected rejections. Ignore this message if the rejection is expected.

CTT469E INCLUDE/EXCLUDE CANNOT BE SPECIFIED WITH MODE={SLOTBLD | BOXBLD}

Explanation: An attempt has been made to run the CTTVTM utility in SLOTBLD or BOXBLD mode, but with at least one INCLUDE or EXCLUDE statement in the input statements of the utility.

The utility stops processing.
Corrective Action: Remove all INCLUDE and EXCLUDE statements from the input statements of the utility and rerun the utility.

CTT470I STATUS OF VOLUME volser HAS BEEN SET TO {IN ATL | NOT IN ATL}

Explanation: The automated tape library residence status of the specified volume was set by the CTTSYNC utility in the Media Database (MDB). The CTTSYNC utility synchronizes the automated tape library residence status of MDB volumes according to the actual residence in the automated tape library. The status of the volume in the MDB was changed to represent its actual status. The utility continues processing.

Corrective Action: No action is required.

CTT471I VOLUME volser HAS BEEN MARKED AS IN ATL LIBRARY newLib (oldLib)

Explanation: The automated tape library name of the specified volume was set by the CTTSYNC utility in the Media Database (MDB). The CTTSYNC utility synchronizes the automated tape library name of the MDB volumes from the name that was previously recorded in the MDB (oldLib) to the library name where the volumes actually reside (newLib).

The status of the volume in the MDB was changed to represent its actual status. The utility continues processing.

Corrective Action: No action is required.

CTT472I ATL NOTIFIED OF STATUS {SCRATCH | ACTIVE} FOR VOLUME volser

Explanation: The status of the indicated volume in the automated tape library was set by the CTTSYNC utility according to its status in the Media Database (MDB). The CTTSYNC utility synchronizes the status of volumes in the automated tape library with the equivalent status in the MDB.

The status of the volume in the automated tape library was changed to agree with its status in the MDB. The utility continues processing.

Corrective Action: No action is required.

CTT473I VOLUME volser HAS BEEN MARKED AS IN ATL INTERFACE atl_intfce

Explanation: This information message indicates that the CTTSYNC utility synchronized the automated tape library with the Media Database (MDB) and found that the volume resides in the automated tape library. The CTTSYNC utility then updated the MDB.

The utility continues processing.

Corrective Action: No action is required.
CTT474I  TYPE OF VOLUME  volser  HAS BEEN MARKED AS  {LOGICAL | PHYSICAL}

**Explanation:** This information message indicates that the CTTSYNC utility synchronized the automated tape library type with the Media Database (MDB), determined the volume type, and updated the MDB accordingly.

The utility continues processing.

**Corrective Action:** No action is required.

CTT475I  SMS STORAGE GROUP OF VOLUME  volser  HAS BEEN SET TO  storage-group-name

**Explanation:** This information message indicates that the CTTSYNC utility retrieved the DFSMS Storage Group of the volume from the automated tape library database, and updated the Media database accordingly.

The utility continues processing.

**Corrective Action:** No action is required.

CTT476E  VOLUME  volser  NOT DEFINED IN MEDIA DATABASE

**Explanation:** The volser is controlled by DFSMSHsm or Control-V, but it is not defined in the Control-M/Tape Media database.

Normal processing continues.

**Corrective Action:** Check why the volume is not defined in the Media database. If the volume should be defined in Control-M/Tape Media database, then use the CTTMUP utility to add the volume and its datasets to the Media database.

CTT477E  VOLUME  volser  STATUS SHOULD BE  {ACTIVE | EDM-CONT}  IN MEDIA DATABASE

**Explanation:** The volser is controlled by DFSMSHsm or Control-V, but its status in the Media database is not active or not it is not under EDM control.

Normal processing continues.

**Corrective Action:** Use the CTTMUP utility to update the volume record in the Media database to its correct status.

CTT478E  VOLUME  volser  NOT CONTROLLED BY  {DFSMShsm | CONTROL-V}

**Explanation:** The volser is not controlled by DFSMSHsm or Control-V, but it is marked as active and under EDM control in Control-M/Tape Media database.

Normal processing continues.

**Corrective Action:** Verify that the volume is really not controlled by any of the External Data Managers (for example DFSMSHsm, CA-Disk, or ExHPDM) used at your site, and scratch the volume in the Media database using the CTTMUP utility.
CTT479W NO ROBOTIC TAPE LIBRARIES DEFINED IN THE CTTPARM

Explanation: The RBTTYPE parameter is set to NONE in the CTTPARM. The CTTSYNC utility cannot perform synchronization with any automated tape library.

The Utility ends.

Corrective Action: Specify the necessary ATL in the RBTTYPE parameter and rerun the utility.

CTT481E stmt STATEMENT WAS NOT SUPPLIED OR IS NOT FIRST

Explanation: Control-M/Tape did not detect a valid statement at the beginning of the SYSIN file. The SYSIN file for the utility must begin with a valid statement. The SYSIN file is empty or the first control statement is invalid.

The utility stops executing.

Corrective Action: Correct the statements in the SYSIN file, and rerun the utility.

CTT486E RESTART OF UTILITY util IS REQUIRED. RUN TIME dd/mm/yyyy hh:mm:ss

Explanation: The CTTIDB utility detected that the previous run of the specified Control-M/Tape utility abended.

In this message, dd/mm/yyyy is the date of the abending execution of the utility, and hh:mm:ss is the abending execution time.

The CTTIDB utility continues processing.

Corrective Action: Locate and correct the cause of the error. Rerun the utility.

CTT487I Phase n/m of utility util {ENDED | STARTED}

Explanation: This information message indicates that phase n out of m phases of the specified utility started or ended. This message can help in estimating the execution time of the specified utility.

If this message does not indicate the end of the last phase of the utility, the specified utility continues processing.

Corrective Action: No action is required.

CTT488I n PERCENT OF rcrd_type RECORDS WERE PROCESSED

Explanation: This information message indicates that a Control-M/Tape utility has processed n percent of the records of the specified record type. This message can help in estimating the execution time of the utility.

The utility continues processing.

Corrective Action: No action is required.

CTT489I n rcrd_type RECORDS WERE PROCESSED

Explanation: This information message indicates that a Control-M/Tape utility has processed n records of the specified record type. This message can help in estimating the execution time of the utility.
The utility continues processing.

**Corrective Action:** No action is required.

**CTT490E INVALID MULTI-VOLUME GROUP.** REASON=rc, VOLSER=volser, FIRST=first_vol

**Explanation:** Control-M/Tape discovered that the volser belongs to an invalid multivolume group in the Media Database (MDB). The first_vol variable indicates the first volume in the volume group.

Possible values of rc are:
- 01 - Invalid first volume in the group.
- 02 - The group does not contain the selected volume.
- 03 - Invalid PREV and/or NEXT pointers in the volume record.
- 04 - Volser in DATA differs from INDEX.
- 05 - Volume number is out of sequence.
- 06 - Invalid Scratch Timestamp in the volume record.
- 07 - Invalid volume status.
- 08 - Loop is detected within the group.
- 09 - I/O error.
- 10 - Volume record is not found.

Control-M/Tape stops processing the invalid multivolume group.

**Corrective Action:** Use the CTTMUP utility to correct invalid fields in volume records within the multivolume group.

**CTT492I RECORD CHANGED.** REC=record

**Explanation:** This information message indicates that a Control-M/Tape task was about to update a Media Database (MDB) record but discovered that the record was changed by another task. The record is not updated in the current task.

**Corrective Action:** If the update was requested from the Online Facility, check the record, and if the update is still required, repeat the request.

**CTT493I RETENTION INFORMATION UPDATED SUCCESSFULLY**

**Explanation:** This information message indicates that the CTTRTM utility updated retention information in volume and data set records when running in either CONVERT or RECALC mode.

This message is followed by message CTT202I, which shows the Media Database (MDB) record being handled.

**Corrective Action:** No action is required.
CTT494I RECORD ELIGIBLE FOR SELECTION

**Explanation:** This information message indicates that the user was running the CTTRTM utility, and specified INCLUDE or EXCLUDE statements to select Media Database (MDB) records.

This message is followed by message CTT202I which shows the Media Database (MDB) record being handled.

**Corrective Action:** No action is required.

CTT495I RESTART CANCELLED DUE TO USER REQUEST

**Explanation:** A previous run of the CTTRTM utility or the CTTVTM utility abended. The current utility run includes the Automatic Restart mode. However, the user set RESTART to NO in the TYPERUN statement to prevent restarting the utility.

The utility continues running without restarting.

**Corrective Action:** No action is required.

CTT496E TOO MANY RETENTION FACTORS. EXTRANEOUS FACTORS DISCARDED

**Explanation:** When applying retention criteria to a Media Database (MDB) data set record, Control-M/Tape discovered that more than three retention factors were specified for a data set. Data set retention information is stored in data set records by either the real-time environment when creating a data set, or by the CTTRTM utility in either RECALC or CONVERT mode.

Extraneous retention factors are ignored. Message CTT202I showing the Media Database (MDB) record being handled, is issued after this message.

**Corrective Action:** Check the matching Control-M/Tape rule, using the Rule Definition screen (Screen TR), and the JCL EXPDT parameter for the data set, and remove any extra retention factors.

CTT497I TASK IS NOT APF AUTHORIZED. CHANGES WERE NOT PERFORMED IN ATL

**Explanation:** After modifying the Media Database (MDB) records, Control-M/Tape tried to make the equivalent changes in databases of the robot systems (automated tape libraries). To be able to update databases of the robot systems such as StorageTek or IBM 3495, the Control-M/Tape task must be APF-authorized, since this is required by interfaces to the robot systems.

The robot system databases are not updated.

**Corrective Action:** Contact your system programmer to make the Control-M/Tape task APF-authorized.

CTT498W JCL EXPDT WAS NOT SUPPLIED. INSTALLATION DEFAULT RETENTION USED (ddName)

**Explanation:** According to the matching rule, Control-M/Tape requires that retention criteria for a data set be provided by the JCL EXPDT parameter when creating the data set. However, the JCL EXPDT parameter was not supplied in the JCL. The message is issued by one of the following:
By the real-time environment when creating a data set.

By the CTTRTM utility running in either the RECALC or CONVERT mode.

By the CTTMUP utility when adding new dataset record.

If the message is issued by the Control-M/Tape real-time environment, the ddName parameter will be displayed. In other cases, the message will be followed by message CTT202I, which shows the Media Database (MDB) record being handled.

Installation default retention criteria are applied to the data set record.

**Corrective Action:** Supply the JCL EXPDT parameter in the DD statement when creating a data set. To change the retention criteria of the data set record that was created using the default retention criteria, use the CTTMUP utility.

CTT499E SLOT CAPACITY RECORD NOT FOUND. VAULT=vault, MEDIA=media

**Explanation:** Control-M/Tape has updated a vaulted volume, and has unsuccessfully tried to update the appropriate Slot Definition record, to synchronize its data with the newly updated Volume record.

The Slot Definition records are created by the CTTVTM utility, according to the vault definitions that the user specifies in the Control-M/Tape Vault Definition screen (Screen TV).

The Slot Definition record is not updated.

**Corrective Action:** Check vault definitions using the Vault Definition screen (Screen TV), and then run the CTTVTM utility in mode SLOTBLD to synchronize the Slot Definition records with the Volume records.

**Messages CTT500 through CTT5xx**

This group includes messages for the Control-M/Tape product.

CTT501E PLEASE FILL IN TABLE NAME OR OMIT RULE

**Explanation:** A rule name was specified without a table name. A rule name cannot be specified without a table name.

**Corrective Action:** Either specify the table name, or omit the rule name, in order to receive a list of tables in the library.

CTT510E INVALID "ON". USE A, D, J, ME, MG, P, UC, US OR V

**Explanation:** An invalid option was specified in the ON field.

The ON field is used to specify criteria which must be met before Control-M/Tape performs actions. The option specified identifies certain criteria from the active environment.

Valid options in the ON field are:
CTT511E VOLSER RANGE IS INVALID

Explanation: An invalid volser range was specified in ON VOLSER fields. The ON VOLSER field enables specifying a range of volsers. For a volser range to be valid, the first value in the specified range must be less than or equal to the second value.

Corrective Action: Correct the entry by specifying a valid range.

CTT512E VALID RETENTION TYPES ARE CA,CY,DAT,DAY,ED,J,L,P,R,M

Explanation: An invalid retention type was specified in a DO RETENTION statement. The DO RETENTION statement is used to specify a duration for which a data set or volser is kept. The retention type specified identifies how the duration is calculated. There may be a single retention type specified, or a combination of up to three different retention types using the AND/OR field.

Valid retention types are:
- CA (MVS Catalog)
- CY (Cycles)
- DAT (Date)
- DAY (Days)
- ED (EDM)
- J (JCL EXPDT)
- L (Last access)
- P (Permanent)
- R (Return from vault)

Corrective Action: Correct the entry by specifying a valid retention type.
CTT513E THERE MAY BE ONLY ONE RETENTION PERIOD PER "ON" BLOCK

**Explanation:** An attempt was made to open a DO RETENTION statement in a rule that already contains a DO RETENTION statement. The DO RETENTION statement specifies a duration for which a data set or volser is kept.

To avoid conflicting duration periods for the criteria defined in the ON block, there may be only one DO RETENTION statement per ON block.

**Corrective Action:** Instead of opening a second DO RETENTION statement, specify a combination of retention periods in one DO RETENTION statement using the AND/OR parameter.

CTT514E INVALID RETENTION COMBINATION

**Explanation:** An attempt was made to specify a retention period that does not correspond to previous retention periods in the DO RETENTION statement. The DO RETENTION statement has up to three different retention periods to specify a duration for which a data set or volser is kept.

To avoid conflicting duration periods, the combination of retention periods specified in one DO RETENTION statement must be logical. For example, a retention period of PERMANENT may not be combined with any other retention periods.

**Corrective Action:** Specify a valid retention combination.

CTT515E PERMANENT RETENTION IN VAULT. ADDITIONAL VAULTS CANNOT BE SPECIFIED

**Explanation:** An attempt was made to specify an additional vault or an additional retention period in a DO VAULT statement that already contains a retention period of PERMANENT. If a volume is to be kept permanently, it cannot be transferred to an additional vault, and no more retention periods can be specified.

**Corrective Action:** Clear the additional VAULT parameter or AND/OR parameter, if the volume is to be kept permanently, or change the retention period from PERMANENT to another retention period.

CTT516E RETENTION TYPE MUST BE FILLED IN

**Explanation:** A retention line was opened, but no retention type was specified. The retention period in a DO RETENTION, ABENDRET, or VAULT statement specifies a duration for which a data set or volser is kept. The retention type determines how the duration is calculated. There may be a single retention type, or a combination of up to three different retention types using the AND/OR field.

Valid retention types are: CA (MVS Catalog), CY (Cycles), DAT (Date), DAY (Days), ED (EDM), EX (EXPIRE), J (JCL EXPDT), L (Last access), P (Permanent), R (Return from vault), and V (VAULT DAYS). Some retention types are not valid for all retention periods in the different statements.

**Corrective Action:** Specify a valid retention type, or clear the preceding AND/OR field (or DO field in the case of a single retention) if no further retention criteria are required.

CTT517E VALID WHEN TYPES ARE A,CH,CL,K,M,O

**Explanation:** The WHEN type was specified in the WHEN field of a DO statement was invalid or absent. The WHEN parameter determines when the DO statement that contains the WHEN parameter is performed.
Valid WHEN types are:

- A (Close after abend)
- CH (Check in volumes)
- CL (Close)
- K (Keep)
- M (Mount)
- O (Open)

**Corrective Action:** Correct the entry by specifying a valid WHEN type.

**CTT518E ONLY ONE POOL NAME PER "ON" BLOCK MAY BE SPECIFIED**

**Explanation:** An attempt was made to open a DO POOL statement in an ON block that already contains a DO POOL statement. The DO POOL statement specifies the pool from which a scratch volume is taken.

To avoid conflicting data when mounting a scratch tape, there may be only one DO POOL statement per ON block.

**Corrective Action:** Delete the second DO POOL statement by clearing the DO field.

**CTT519E ONLY ONE PRINT LABEL OPTION PER "ON" BLOCK MAY BE SPECIFIED**

**Explanation:** An attempt was made to open a DO LABEL statement in an ON block that already contains a DO LABEL statement. The DO LABEL statement specifies whether or not a label is to be printed when a data set is written on a volume.

To avoid conflicting data when deciding whether or not to print a label, there may be only one DO LABEL statement per ON block.

**Corrective Action:** Delete the second DO LABEL statement by clearing the DO field.

**CTT520E ONLY ONE STACK OPTION PER "ON" BLOCK MAY BE SPECIFIED**

**Explanation:** An attempt was made to open a DO STACK statement in an ON block that already contains a DO STACK statement. The DO STACK statement specifies whether or not stacking of data sets is performed on a certain volume.

To avoid conflicting data when deciding whether or not to stack data sets on a volume, there may be only one DO STACK statement per ON block.

**Corrective Action:** Delete the second DO STACK statement by clearing the DO field.

**CTT521E ONLY ONE VAULT CYCLE PER "ON" BLOCK MAY BE SPECIFIED**

**Explanation:** An attempt was made to open a DO VAULT statement in a rule that already contains a DO VAULT statement. The DO VAULT statement determines in which vaults, if any, a volume is to be kept.

To ensure that a volume is specified in the correct sequence of vaults, there may be only one DO VAULT statement per ON block. However, a sequence of vaults may be specified in a DO VAULT statement. An empty VAULT entry is opened whenever a new vault is specified in a DO VAULT statement.
Corrective Action: Instead of opening a second DO VAULT statement, specify a sequence of vaults in the DO VAULT statement using the empty VAULT entry at the end of the statement.

CTT522E A BLOCK WITH FILLED "DO" STATEMENTS AND NO "ON" STATEMENTS IS INVALID

Explanation: The rule does not contain any ON statements. Every rule must have at least one ON statement that identifies under what conditions to perform the DO statements.

The rule is not saved.

Corrective Action: Add an ON statement to the rule.

CTT523E AT LEAST ONE CYCLE MUST BE SPECIFIED

Explanation: In a DO RETENTION, ABENDRET, or VAULT statement, a value of zero was specified in the CYCLES field of a retention period. The CYCLES retention type determines the number of cycles that a volume or data set is to be kept. A cycle of a data set relates to the creation of a copy of the specified data set. A retention period of zero is invalid since it means there is no duration.

Corrective Action: Add an ON statement to the rule.

CTT524E ONLY ONE OWNER PER "ON" BLOCK MAY BE SPECIFIED

Explanation: An attempt was made to open a DO OWNER statement in an ON block that already contains a DO OWNER statement. The DO OWNER statement determines the owner of a volume data set. There may be only one owner for a volume or data set. Therefore, there may be only one DO OWNER statement per ON block.

Corrective Action: Delete the second DO OWNER statement by clearing the DO field.

CTT525E DATE ALREADY IN PREVIOUS VAULT RANGE

Explanation: A retention type of DATE was specified for a vault. However, the date specified overlaps the duration of the same volume in a previous vault.

The DO VAULT statement enables a volume to be kept in a sequence of vaults. Each vault may have its own retention period. A volume is transferred from one vault to the next vault in the sequence at the end of its duration field. Overlapping of dates is invalid. The calculated duration for the retention of a volume or data set in a vault must only begin at the end of the retention period of the previous vault.

Corrective Action: Modify the retention date to a date after the retention period of the previous vault.

CTT526E ONLY ONE "ON DATASET" STATEMENT PER RULE MAY BE SPECIFIED

Explanation: An attempt was made to add an ON DATASET statement in a rule that already contains an ON DATASET statement. The ON DATASET statement specifies the data set or data set prefix that must be matched for Control-M/Tape to perform actions defined in the rule. This is the basic search criterion. Therefore, only one ON DATASET statement is allowed.

Corrective Action: Delete one of the ON DATASET statements. A mask containing * and ? may be used instead of a data set name.
CTT527E  VALID RETENTION TYPES ARE CA, CY, DAT, DAY, EX, J, L, P, V, M

Explanation: An invalid retention type was specified in a retention period of a DO VAULT statement. The DO VAULT retention period specifies a duration for which a data set or volser is kept in a vault. The retention type specified identifies how the duration is calculated. There may be a single retention type, or a combination of up to three types using the AND/OR field.

Valid retention types are:
- CA - MVS Catalog
- CY - Cycles
- DAT - Date
- DAY - Days
- EX - EXPIRE
- J - JCL EXPDT
- L - Last access
- P - Permanent
- V - VAULT DAYS
- M - MVS Catalog

Corrective Action: Correct the entry by specifying a valid retention type.

CTT528E  VALID RETENTION TYPES ARE CA, CY, DAT, DAY, ED, J, L, P, M

Explanation: An invalid retention type was specified in a retention period of a DO ABENDRET statement. The DO ABENDRET retention period specifies a duration for which a data set or volser is kept in case of an abend. The retention type specified identifies how the duration is calculated. There may be a single retention type, or a combination of up to three types using the AND/OR field.

Valid retention types are:
- CA -- MVS Catalog
- CY -- Cycles
- DAT -- Date
- DAY -- Days
- ED -- EDM
- J -- JCL EXPDT
- L -- Last access
- P -- Permanent
- M -- MVS Catalog

Corrective Action: Correct the entry by specifying a valid retention type.
CTT529E INVALID DO STATEMENT WAS SPECIFIED

**Explanation:** An invalid DO statement was specified in a Control-M/Tape rule (screen TR). DO statements specify actions to be performed by Control-M/Tape when scheduling and selection criteria for a rule are satisfied. For more information about DO statements, see the description of ON and DO statements in the rule parameters chapter of the Control-M/Tape User Guide.

The rule definition cannot be saved.

**Corrective Action:** Either delete the invalid DO statement or replace it with a valid DO statement.

CTT530E POOL ASSIGNMENT IS INVALID AFTER "ON VOLUME" OR "ON MEDIA" ARE SPECIFIED

**Explanation:** A POOL assignment was requested by means of a DO field in a rule that previously contains ON VOLUME or ON MEDIA statements. The POOL assignment is only meaningful when scratch tapes may be requested. If a volume or media appears as criteria for executing the rule, scratch tapes cannot be requested.

**Corrective Action:** Correct the entry by deleting the POOL assignment.

CTT531E THE PREFIX FIELD ON CYCLE RETENTIONS MUST BE THE SAME

**Explanation:** An attempt was made to define a cycle retention type with a prefix that does not match the prefix of another cycle retention type. The prefix of the cycle retention types for the DO RETENTION and DO ABENDRET statements must be the same. The prefix of the cycle retention types within the DO VAULT statement must also be the same.

**Corrective Action:** Correct the entry.

CTT532E STACK=Y IS INVALID AFTER "ON {VOLUME | MEDIA | UCB}" IS SPECIFIED

**Explanation:** A STACK=Y statement was specified in a rule that previously contained an ON VOLUME, ON MEDIA, or ON UCB statement. STACK=Y processing takes place before media, volume or UCB information is available. Therefore, rules that are triggered by volume, media or UCB information cannot request dynamic stacking.

Correct the rule by deleting the STACK=Y statement or use a different ON statement.

**Corrective Action:** No action is required.

CTT533E UCB RANGE IS INVALID

**Explanation:** The UCB range specified in the TR screen is invalid. The FROM or TO value is not a valid UCB address (hexadecimal value) or the FROM value is larger than the TO value.

The rule cannot be saved until the range is specified correctly.

**Corrective Action:** Specify a valid UCB range and save the rule.

CTT534E ONLY ONE do_stmt STATEMENT PER RULE CAN BE SPECIFIED

**Explanation:** The specified DO statement (do_stmt) was included more than once in a Control-M/Tape rule. Only one DO statement of the specified type can be included in each Control-M/Tape rule.
The rule definition cannot be saved.

**Corrective Action:** Delete the duplicate DO statement, leaving only one DO statement of the specified type. See the section on ON and DO blocks in the chapter on rule parameters of the *Control-M/Tape User Guide* for more information about the specified DO statement.

**CTT535E VALID SCOPES ARE DSN OR VOL**

**Explanation:** An invalid value was specified for the SCOPE subparameter in a DO STACK statement in the Rule Definition screen (screen TR).

Valid SCOPE values:

- **DSN** -- Do not stack the current copy of the data set.
- **VOL** -- Do not stack the current copy of the data set. Mark the volume on which it is created as non-stackable.

The rule definition cannot be saved.

**Corrective Action:** Specify a valid SCOPE value.

**CTT536E "DO STKRULE" IS VALID ONLY IF "DO STACK=Y"**

**Explanation:** A DO STKRULE statement was specified in a Control-M/Tape rule that does not include a DO STACK=Y statement. A DO STKRULE statement can only be specified if a STACK=Y statement is specified earlier in the rule.

The rule definition cannot be saved.

**Corrective Action:** Either specify a DO STACK=Y statement earlier in the rule or remove the DO STKRULE statement.

**CTT537E SPECIFY A JOBNAME, DSN, OR BOTH**

**Explanation:** No value was specified for subparameters JOB and DSN in a DO STKRULE statement of a Control-M/Tape rule. The DO STKRULE statement describes data sets or jobs that create data sets, which should not be stacked with the data set whose access triggered the rule. Therefore, a value must be specified for at least one of these subparameters.

The rule definition is not saved.

**Corrective Action:** Specify the required jobname, data set name, or both, in DO STKRULE and save the rule.

**CTT538E VALID OPTIONS FOR THIS FIELD ARE YES OR NO**

**Explanation:** An invalid value was specified for the current field in a Control-M/Tape rule. This field must have a value of either YES or NO.

The rule definition cannot be saved.

**Corrective Action:** Specify either YES or NO and save the rule.

**CTT539E VALID DYNVOL OPTIONS ARE I, E, N, P, OR Y**

**Explanation:** An invalid value was specified in a DO DYNVOL statement of a Control-M/Tape rule.
Valid values for a DO DYNVOL statement are:

- I - Ignore the volume.
- E - Define the volume dynamically in the Media Database as an external tape.
- N - Do not define the volume in the Media Database. Specific request cases abend the job. Nonspecific (scratch) requests are rejected.
- P - Prompt the operator to determine whether or not to dynamically define the volume.
- Y - Define the volume dynamically in the Media Database.

The rule definition cannot be saved.

**Corrective Action:** Either specify a valid value for the DO DYNVOL statement, or delete the statement.

CTT540E VALID RECREATE OPTIONS ARE YES, NO, OR PERMANENT

**Explanation:** An invalid value was specified in a DO RECREATE statement of a Control-M/Tape rule.

Valid values for a DO RECREATE statement are:

- YES - Data sets (except permanent data sets) can be recreated.
- NO - Data sets cannot be recreated.
- PERMANENT - Data sets (including permanent data sets) can be recreated.

The rule definition cannot be saved.

**Corrective Action:** Either specify a valid value for the DO RECREATE statement or delete the statement.

CTT541E VALID STKMODE OPTIONS ARE SIMPLE, VAULT, RETENTION, OR ALL

**Explanation:** An invalid value was specified in a DO STKMODE statement of a Control-M/Tape rule. A DO STKMODE statement determines the algorithm used to search for a volume on which to stack the current data set. These searches are performed on the same pool as the eligible candidate volumes for stacking.

Valid values for a DO STKMODE statement are:

- SIMPLE - Searches for volumes regardless of retention date and vaulting pattern.
- VAULT - Searches for volumes that have a vaulting pattern similar to the stacked data set.
- RETENTION - Searches for volumes which have a similar or later retention date.
- ALL - Satisfies the requirements of both the Vault and Retention search criteria.

The rule definition cannot be saved.

**Corrective Action:** Specify a valid value for the DO STKMODE statement, or delete the statement.

CTT542E KEEP EVENT IS INVALID AFTER "ON PGM" IS SPECIFIED

**Explanation:** A DO statement at KEEP event was specified in a rule that previously contained an ON PGM statement. KEEP processing takes place when the PGM name is no longer available. Therefore, rules that are triggered by a PGM name cannot request an IOA service at a KEEP event.

Control-M/Tape does not save the rule definition.
**Corrective Action:** Correct the entry by deleting the KEEP event, or use a different ON statement.

**CTT543E VALID FASTPOS OPTIONS ARE YES, NO, OVERRIDE, OR TEST**

**Explanation:** An invalid fast positioning option was specified in a DO FASTPOS rule statement. The DO FASTPOS statement specifies the mode of operation for fast positioning.

Valid fast positioning options are:
- Y - Yes
- N - No
- O - Override
- T - Test

Control-M/Tape does not save the rule definition.

**Corrective Action:** Correct the entry by specifying a valid fast positioning option.

**CTT544E REDUNDANT RETENTION AFTER AN EMPTY AND/OR OPTION**

**Explanation:** A value was specified in a RETENTION field but the AND/OR relationship to the value in a previous RETENTION field was left blank.

If values are specified in more than one RETENTION field, a value must be inserted into the AND/OR field relating to each of the RETENTION fields, except the last, to avoid inconsistency.

The definition is rejected.

**Corrective Action:** Correct the definition, either by deleting the current RETENTION value, or by inserting an AND/OR relationship between the current RETENTION and the previous RETENTION.

**CTT545E STACK=Y ALONG WITH NONSPECIFIC VAULT RETENTION IS INVALID**

**Explanation:** A Control-M/Tape rule definition is invalid. The definition included both of the following:
- the statement DO STACK=Y
- a DO VAULT statement with UNTIL set to "MVS CATALOG" or "CYCLES" or "LAST ACCESS"

Dynamic stacking cannot be performed for data sets with an unpredictable return date from the vault. All stacked data sets on the volume must have the same return date from the vault.

The rule definition cannot be saved.

**Corrective Action:** Do one of the following:
- Remove the statement DO STACK=Y.
- Change the DO VAULT return criteria.

**CTT548E SEVERE ERROR IN CALENDAR OR YEAR NOT FOUND IN CALENDAR**

**Explanation:** Either the year is not defined in the calendar, or the calendar was incorrectly modified.
The rule is not ordered.

**Corrective Action:** Check the contents of the rule order and the calendar. Correct accordingly, and reorder the rule.

**CTT551E VALID CAPACITY TYPES ARE "S" (SLOT) OR "B" (BOX)**

**Explanation:** An invalid capacity type was specified. Valid capacity types are slots and boxes.

**Corrective Action:** Specify a valid capacity type.

**CTT552E PLEASE FILL IN TABLE NAME OR OMIT VAULT NAME**

**Explanation:** A vault name was specified without a table name. A vault name cannot be specified without a table name.

**Corrective Action:** Either specify the table name or omit the vault name.

**CTT553E THIS FIELD MUST BE NUMERIC AND GREATER THAN ZERO**

**Explanation:** The field contains the value 0. It must hold a numeric value greater than 0.

**Corrective Action:** Correct the value in the field.

**CTT554E A VALID CALCULATED BOX ID IS 2 - 6 CHARS LONG**

**Explanation:** The combination of the box ID and Capacity parameters creates a calculated box ID that exceeds six characters.

**Corrective Action:** Change either the box ID or Capacity parameters, or both, so that their combination does not exceed six characters.

**CTT555S INSUFFICIENT STORAGE. INCREASE THE REGION SIZE**

**Explanation:** There was insufficient memory to perform a task.

The action that could not be performed accompanies this message. It may vary depending on the environment in which the message was issued.

**Corrective Action:** For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter or exit one of the screens.

**CTT556I CHANGE OF VAULT MAY CAUSE CHANGES IN CAPACITY TYPE BOX**

**Explanation:** The vault name has been changed by the user from MAINLIB to a different name, and therefore all box definitions are automatically changed to box capacity definitions. Be aware that box definitions are allowed only under the definition of vault name MAINLIB.

**Corrective Action:** No action is required.

**CTT557E DUPLICATE DEFINITION**

**Explanation:** The same media capacity is already defined under the same vault, or the same box ID with the same media is already defined under the vault name MAINLIB.
Corrective Action: Do one of the following:

- Use a different media name.
- Use a different box ID.
- Delete the line.

CTT567E USER NOT AUTHORIZED

Explanation: The function requested is not authorized for the user. The message is issued by the IOA security mechanism.

Corrective Action: Check with your system security administrator.

CTT567I COND cond ODATE odate {ADDED | DELETED | FOUND} BY USER userId / jobName (jobId)

Explanation: This information message indicates that the ADD, DELETE, or CHECK option completed successfully and the cond condition with the odate original scheduling date was added to or deleted from, or found in the IOA Conditions file.

In this message, odate is the date on which the message is issued. If the ADD, DELETE, or CHECK option is run by the IOACND utility in batch mode, the user ID (userId), job name (jobName), and job ID (jobId) of the batch file are also displayed.

Corrective Action: No action is required.

CTT570E VOLUME RANGE MUST BE DEFINED

Explanation: No volume range is defined.

Corrective Action: Specify the volume range.

CTT571E VOLUME RANGE IS INVALID

Explanation: Volume range is invalid. The first value in a valid volume range must be less than or equal to the second.

Corrective Action: Specify a valid range.

CTT572E PLEASE FILL IN TABLE NAME OR OMIT POOL NAME

Explanation: A pool name was specified without a table name. A pool name must have a table name.

Corrective Action: Either specify the table name or omit the pool name.

CTT585W A DSN=** STATEMENT IGNORED. RULE MUST BE DEFINED MANUALLY

Explanation: During the conversion of EPIC vaulting rules into Control-M/Tape rules, an EDM rule was found. EDM rules cannot be converted automatically. They must be defined manually.

The rule is not converted.

Corrective Action: Define the EDM rule manually by means of screen TR.
 Messages CTT600 through CTT6xx
This group includes messages for the Control-M/Tape product.

CTT601E SPECIFY DSNAME OR REMOVE CREATION DATE
Explanation: A creation date is specified on the Inquire/Update Entry Panel without a data set name. A creation date may be specified only when a data set is defined.
Corrective Action: Specify a data set name or mask on the Inquire/Update Entry Panel or remove the creation date.

CTT602E INVALID RECORD TYPE. USE "V","D","VD" OR "DV"
Explanation: The specified record type on the Inquire/Update Entry Panel is invalid.
Valid record types on the Inquire/Update Entry Panel are:
- V -- Volume
- D -- Data set record
- VD -- Volume followed by Data set
- DV -- Data set followed by Volume
Corrective Action: Specify a valid record type value.

CTT604E OPTION VALID FOR VOLUMES ONLY
Explanation: An option was requested for a data set that is valid only for volumes.
Corrective Action: Refer to the Control-M/Tape User Guide for a list of valid line options for volumes.

CTT605E OPTION INVALID FOR THE CURRENT STATUS OF dsn /vol
Explanation: An option that is not valid for the current status of the data set or volume is specified. For more information about status field values, see the description of the Inquire/Update facility in the Control-M/Tape User Guide.
Corrective Action: Specify an option that is valid for the current status of the data set or volume.

CTT606E RECORD IN USE BY ANOTHER USER
Explanation: Option specified for a data set or volume is in use by another user or job.
Corrective Action: Try the option again later.

CTT607E NO INFORMATION FOUND IN MEDIA DATABASE
Explanation: The requested information was not found in the Media database.
Corrective Action: No action is required.
CTT608E YOU ARE NOT AUTHORIZED TO USE THIS OPTION

**Explanation:** An option was requested for which there is no authorization. The INCONTROL administrator can authorize or deny use of certain options for certain users.

**Corrective Action:** To get authorization to use the option specified, contact your INCONTROL administrator.

CTT609E EXTEND INVALID FOR THE EXPIRATION TYPE OF *vol/dsName*

**Explanation:** The Extend option is requested for a volume or data set entry that cannot be extended. Extend is valid only for an entry with expiration type D (actual Date). Expiration types that are not specific, like MVS CATALOG, cannot be extended.

The Extend option fails.

**Corrective Action:** Use the Extend option only for a volume or data set entry with expiration type D.

CTT610I VOLUME *vol* WAS SENT TO *loc*

**Explanation:** This information message indicates that the requested CHECKOUT, VAULT, or RECALL operation, to transfer a volume to a different location, was executed successfully.

**Corrective Action:** No action is required.

CTT611I VOLUME *vol* WAS RETURNED FROM *loc*

**Explanation:** This information message indicates that line option BACK-IN-LIB was executed successfully. When option BACK-IN-LIB is specified for a volume, the volume location is immediately set to MAINLIB.

**Corrective Action:** No action is required.

CTT612I VOLUME *vol* WAS operation

**Explanation:** This information message indicates that the requested line option (CLEAN, DELETE, UPDATE, or EXPIRE) was successfully executed on the volume.

**Corrective Action:** No action is required.

CTT613I DATASET *dsn* WAS operation

**Explanation:** This information message indicates that the requested line option (UPDATE, EXPIRE, or EXTEND) was successfully executed on the data set.

**Corrective Action:** No action is required.

CTT615E {GROUP | SUBLINES} NOT ALLOWED ON THIS LEVEL

**Explanation:** Either line option G (GROUP) or S (SUBLINES) to open a third level of sublines is specified for the current line. Only two levels of sublines are allowed for each line in screen TI.

**Corrective Action:** Do not specify option G or S for the current line.
CTT616E THERE ARE NO SUBLINES FOR THIS ENTRY

Explanation: Either line option G (GROUP) or S (SUBLINES) is specified to open sublines for a line on screen TI, but the line does not contain sublines.

Corrective Action: Do not specify option G or S for the current line.

CTT617E RECORD CHANGED. TRY AGAIN

Explanation: A line option was requested for a record whose displayed data was no longer current. An option was requested for a line on screen TI, but between the time the screen was displayed and the time the request was made, the corresponding record on the Media Database changed. The request may have been based on outdated data.

The requested line option is not executed.

Corrective Action: Press the Enter key to refresh the screen with current data, and repeat the request again if desired.

CTT618E OPTION NOT SUPPORTED FOR MULTI-VOLUME GROUP

Explanation: Line option E (EXPIRE) was requested for a volume that is a part of a multivolume group. The EXPIRE option is supported for a single volume only.

Corrective Action: Do not specify option E for the current line.

CTT619E OPTION SUPPORTED FOR DATASETS ONLY

Explanation: Line option X (EXTEND) was requested for a volume. The EXTEND option is supported for a data set only.

Corrective Action: Do not specify option X for the current line.

CTT620E UNABLE TO UNCATALOG DATASETS

Explanation: In response to a request for option E (immediate expiration) for a volume, all data sets on the volume were deleted, but the Online Facility cannot uncatalog the data sets from the MVS Catalog. The probable cause of the problem is that the MVS Catalog is not available.

Corrective Action: Call your system programmer for assistance.

CTT621E SILO REQUEST FAILED

Explanation: In response to a request for option E (immediate expiration) for a volume, the volume was scratched in the Media Database and the corresponding SCRATCH request was sent to a Silo Interface. However, the Silo request failed. Error message CTT334E, containing return and reason codes, in the MVS SYSLOG accompanies this message.

Corrective Action: Check the MVS SYSLOG for the return and reason codes in message CTT334E. Proceed accordingly.
INCONTROL for z/OS Messages Manual

CTT623E SLOT slot WAS NOT RELEASED. RC=rc, VAULT=Vault, MEDIA=media

Explanation: A volume expiration request was issued for a vaulted volume. Control-M/Tape cannot release the slot that was assigned to the volume.

Possible values for rc (causes for the failure) are:

- 04 -- Slot Definition Records not in Media Database (MDB) for specified vault.
- 08 -- Internal program error.
- 12 -- Not enough memory.
- 16 -- I/O error.
- 20 -- The specified media was not defined for the specified vault.
- 32 -- The CTTVTM utility is currently running, and updating the Slot Definition Records.

The currently executing function continues. The requested volume becomes scratch in the MDB.

Corrective Action: For a return code of 12 or 16, do one of the following:

- If rc is 12, increase the region size for the executing job's online procedure.
- If rc is 16, notify your INCONTROL administrator.

In all other cases, check the vault definition using the Vault Definition screen (screen TV), and then run the CTTVTM utility in mode SLOTBLD to synchronize the Slot Definition records with the Volume records.

CTT624E BOX CANNOT BE VAULTED MANUALLY

Explanation: Option VAULT was requested in the Inquiry/Update Media DB screen (screen TI) for a volume that is located in a box. This is not permitted since the volume was not previously recalled from a vault. Option VAULT is valid for a volume from a box only if the box was previously recalled from a vault to the MAINLIB.

Corrective Action: No action is required.

CTT625E INVALID DATASET GENERATION QUERY

Explanation: An invalid format was used for data set generation in the DSNAME field in Screen TI, the Control-M/Tape Inquire/Update entry panel. To request data set generation, specify zero or a negative number in parentheses appended to the data set name in the DSNAME field, for example, data set (-1).

No data is displayed until data set generation is specified correctly.

Corrective Action: Correctly specify the data set generation value. For more information, see the DSNAME field in the section that describes entry panel fields in the chapter on online facilities of the Control-M/Tape User Guide.

CTT626E INVALID SORT COMMAND SYNTAX. USE ‘SORT FIELD-NAME A/D’

Explanation: The syntax for the SORT command on the TI screen, the Control-M/Tape Inquire/Update screen, is invalid.

The valid syntax for the SORT command is `SORT field [{A|D}]` where:
• A means sort in ascending order
• D means sort in descending order

For more information about this command, see the section that describes the commands of the Inquire/Update screen in the chapter on online facilities of the Control-M/Tape User Guide. The SORT command is ignored.

**Corrective Action:** Specify the command with valid syntax.

**CTT627E** SORT FIELD UNKNOWN, OR INVALID WITH {VOLUME | DATASET} RECORDS

**Explanation:** The SORT command contains an invalid sort field. Either the specified sort field is unknown or it is not in the current display. This command is used in the Inquire/Update screen (Screen TI).

If data set records are currently displayed, only data set fields can be used to sort displayed records. If volume records are currently displayed, only volume fields can be used to sort displayed records.

The SORT command is ignored.

**Corrective Action:** Specify a valid sort field. Valid field names are listed under the heading External names in tables in the appendix that describes logical field names for the Control-M/Tape repository in the INCONTROL for z/OS Administrator Guide, or the column headers on the TI screen.

**CTT630E** LOCATION NOT FOUND IN THE VAULT PATTERN

**Explanation:** During update of a vaulted volume record using the Volume Update screen, the value specified in the LOCATION field did not match any of the VAULT NAME fields.

**Corrective Action:** Synchronize LOCATION and VAULT NAME fields.

**CTT631E** DATE CANNOT BE LESS THAN PREVIOUS VAULT ENTRY DATE

**Explanation:** During an attempt to update a vaulted volume record using the Volume Update screen, one of the Entry Date fields was specified for a date earlier than the previous entry date.

**Corrective Action:** Correct the erroneous Entry Date field.

**CTT632E** INVALID TYPE retention. VALID RETENTION TYPES ARE CA, CY, DAT, EX, L, P, VA, VO, M

**Explanation:** An invalid UNTIL type specifies the retention period in a DO VAULT statement. The UNTIL type specifies the retention period for which a volser is kept in a vault, and how the period is calculated. A single UNTIL type, or a combination of up to three types, can be specified using the AND/OR field.

See the UNTIL subparameter of DO VAULT in the chapter on rule parameters of the Control-M/Tape User Guide for a description of valid UNTIL types.

**Corrective Action:** Correct the entry by specifying a valid retention type.
**CTT633E INVALID TYPE** retention. **VALID RETENTION TYPES ARE CA, CY, DAT, ED, L, P, R, S, M**

**Explanation:** An invalid RETENTION type was specified in a DO RETENTION statement. The DO RETENTION statement specifies a duration for which a data set is kept. The retention type specified identifies how the duration is calculated. A single retention type, or a combination of up to three different retention types may be specified using the AND/OR field.

For a description of valid RETENTION types, see the RETENTION subparameter of DO VAULT in the rule parameters chapter in the *Control-M/Tape User Guide*.

**Corrective Action:** Correct the entry by specifying a valid retention type.

**CTT634W VAULT PATTERN HAS MORE THAN THREE ENTRIES**

**Explanation:** The user was attempting to update a vaulted volume record using the Volume Update screen, but the volume record contains more than three vault entries in the vault pattern. It is impossible to update such a vault pattern.

All vaulting related fields, such as LOCATION and MOVE DATE, are displayed but cannot be edited.

**Corrective Action:** No action is required.

**CTT635E INVALID DATE** date

**Explanation:** An invalid date was specified in the Volume/Dataset Update screen. The date format is set according to installation parameters and may be either ddmmyy, mmddyy, or yymmdd. Other date fields may be four digits (omit the yy year values) or eight digits (include a four digit year: ddmmyyyy, mmddyyyy or yyyymmdd).

**Corrective Action:** Specify a valid date.

**CTT636E INVALID VALUE** value. **FIELD SHOULD BE NUMERIC**

**Explanation:** A nonnumeric value was specified in a numeric field.

**Corrective Action:** Fill in a numeric value.

**CTT637E INVALID VALUE** value

**Explanation:** An invalid value was specified in a field in the Volume/Dataset Update screen.

**Corrective Action:** Correct the invalid value according to the field contents.

**CTT638E fld VALUE EXCEEDED MAXIMUM**

**Explanation:** The specified field value exceeded the maximum value.

Valid values for fld are:

<table>
<thead>
<tr>
<th>fld</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTIVE-DS#</td>
<td>Active data set number. The maximum value is 65535.</td>
</tr>
</tbody>
</table>
### fld | Explanation
---|---
LAST-LABEL | Last label on volume. The maximum value is 65535.
V-DATASET | Vaulting data set number. The maximum value is 65535.
RET-DATASET | Retention data set number. The maximum value is 65535.

Corrective Action: Specify a valid value below the maximum.

CTT639E INVALID VALUE `value`. VALID UNITS ARE KB, MB, GB, TB

**Explanation:** An invalid value was specified in the capacity type units fields in the Volume/Dataset Update screen. KB, MB, GB, and TB stand for kilobytes, megabytes, gigabytes, and terabytes.

Corrective Action: Correct the invalid value according to the field contents.

CTT63AE MAXIMUM VALUE IS 2047 TB

**Explanation:** A value greater than the maximum was specified in the capacity value fields in the Volume/Dataset Update screen.

Corrective Action: Correct the invalid value.

CTT645I utility IS RUNNING IN RESTART MODE

**Explanation:** This information message indicates that the previous run of the specified utility abended and the utility is now running in RESTART mode. The utility is either RTM (for CTTRTM) or VTM (for CTTVTM).

Corrective Action: No action is required.

CTT646I INVALID `fileName`. RESTART CANCELED

**Explanation:** The specified file is invalid. RESTART mode cannot continue. Restart is based on information in the specified file. Because the file is invalid, the utility cannot run in RESTART mode. RESTART mode is canceled. The utility continues in NORMAL mode.

Corrective Action: No action is required.

CTT647I RESTART OF `{rtm | vtm}` ENDED SUCCESSFULLY

**Explanation:** This information message indicates that the CTTRTM utility (or the CTTVTM utility) finished processing successfully in Automatic Restart mode.

Corrective Action: No action is required.

CTT648E BOX `boxId` IS IN ERROR

**Explanation:** An error occurred when the CTTVTM utility was handling a Box Definition record while running in Automatic Restart Mode.
This message follows one of the following messages, which detail the error that occurred: CTT200E, CTT209E, CTT459E, or CTM555S.

Control-M/Tape stops handling the Volume records of the problematic Box Definition record. The utility continues processing.

**Corrective Action:** Correct errors that are detailed in the preceding messages.

**Messages CTT700 through CTT7xx**

This group includes messages for the Control-M/Tape product.

**CTT700I** text

**Explanation:** This information message displays one of the following:

- a control statement read from SYSIN
- a parameter specified in a JCL EXEC statement
- information to accompany another message

**Corrective Action:** No action is required.

**CTT701S INCLUDE/EXCLUDE STATEMENT ERROR. FUNCTION=func, RC=rc. EXECUTION WILL TERMINATE**

**Explanation:** A syntax error occurred in an INCLUDE/EXCLUDE statement.

The variables in this message are:

- `func` - the name of the function in which the error occurred
- `rc` - the return code that indicates the type of error for that function

Valid values for `func` and `rc`, and their explanations, are displayed in the following table:

<table>
<thead>
<tr>
<th>Function</th>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>INIT</td>
<td>08</td>
<td>Insufficient memory</td>
</tr>
<tr>
<td></td>
<td>36</td>
<td>Internal error</td>
</tr>
<tr>
<td>BUILD</td>
<td>08</td>
<td>Too many INCLUDE/EXCLUDE statements</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>The statement is not of the INCLUDE/EXCLUDE type.</td>
</tr>
<tr>
<td>Function</td>
<td>Return Code</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
</tbody>
</table>
|          | 16          | One of the following problems occurred:  
|          |             | - The parameter specified exceeds 44 characters.  
|          |             | - No parameter was specified.  
|          |             | - The keyword in invalid. It is not in the dictionary.  
|          |             | - The parameter specified is not allowed (not in the dictionary).  
|          | 20          | The > (greater than) or < (less than) relation is not allowed in the specified format.  
|          | 24          | The date value is not numeric.  
|          | 28          | The date value is neither 6 nor 8 digits.  
|          | 32          | Internal error  
|          | 36          | The value is neither numeric nor hexadecimal.  
| SELECT   | 8           | An INCLUDE/EXCLUDE block is empty.  
|          | 32          | Internal error  
|          | 40          | The field being used for comparison contains an invalid numeric value.  

Execution stops.

**Corrective Action:** Correct the statement and rerun the utility.

**CTT702S STATEMENT PARSING ERROR. REASON=rsn. EXECUTION WILL TERMINATE**

**Explanation:** A parsing error occurred in one or more control statements. The reason code (rsn) in the message text indicates the type of error that occurred, as shown in the following table:

<table>
<thead>
<tr>
<th>Utility</th>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Utilities</td>
<td>4</td>
<td>No keywords were found</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Continuation statement is missing</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Operation code not found. No keywords parsed.</td>
</tr>
<tr>
<td>Utility</td>
<td>rsn</td>
<td>Explanation</td>
</tr>
<tr>
<td>---------</td>
<td>-----</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>No keywords found in the parsed record, or a mandatory keyword was not found.</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Redundant data in a parsed record.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Internal error. Missing parameter name in command definition.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>More than 255 characters to parse.</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>More than 31 input parameter lines.</td>
</tr>
<tr>
<td>CTTDLD</td>
<td>32</td>
<td>Range is invalid. FROM volser is higher than TO volser or volser range does not provide logical sequencing.</td>
</tr>
<tr>
<td></td>
<td>52</td>
<td>Continuation statement missing.</td>
</tr>
<tr>
<td>CTTIDB</td>
<td>28</td>
<td>Invalid MODE parameter or more than 255 characters to parse.</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Invalid relation in statement.</td>
</tr>
<tr>
<td>CTTMER</td>
<td>50</td>
<td>OPCODE not found.</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>Relation in statement is missing or invalid.</td>
</tr>
<tr>
<td></td>
<td>58</td>
<td>Parameter is too long.</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>DBGLEVEL is not numeric.</td>
</tr>
<tr>
<td></td>
<td>70</td>
<td>Too many MERGE statements.</td>
</tr>
<tr>
<td></td>
<td>74</td>
<td>MERGE statement is missing.</td>
</tr>
<tr>
<td></td>
<td>78</td>
<td>Invalid MODE parameter.</td>
</tr>
<tr>
<td>CTTSPL</td>
<td>50</td>
<td>OPCODE not found.</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>Relation in statement is missing or invalid.</td>
</tr>
<tr>
<td></td>
<td>58</td>
<td>Parameter is too long.</td>
</tr>
<tr>
<td></td>
<td>62</td>
<td>DBGLEVEL is not numeric.</td>
</tr>
<tr>
<td></td>
<td>70</td>
<td>Too many SPLIT statements.</td>
</tr>
<tr>
<td></td>
<td>74</td>
<td>SPLIT statement is missing.</td>
</tr>
</tbody>
</table>
Utility | rsn | Explanation
---|---|---
| 78 | Invalid MODE parameter. |
| 82 | Invalid FUNCTION parameter. |

Execution is terminated.

**Corrective Action:** Correct the control statement and rerun the utility.

**CTT703I recd_type RECORDS action = num**

**Explanation:** This message is generated to provide additional information from a Control-M/Tape utility.

Message variables are:
- `rec_type` -- The type of records that have been processed.
- `action` -- The action that was performed on the records, for example, read, written, updated, or dropped.
- `num` -- The number of records processed.

**Corrective Action:** No action is required.

**CTT704I CONTROL-M/TAPE UTILITY utility STARTED**

**Explanation:** This information message indicates that a Control-M/Tape utility has started execution.

**Corrective Action:** No action is required.

**CTT705I CONTROL-M/TAPE UTILITY utility ENDED RC=rc**

**Explanation:** This information message indicates that a Control-M/Tape utility has ended with return code `rc`.

**Corrective Action:** No action is required.

**CTT707S PARAMETERS parm1 AND parm2 ARE MUTUALLY EXCLUSIVE**

**Explanation:** The specified parameters passed to the utility are mutually exclusive and therefore cannot be specified together.

The utility does not start processing.

**Corrective Action:** Specify either one of the parameters, but not both.

**CTT708S UNRECOGNIZED POSITIONAL PARAMETER parm**

**Explanation:** The specified positional parameter passed to the utility is unrecognized.

The utility does not start processing.

**Corrective Action:** Refer to the utility description in the *INCONTROL for z/OS Utilities Guide* for information regarding parameters which can be passed to the utility.
CTT709S POSITIONAL PARAMETER parm APPEARED MORE THAN ONCE

**Explanation:** The positional parameter was specified more than once as input to the utility.
The utility does not start processing.

**Corrective Action:** Specify this parameter only once. Refer to the utility description in the *INCONTROL for z/OS Utilities Guide* for more information regarding parameters that can be passed to the utility.

CTT710S STATEMENT VALIDATION ERROR IN KEYWORD keyName, EXECUTION WILL TERMINATE

**Explanation:** Validation error in scanning parameters of the specified keyword.
Execution is terminated.

**Corrective Action:** Correct the keyword parameters and rerun the utility.

CTT711I num RECORDS COPIED

**Explanation:** This information message indicates that the CTTACP utility copied the specified number of records.

**Corrective Action:** No action is required.

CTT712I num STATEMENTS READ FROM SYSIN

**Explanation:** This information message specifies how many control statements SYSIN has read.

**Corrective Action:** No action is required.

CTT713I format TYPE RECORDS - PROCESSED = n1, SELECTED = n2

**Explanation:** This information message indicates that the Stacking Database was built as shown.
The variables in this message are:

- **format** - the track recording format
- **n1** - the number of records read from input
- **n2** - the number of records selected due to INCLUDE/EXCLUDE statements

**Corrective Action:** No action is required.

CTT714I TOTAL OF n1 RECORDS READ n2 DUPLICATE RECORDS WERE DROPPED

**Explanation:** This information message indicates that the Stacking Database was built as shown.
The variables in this message are:

- **n1** - the total number of records read from input
- **n2** - the total number of records ignored because they appeared in a previous execution of the utility

**Corrective Action:** No action is required.
CTT715S ROUTINE routineName FAILED. RC=rc

Explanation: A severe internal error occurred in the specified routine.
The variables in this message are:
- routine - the routine in which the error occurred
- rc - the return code of the routine
Execution is terminated.
Corrective Action: Check accompanying messages.

CTT716S {RETENTION | VAULTING} PROCEDURE ENDED WITH ERRORS

Explanation: Due to logical errors on the Media Database (MDB), a retention or a vaulting procedure ended with errors. This message follows other messages that indicate the exact nature of the problem.
The procedure terminates with errors.
Corrective Action: Check the accompanying error messages, and proceed accordingly.

CTT717E INVALID EXPIRATION DATA. RECORD KEY=key

Explanation: The data set or volume record contains invalid expiration information.
The CTTRTM (CTTVTM) utility skips the bad record and continues executing.
Corrective Action: Contact your database administrator.

CTT718I ANOTHER CTT UTILITY IS USING THE MDB. TRY AGAIN LATER

Explanation: This information message indicates that the requested utility requires, but cannot access, the Media Database, which is in use by another utility. Simultaneous access to the Media Database by these utilities might corrupt the data. Therefore, only one of the utilities at a time can access the database.
Corrective Action: Run the requested Control-M/Tape utility after the previous utility has ended.

CTT719E {POOL | RULE | VAULT} DEFINITION LOAD FAILED

Explanation: Control-M/Tape cannot load the Pool, Rule, or Vault definition into memory, for one of the following reasons:
- The member is not in the Control-M/Tape PARM or RULE library.
- There was an invalid allocation of the Control-M/Tape PARM or RULE library.
- There is some other definition problem.
Execution stops.
Corrective Action: Examine the job log and the IOA log for messages relating to this error, and take appropriate corrective action.

CTT720E VAULT vault NOT FOUND. VOLUME=vol

Explanation: Control-M/Tape did not find the vault name vault in the vault definition.
Control-M/Tape moves the volume to the vault, and continues processing.

**Corrective Action:** Add the vault to the vault definition using the Vault Definition screen.

**CTT721E INVALID LOCATION loc FOR VOLUME vol**

**Explanation:** Volume was marked as vaulted, but the current vault name (location) is not in the volume vault list.

The CTTVTM utility skips the volume, and continues executing.

**Corrective Action:** Contact your INCONTROL administrator.

**CTT722E INTERNAL ERROR IN DATA. RECORD=key**

**Explanation:** Control-M/Tape detected one of the following errors in the indicated record:

- The creation date on a data set record is either invalid or not specified (DDSCDT).
- An invalid last access operation on a data set record (DDSLACS).
- The last read or write date is not defined (DDSRDT or DDSWDT).
- The last data set label number is not specified on a volume record (DVLLBLNM).
- No data set found for an active volume.

This message is issued by the Online Facility, by the CTTRTM utility, or by the CTTVTM utility. Execution continues with another record from the Media Database.

**Corrective Action:** Notify your database administrator.

**CTT723E CHAIN ERROR ON VOLUME vol**

**Explanation:** A Control-M/Tape utility detected a multivolume chain error. Possible causes are:

- A volume record was found that has a first, next or previous VOLSER specification, but the related VOLSER was not found in the Media Database.
- A multivolume chain with no data sets was found. The specified volume is a member of this multivolume chain.

This message is accompanied by other messages that provide additional information about the problematic record.

**Corrective Action:** No action is required.

**CTT724I VOLSER=volser ; RBA=rba ; \{FIRST | NEXT | PREV\} = volser ; \{LABEL = lbl\| DSN = dsn \}**

**Explanation:** This information message provides information about a volser that caused an error. It accompanies error messages issued by other utilities.

**Corrective Action:** No action is required.
CTT725W CHAIN INCOMPLETE BECAUSE OF INCLUDE/EXCLUDE SELECTION OR CHAIN ERROR

**Explanation:** The CTTVTM utility detected an incomplete multivolume chain. Possible causes are:

- The INCLUDE/EXCLUDE specification does not contain all the volser of the chain.
- A volume record was found that has a first, next or previous VOLSER specification, but the related VOLSER was not found in the Media Database.

This message is accompanied by message CTT724I, which provides additional information (VOLSER and RBA) about the problematic/missing record.

**Corrective Action:** No action is required.

CTT726E VOLUME vol NOT IN SEQUENCE (seqNumber)

**Explanation:** A Control-M/Tape utility detected that the seq_no sequence number in the vol volume is out of sequence in the volume chain. This problem generally relates to the conversion process.

**Corrective Action:** No action is required.

CTT727E CTTRPT FAILED. RC=rc, STATEMENT={FIELDS | SORTBY | BREAK}, PARM=parmName, ROW=row_id

**Explanation:** The CTTRPT utility, invoked directly or called internally by another utility, failed due to an invalid value in the parmName parameter.

In this message, row_id is the ROWID specified in a BREAK or SORTBY statement. The type of error is indicated by the return code (rc), as follows:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>Missing DD statements or open error occurred.</td>
</tr>
<tr>
<td>12</td>
<td>Control card error.</td>
</tr>
<tr>
<td>16</td>
<td>Operation code not found.</td>
</tr>
<tr>
<td>20</td>
<td>Invalid operation code.</td>
</tr>
<tr>
<td>24</td>
<td>Syntax error in REPORT, FIELDS or SORTBY statement.</td>
</tr>
<tr>
<td>28</td>
<td>Field name specified in FIELDS or SORTBY list is undefined.</td>
</tr>
<tr>
<td>32</td>
<td>Same parameter specified more than once.</td>
</tr>
<tr>
<td>36</td>
<td>Field name exceeds maximum length.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid relation specified (must always be an equal sign).</td>
</tr>
<tr>
<td>44</td>
<td>Report NAME is undefined.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>48</td>
<td>BRK not specified for the preceding field in the SORTBY list.</td>
</tr>
<tr>
<td>52</td>
<td>FIELDS statement not specified.</td>
</tr>
<tr>
<td>56</td>
<td>Total of all field lengths requested in the FIELDS statement exceeds the line size.</td>
</tr>
<tr>
<td>60</td>
<td>Continuation card expected but not received.</td>
</tr>
<tr>
<td>64</td>
<td>Invalid numeric value.</td>
</tr>
<tr>
<td>68</td>
<td>Option in the FIELDS or SORTBY statement already specified.</td>
</tr>
<tr>
<td>72</td>
<td>ROWID specified in the BREAK or SORTBY statement.</td>
</tr>
<tr>
<td>76</td>
<td>EDIT parameter in the ATTR statement is invalid for the specified FIELDS.</td>
</tr>
<tr>
<td>80</td>
<td>EDIT mask is not valid.</td>
</tr>
</tbody>
</table>
| 84 | Specified number not in permitted range.  
For example, the end column of a MARGIN statement exceeds the LINESIZE, or a column in a FIELDS statement is outside the margins of the report. |
| 88 | Column option (/C) not specified in the preceding field. |
| 92 | One of the following has occurred:  
- No column is specified in the current FIELDS statement.  
- The specified column in a FIELDS statement is inconsistent with the column specified in another FIELDS statement |
| 108 | Insufficient memory. |
| 112 | All fields specified for the primary and secondary line have the BRK attribute |
| 200 | Fields in the FIELDS or SORTBY statements do not fit the PATH parameter of the EXTRACT statement. |

The utility is stopped.

**Corrective Action:** Depending on the return code, check and correct the appropriate parameters or DD statements.

CTT728I CONTROL-M/TAPE UTILITY *util* IS RUNNING. MDB UPDATES DELAYED

**Explanation:** This information message is issued upon the start of an IDB utility, which checks and analyzes Media Database integrity.
The message is highlighted and unrollable until the utility has finished accessing the Media Database.

**Corrective Action:** No action is required.

**CTT729E CONTINUATION RECORD NOT FOUND FOR VOLUME volser**

**Explanation:** Control-M/Tape tried to expire a volume that has continuation records (DTR records) that are not in the Media Database. This message is issued by either the Online Facility or by the CTTRTM utility.

**Corrective Action:** Notify your database administrator.

**CTT730E MAXIMUM CAPACITY EXCEEDED FOR MEDIA type**

**Explanation:** The value specified in the CAPACITY USD field exceeded the maximum capacity value defined in CTTPARM for the type media type. An attempt was made to update the CAPACITY USD field on a volume record through screen TI.

**Corrective Action:** Decrease the value in the CAPACITY USD field.

**CTT731E LAST LABEL NUMBER CANNOT BE BELOW NUMBER OF ACTIVE DATASETS**

**Explanation:** The value in the LAST LABEL field is invalid.

This message is issued in one of the following circumstances:

- Using Screen TI, an attempt was made to update either the ACTIVE DS# field or the LAST LABEL field on a volume record in a manner that would result in the LAST LABEL field value being less than the ACTIVE DS# field value.
- There is an active data set with a label number that is higher than the value in the LAST LABEL field.

In the Control-M/Tape database:

- the ACTIVE DS# field is called ACTIVEDS
- the LAST LABEL field is called LBLNUM

**Corrective Action:** Adjust the value in the LAST LABEL field to a number equal to the highest label number of all the active data sets on the volume.

**CTT732E VOLUME vol IS ACTIVE AND HAS NO DATASETS**

**Explanation:** A utility detected a volume data record which is marked as active, but the volume has no associated data set.

The utility continues processing.

**Corrective Action:** Contact your database administrator for assistance.
CTT733E NUMBER OF ACTIVE DATASETS CANNOT BE BELOW NUMBER OF EXISTING DATASETS

**Explanation:** The value in the FILES field cannot be less than the actual number of data sets which reside on the selected volume. An attempt was made to update the FILES field on a volume record through Screen TI.

**Corrective Action:** Increase the value in the FILES field so that it is not less than the actual number of data sets on the volume.

CTT734E DATASET *num* DOES NOT EXIST ON THE VOLUME

**Explanation:** The user tried to update the DATASET NUM field within Vaulting Information on a volume record, but a data set with label number *num* was not found on the selected volume.

**Corrective Action:** Correct the value in the DATASET NUM field.

CTT735E MAXIMUM PREFIX NAME LENGTH EXCEEDED

**Explanation:** An attempt was made to update the DSNAME PREF LTH field in Vaulting Information on a volume record with a value greater than 44. The maximum value for the DSNAME PREF LTH field is 44.

**Corrective Action:** Decrease the value in the DSNAME PREF LTH field to a value not greater than 44.

CTT736E DUPLICATE {VOLUME | DATASET}: *rkey*

**Explanation:** The CTTIDB utility detected two or more data records with the same key (*rkey*).

The utility continues processing.

**Corrective Action:** Contact your database administrator for assistance.

CTT737E MAXIMUM NUMBER OF MEDIA BLOCKS EXCEEDED. VAULT *vault*

**Explanation:** The CTTVTM utility detected more than 10 different media types defined for the specified vault. No more than 10 media types can be defined for a vault.

Only the first 10 media types are considered by the CTTVTM utility. The utility continues processing.

**Corrective Action:** Decrease the number of media types in the vault definition through screen TV.

CTT738E VAULT *vault* NOT DEFINED

**Explanation:** The Media Database contains information about slot assignment in the specified vault, but that vault is not defined through screen TV.

The CTTVTM utility continues processing.

**Corrective Action:** If the vault should be defined, define it through screen TV. Otherwise, ignore the message.

CTT739E MEDIA *mediaName* NOT DEFINED FOR VAULT *vault*

**Explanation:** The *mediaName* media type is not defined for the vault through screen TV.

The CTTVTM utility continues processing.
Corrective Action: Define the media type for the vault from screen TV.

CTT740W VOLUME *vol* SKIPPED. RANGE INVALID

Explanation: The CTTDLD utility, with TYPERUN set to CONVERT, detected a volume with VOLSER set to *vol* that was not defined in a RANGE statement.

The specified volume is not converted.

Corrective Action: Correct the definition of the RANGE statement.

CTT742W DUPLICATE DATASETS ON SAME VOLUME - VOL=SER=*volser* LABEL=*lbl*. DATASET NOT ADDED

Explanation: The CTTDLD utility, with TYPERUN set to CONVERT, detected a volume (*volser*) with multiple data sets residing on the same label.

Only one data set is added to the Media Database (MDB).

Corrective Action: List the data sets of the volume and define the data sets on it manually.

CTT743W VOLUME *vol* IS NOT A SCRATCH VOLUME. VOLUME NOT DELETED

Explanation: The CTTDLD utility, with TYPERUN set to DELETE, detected a non-scratch volume to be deleted from the Media Database (MDB).

The volume is not deleted.

Corrective Action: Check the status of the volume and verify why it is not scratch.

CTT744S RETENTION TYPE NOT RECOGNIZED. TYPE=*type* RMFKEY=*key*

Explanation: During conversion from CA-TLMS RMF (Retention Master File), an invalid retention type was detected in the input.

The volumes that will contain the data set indicated in the RMFKEY are assigned a permanent retention type.

Corrective Action: Check and correct the data set retention type in the Control-M/Tape rule definition.

CTT745S CONDITIONS IN VAULT PATTERN CONTROL STATEMENT EXCEEDED. DSN=*dsName*

Explanation: The conversion program encountered too many vault control statements in the definition file being converted.

The extra conditions are ignored.

Corrective Action: Check your CA-1 vault management definition for valid conditions.

CTT746W control NOT SUPPORTED. DSN=*dsName*

Explanation: The control value specified for the data set name is not relevant for Control-M/Tape.

The control statement is ignored. Conversion continues.
**Corrective Action:** No action is required.

**CTT747S INSTALLATION NOT IN UCC-1**

**Explanation:** The conversion routine that converts CA-1 VMS or VPDS to Control-M/Tape rules discovered that the input parameters were set for a non UCC-1 installation. The CTTCVMS program checks the EXPDTYPE parameter in the CTTPARM, and issues this message if the parameter is not set to CA1.

Rule conversion is stopped.

**Corrective Action:** Change the EXPDTYPE in the CTTPARM to CA1, if you are converting from CA-1 to Control-M/Tape.

**CTT748W EXPIRATION DATE: date NOT SUPPORTED. VOL=vol**

**Explanation:** The CTTDLD utility, with TYPERUN set to CONVERT, detected an unrecognizable expiration date.

The specified volume with this expiration date is assigned a permanent expiration date.

**Corrective Action:** Check volume retention type and date. Redefine it in the Control-M/Tape Inquire/Update Entry Panel if permanent status is incorrect.

**CTT749E INVALID COMBINATION OF FIRST,LAST AND RENAME FIELDS**

**Explanation:** An invalid combination of FIRST, LAST and RENAME values was used in a RANGE statement. The length of the string specified for RENAME must not exceed the length of the corresponding part of the FIRST and LAST prefixes. The FIRST and LAST prefixes must be identical.

The CTTDLD utility is terminated.

**Corrective Action:** Correct the RANGE statement and rerun the CTTDLD utility.

**Messages CTT800 through CTT8xx**

This group includes messages for the Control-M/Tape product.

**CTT801I CONTROL-M/TAPE rel REAL-TIME ENVIRONMENT IS ACTIVE**

**Explanation:** This information message indicates that the real-time environment was successfully established.

In this message, rel is the specific release of Control-M/Tape.

**Corrective Action:** No action is required.

**CTT802E CONTROL-M/TAPE INITIALIZATION FAILED. RC rc IN PHASE phase_num**

**Explanation:** The initialization of Control-M/Tape activated by the CTTINIT procedure failed due to an error. This message is preceded by a message that identifies the error that caused the initialization failure.

Initialization terminates and the already-created environment is removed from the system.
Corrective Action: Notify your INCONTROL administrator.

CTT803E STARTSTK IS NOT ALLOWED. CONTROL-M/TAPE WAS INITIALIZED WITH DYNSTK=N

Explanation: Dynamic stacking cannot be activated if Control-M/Tape was initialized without dynamic stacking, meaning that the DYNSTK parameter was set to N in CTTPARM.

STARTSTK is not performed. Control-M/Tape continues to work in NOSTACK mode.

Corrective Action: If you want to utilize dynamic stacking, do the following:
1. Change the value of the DYNSTK parameter in CTTPARM to Y.
2. Stop and restart the Control-M/Tape real time environment.

If you later want to stop dynamic stacking temporarily, use the CTTINIT setting MODE=STOPSTK. To stop it for a longer period, set DYNSTK to N.

CTT804I Control-M/TAPE rel REAL-TIME ENVIRONMENT DELETED

Explanation: This information message indicates that the real-time environment was successfully removed from the system. The CTTINIT procedure was activated with MODE set to TERM to delete the previously established environment.

In this message, rel is the specific release of Control-M/Tape.

The system operates now without Control-M/Tape.

Corrective Action: No action is required.

CTT805E func FAILED WITH RC rc REASON rsn FOR DATASET dsn

Explanation: The specified MVS function (LOCATE or OBTAIN) failed for a Control-M/Tape file. All the Control-M/Tape files are accessed by the CTTINIT procedure, and should exist on the CPU where each is activated. The LOCATE function could fail if the data set is not cataloged. The OBTAIN function could fail if it is cataloged on a wrong volume.

The return code in the message is a SVC99 MVS return code.

Initialization terminates.

Corrective Action: Check that the data set in the message matches the name specified in installation the DBPREF parameter in the CTTPARM member. Make sure that the data set exists and is cataloged on the correct volume.

CTT806E UCBSCAN FAILED WITH RC rc FOR VOL vol

Explanation: The specified volume could not be located in the system.

Initialization terminates.

Corrective Action: Check that the volume is accessible from the CPU where the CTTINIT procedure was activated.
CTT807E CONTROL-M/TAPE REAL-TIME ENVIRONMENT IS ALREADY ACTIVE

**Explanation:** The CTTINIT procedure was started with MODE set to either

- INIT - to initialize Control-M/tape environment
- VERIFY - to verify Control-M/tape interfaces could be applied

while the INIT/VERIFY process reveals that the Control-M/Tape real-time environment was already active in this CPU.

The INIT/VERIFY process is not started.

**Corrective Action:** Either use the existing Control-M/Tape environment or delete the existing one before trying to INIT/VERIFY a new one.

CTT808W CONTROL-M/TAPE OPERATES IN *op_mode* MODE

**Explanation:** The Control-M/Tape operation mode is set to one of the following modes: TEST, ACTIVE, SUSPEND, DORMANT, STACKING, or NO-STACK.

Control-M/Tape operates according to the mode, as follows:

- TEST - Information is recorded in the Media Database (MDB); however, there is no intervention in the running of jobs (shadow mode).
- ACTIVE - All functions are under Control-M/Tape control.
- SUSPEND - All media access is suspended.
- DORMANT - All media access is performed without Control-M/Tape control. No information is recorded in the MDB.
- STACKING - Dynamic stacking is performed.
- NO-STACK - Dynamic stacking is not performed.

**Corrective Action:** No action is required.

CTT809I CONTROL-M/TAPE *func* STARTED

**Explanation:** This information message indicates that the Control-M/Tape initialization or termination process was started by the CTTINIT procedure.

**Corrective Action:** No action is required.

CTT810I CONTROL-M/TAPE RELOAD *modName*/*tbl_typ* ENDED. RC=rc

**Explanation:** This information message indicates that the reload function for a module (for example, user exit) or tables (rules, pools or vaults) was performed. When Control-M/Tape is activated in the system, certain components can be reloaded (refreshed with a new copy). Reload can be performed for the following:
- Modules - Mainly user exits but also Control-M/Tape internal modules.
- Rules - All the rules (as specified in the RULLIST member) are reloaded.
- Pools - All the defined rules (as specified in the DAPOOLS member) are reloaded.
- Vaults - All the defined vaults (as specified in the DAVLTS member) are reloaded.

Upon successful completion, the system operates with the new modules or tables.

Corrective Action: No action is required.

CTT811I CONTROL-M/TAPE DYNAMIC component func SUCCESSFULLY

Explanation: This information message indicates that the specified dynamic installation component function was successfully performed (for example, applied, removed).

The dynamic installation function can be optionally performed according to installation parameters for each of the following components:
- SVC - Control-M/Tape SVC; controlled by the DYNSVC parameter.
- WTO Interface - WTO intercept; controlled by the DYNWTO parameter.
- VOLSTAT INTR - VOLSTAT interface; no available parameter.
- O/C/E Exits - MVS Tape Label Processing Exits; controlled by the DYNINTR parameter.
- FAST-POSITION - fast position feature; no available parameter.
- IEFDB401 Exit - MVS IEFDB401 Exit; controlled by the STKALCD parameter.

Corrective Action: No action is required.

CTT812E CONTROL-M/TAPE DYNAMIC INSTALLATION FAILED. RC=rc

Explanation: The dynamic installation function (for example, APPLY, REMOVE) failed with the specified return code (rc). This function can also be performed according to installation parameters on operating system interfaces, the SVC, and the WTO intercept. This message follows a message about a failure to a component.

Processing terminates immediately.

Corrective Action: Check preceding error messages for details about the error and notify your INCONTROL administrator.

CTT813E CONTROL-M/TAPE SVC NUMBER (svc_num) IS BEING USED BY ANOTHER PRODUCT

Explanation: SVC number svc_num is already defined for another purpose not related to Control-M/Tape. The SVC number that was specified for Control-M/Tape during installation time in the CTTPARM member is already defined in the system. Control-M/Tape does not replace it with its own SVC.

Dynamic installation of the SVC fails, and the currently executing function is terminated.

Corrective Action: Either change the SVC number in the CTTPARM member to an unused number, or remove the older definition from the system.
INCONTROL for z/OS Messages Manual

CTT814W CONTROL-M/TAPE SVC (svc_num) IS NOT INSTALLED

**Explanation:** SVC svc_num is not installed in the system. The SVC is used by all Control-M/Tape real-time functions. Therefore, as part of the initialization process, the existence of the SVC is checked. This message indicates that although the dynamic SVC installation was not required (DYNSVC was set to N in the CTTPARM member), the SVC is not properly defined.

The currently executing function continues without defining the SVC since dynamic definition was not requested.

**Corrective Action:** Check why the SVC was not properly defined, or change the installation parameters to perform dynamic SVC installation (set DYNSVC to Y).

CTT815E CONTROL-M/TAPE SVC (svc_num) IS ALREADY INSTALLED

**Explanation:** The APPLY option of Control-M/Tape could not install SVC svc_num, because it was already in the system. Before installing the specified SVC, the CTTINIT procedure of Control-M/Tape checks to see if it already exists in the system.

The SVC may be already in the system for one of the following reasons:
- This SVC was already installed by some method other than Control-M/Tape.
- Another Control-M/Tape installed this SVC and did not remove it, either because the other Control-M/Tape is still running, or because a severe error occurred and it did not shut down properly.

The attempt to install the SVC stops, and the initialization process stops.

**Corrective Action:** Check earlier errors, or do one of the following:
- If no other release of Control-M/Tape is running, check that the DYNSVC installation parameter in the CTTPARM member is specified correctly.
- If another release of Control-M/Tape is already running, use the PARALLEL installation parameter.

For more information, refer to the INCONTROL for z/OS Upgrade Guide.

CTT816E CONTROL-M/TAPE SVC (svc_num) func FAILED. RC=rc

**Explanation:** SVC svc_num could not be dynamically installed or removed from the system.

The SVC is not installed or removed. The currently executing function stops.

**Corrective Action:** Check preceding error messages for details. Notify your INCONTROL administrator.

CTT817W CONTROL-M/TAPE interceptName INTERCEPT IS NOT INSTALLED

**Explanation:** Although dynamic installation was not required, the specified intercept is not installed or properly defined in the system. As part of the initialization process, the existence of the intercept is checked.

Valid values for interceptName are WTO or VOLSTAT.

The currently executing function continues without installing the intercept.

**Corrective Action:** Check why the intercept was not properly installed, or change the installation parameters to perform dynamic installation.
CTT818E CONTROL-M/TAPE interceptName INTERCEPT IS ALREADY INSTALLED

Explanation: The APPLY option of Control-M/Tape could not install the specified intercept because it was already in the system. Before installing the specified intercept, the CTTINIT procedure of Control-M/Tape checks to see if it already exists in the system.

The intercept may be already in the system for one of the following reasons:

- This intercept was already installed by some method other than Control-M/Tape.
- Another Control-M/Tape installed this intercept and did not remove it, either because the other Control-M/Tape is still running or because a severe error occurred and it did not shut down properly.

Valid values for interceptName are WTO or VOLSTAT.

The attempt to install the intercept stops.

Corrective Action: Check earlier errors or do one of the following:

- If no other release of Control-M/Tape is running and interceptName is WTO, check that the DYNWTO installation parameter in the CTTPARM member is specified correctly.
- If another release of Control-M/Tape is already running, use the PARALLEL installation parameter.

Consult the INCONTROL for z/OS Upgrade Guide.

CTT819E CONTROL-M/TAPE interceptName INTERCEPT func FAILED. RC=rc

Explanation: The specified intercept could not be dynamically installed or removed from the system.

Possible values of interceptName are WTO or VOLSTAT.

The specified intercept is not reinstalled or removed. The currently executing function is terminated.

Corrective Action: Check preceding error messages for details about the error. Notify your INCONTROL administrator.

CTT81AW THE PARAMETER CTVINTR HAS BEEN FORCED TO 'NONE'

Explanation: The real-time value of the parameter CTVINTR has been changed to 'NONE'. Control-M/Tape changes the real-time value of CTVINTR to 'NONE' and continues to run.

Corrective Action: No response required.

CTT81BW CONTROL-M/TAPE OPERATES WITH ACTIVATED CONTROL-V INTERFACE

Explanation: The real-time value of the parameter CTVINTR is other than 'NONE'. Control-M/Tape continues to use the current value of the CTVINTR parameter.

Corrective Action: Change the Control-M/Tape CTVINTR parameter in the member CTTPARM to 'NONE'. Then issue the following command, which updates the system with the new value:

S CTTINIT,PARM='MODE=RELOAD,TBLT=PARM'
CTT820W CONTROL-M/TAPE component NOT APPLIED

**Explanation:** One of the following situations occurs:

- If the component is FAST-POSITION, then Control-M/Tape finds that the fast position intercept is already applied and therefore bypasses its installation.

- If the component is O/C/E EXITS and the DYNINTR parameter is set to N, then the MVS Tape Label Processing Exits are not applied in the system, since their installation is not required. The MVS Tape Label Processing Exits are used by all Control-M/Tape real-time functions. Therefore, as part of the initialization process, the existence of these interfaces is checked.

- If the component is O/C/E EXITS and the DYNINTR parameter is set to Y, then the MVS Tape Label Processing Exits were already applied in the system, since their installation was required. The MVS Tape Label Processing Exits are used by all Control-M/Tape real-time functions. Therefore, as part of the initialization process, the existence of these interfaces is checked.

The currently executing function continues without installation of the specified component

**Corrective Action:** No action is required.

CTT821E CONTROL-M/TAPE component ALREADY APPLIED

**Explanation:** The APPLY option of Control-M/Tape could not install the specified component because it is already in the system. Before installing the specified component, the CTTINIT procedure of Control-M/Tape checks to see if it already exists in the correct place in the system.

The component may be already in the system for one of the following reasons:

- It was already installed statically using ICE via SMP/E user mode.

- Another Control-M/Tape installed it and did not remove it, either because the other Control-M/Tape is still running or because a severe error occurred and it did not shut down properly.

The attempt to install the interfaces stops, and the initialization process stops.

**Corrective Action:** Check earlier errors or do one of the following:

- If no other release of Control-M/Tape is running, check that the DYNINTR installation parameter in the CTTPARM member is specified correctly.

- If another release of Control-M/Tape is already running, use the PARALLEL installation parameter.

Consult the *INCONTROL for z/OS Upgrade Guide*.

CTT822E CONTROL-M/TAPE componentfunc FAILED. RC=rc

**Explanation:** The component could not be dynamically installed or removed from the system. The component is not installed or removed. The currently executing function is terminated.

**Corrective Action:** Check preceding error messages for details about the error.

CTT823S INITIALIZATION OF SUBSYSTEM subsys FAILED. RC=rc

**Explanation:** Due to internal error, activation of a Control-M/Tape subsystem failed. The initialization process stops and the already created environment is removed from the system.

**Corrective Action:** Notify your INCONTROL administrator.
CTT824E CONTROL-M/TAPE TERMINATION HALTED. THE FOLLOWING JOBS ARE ACTIVE:

**Explanation:** Termination of Control-M/Tape cannot continue because Control-M/Tape detected active jobs that use removable media in the system. When active jobs that use removable media are still active, Control-M/Tape cannot stop. This message is followed by one or more CTT825I messages that identify the active jobs.

Control-M/Tape does not terminate.

**Corrective Action:** No action is required.

CTT825I JOBNAME: jobName JOBID: jobId

**Explanation:** This information message identifies the name and ID of an active job in the system that uses removable media.

This message accompanies message CTT824E. There is one CTT825I message for each active job that uses removable media. The last CTT825I message is followed by message CTT826A.

**Corrective Action:** No action is required.

CTT826A TO CONTINUE CONTROL-M/TAPE TERMINATION, REPLY ‘R’-RETRY, ‘A’-ABORT, OR ‘F’-FORCE

**Explanation:** There was an attempt to terminate Control-M/Tape while there are still active jobs in the system that use removable media.

This message asks what to do next, as follows.

- **R** (Retry) -- Check again for active jobs.
- **A** (Abort) -- Fail the termination request and continue processing.
- **F** (Force) -- Continue the termination request regardless of the active jobs status.

This message follows message CTT825I.

The CTTINIT procedure waits for the operator reply.

**Corrective Action:** Reply to the message.

Note:

Using the FORCE option is not recommended. If you use this option, the removable media used by the active jobs will not be updated in the Control-M/Tape repository, and jobs might abend. Also, other unpredictable situations could occur, that sometimes might be resolved only by IPL.

CTT827S UNABLE TO REMOVE component. ENTERING DORMANT MODE

**Explanation:** Termination of Control-M/Tape failed because Control-M/Tape was unable to remove the specified component. Since termination cannot continue, Control-M/Tape enters DORMANT mode.

This message follows a specific error message, which identifies the error.

Termination of Control-M/Tape stops. Control-M/Tape enters DORMANT mode.

**Corrective Action:** Look for previous Control-M/Tape messages and check why Control-M/Tape failed to remove the specified component. Then proceed accordingly.
CTT828I TERMINATION ABORTED BY OPERATOR. PROCESSING CONTINUES

Explanation: This information message indicates that the operator instructed Control-M/Tape to abort termination, probably because termination of Control-M/Tape was in progress when Control-M/Tape informed the operator about active jobs in the system.

This message follows message CTT826A.

Normal processing continues.

Corrective Action: No action is required.

CTT829E CTTINIT CANNOT PROCEED BECAUSE ANOTHER CTTINIT IS ALREADY ACTIVE

Explanation: A CTTINIT operation was attempted while another was already operating. The current run of the CTTINIT utility cannot proceed until the old one ends.

The new CTTINIT is ended.

Corrective Action: Restart the CTTINIT utility after the conclusion of the current run of the CTTINIT utility.

CTT830S PASSWORD CHECK FAILED

Explanation: The CTTINIT utility discovered an error in the Control-M/Tape password.

This message follows other messages that detail the error and password.

The CTTINIT procedure stops.

Corrective Action: Check the job log of CTTINIT for previous messages that refer to this failure, and proceed accordingly.

CTT831W CONTROL-M/TAPE TRACE FILE AND MDB BOTH RESIDE ON THE SAME VOLUME (vol)

Explanation: The Media Database (MDB) and the Trace (TRC) file are on the specified volume. Control-M/Tape initialization continues.

Corrective Action: As soon as possible, move the TRC file to a different volume from the one holding the MDB. Control-M/Tape must be inactive when the file is moved.

CTT832E CONTROL-M/TAPE SUBSYSTEM IS NOT DEFINED

Explanation: A Control-M/Tape subsystem was not statically defined. Because the TSSALLOC parameter in the CTTPARM member was set to N, Control-M/Tape does not dynamically define its subsystem during initialization.
The Control-M/Tape real time environment is not initialized.

**Corrective Action:** Either change the value of the TSSALLOC parameter in the CTTPARM member to Y, or define the Control-M/Tape subsystem statically.

For more information, see the description of the TSSALLOC parameter in the Control-M/Tape chapter of the *INCONTROL for z/OS Installation Guide*.

**CTT833I** CONTROL-M/TAPE IS UNABLE TO RELEASE THE RULES BECAUSE THEY ARE IN USE BY ANOTHER PROCESS

**Explanation:** When Control-M/Tape reloads rules following operator request `RELOAD, TBLT=RULE`, it first loads the new set of rules into memory and makes them active. Then, after several seconds, it releases the old set of rules, unless there are active processes using these old rules. This message indicates that there is at least one active process still using the old set of rules.

This message is followed by message CTT834A.

**Corrective Action:** Implement one of the options specified in message CTT834A.

**CTT834A** TO CONTINUE, REPLY 'R' - RETRY OR 'F' - FORCE

**Explanation:** In the situation described by message CTT833I, the user has the following response options:

- **F**—Control-M/Tape retries releasing the old set of rules immediately.
- **R**—Control-M/Tape retries releasing the old set of rules after a short delay.

**Corrective Action:** Implement the appropriate option.

**CTT835S** DYNAMIC INSTALLATION FOR EXIT `exitName` FAILED. RC=`rc` REASON=`rsn`

**Explanation:** During Control-M/Tape real time environment initialization, the dynamic installation for the `exitName` exit failed.

Control-M/Tape real-time environment initialization is terminated.

**Corrective Action:** Refer to IBM documentation along with the return code and reason code displayed in the message to understand why Control-M/Tape could not dynamically install the exit.

**CTT840E** KEY CHANGED. UPDATE FAILED FOR RECORD `rcrd_type`

**Explanation:** When updating a record using function RECUPD, an attempt was made to change the record key, (for example, the VOLSER in the volume record).

Execution of the RECUPD function is terminated, and the record is not updated.

**Corrective Action:** The record key cannot be updated directly. Instead, first delete the record, and then add a new one with the required key. If you inadvertently try to change the key by specifying an invalid offset in the REP statement, correct the control REP statement accordingly.
CTT841E VOLSER volser DOES NOT MATCH POOL poolName

**Explanation:** When trying to add a data set to the Media Database (MDB) using the DSNADD function, the selected pool specified in the corresponding Control-M/Tape rule did not contain the volser in which the data set resides.

The variables in this message are:

- **poolName** - the pool specified in the corresponding Control-M/Tape rule
- **volser** - the volser in which the data set resides

Execution of the DSNADD function is terminated. The data set is not added.

**Corrective Action:** Synchronize the DSVOLSER parameter with the pool definition.

CTT842W CTTVTM SHOULD RUN IN MODE={SLOTBLD | BOXBLD} AFTER UPDATING THE VOLUME

**Explanation:** The CTTMUP utility issues this message when volume record fields that are related to vaulting are modified. When vaulting related fields are modified in a volume record, the corresponding vault, slot and box records need to be modified to reflect the changes made in the volume record. The CTTVTM utility performs the necessary synchronization in the indicated mode.

The CTTMUP utility continues.

**Corrective Action:** Run the CTTVTM utility in SLOTBLD or BOXBLD mode as indicated by the message.

CTT850S RULE ORDER LIST IS EMPTY. DDNAME="DARULLST"

**Explanation:** Open of a rule list data set failed (the DARULLST DD statement).

Possible causes are:

- The DARULLST DD statement is missing.
- The data set described by the DARULLST DD statement cannot be opened for sequential read or the record length is not 80.

The CTTINIT procedure stops.

**Corrective Action:** Correct the JCL and restart the CTTINIT procedure.

CTT851S INVALID DATA IN RULE ORDER LIST CARDS

**Explanation:** Invalid data has been found in the rule order list.

The CTTINIT procedure stops.

**Corrective Action:** Check the format of the rule order list in the PARM library; correct and restart the CTTINIT procedure.

CTT852S ORDER OF TABLE tableName RULE ruleName FAILED

**Explanation:** The order of rule ruleName from table tableName failed. This message is preceded by messages which explain why the rule table could not be ordered.

The rule is not ordered.
Corrective Action: Check earlier messages for reasons the rule order failed. Correct as necessary and reorder the rule table.

CTT853S ERROR IN RULE DATA. MANDATORY stmt_type STATEMENT IS EITHER MISSING OR NOT IN THE CORRECT ORDER

Explanation: A stmt_type statement is either missing or in the wrong order in a rule definition member. The rule definition data may have manually been changed incorrectly. The data does not conform to a valid Control-M/Tape format.

The rule is not ordered.

Corrective Action: Restore the table to its original state (from a backup copy) and reorder the rule table.

CTT854S INVALID SCHEDULING DATE - date

Explanation: An invalid scheduling date format was used in the rule list or in an order or force request.

Valid date formats are:
- ddmmyy -- Day, month, and year
- mmddyy -- Month, day, and year
- * -- Current Control-M/Tape working date

The requested table order fails.

Corrective Action: Correct the date; reorder the rule table.

CTT855S **** ERROR IN RULE STATEMENTS. CHECK THE FOLLOWING STATEMENTS ***

Explanation: The rule definition has been corrupted and the data does not conform to a valid Control-M/Tape format.

This message is followed by one or more CTT856S messages describing all statements belonging to the damaged rule. An asterisk (*) appears in the line under the erroneous data.

The rule is not ordered.

Corrective Action: Restore the table to its original state by means of the Online Viewing Facility, or by editing the member, then reorder the rule table.

CTT856S STATEMENT = stmt

Explanation: The rule definition is corrupt.

This message follows message CTT855S, and displays each statement in the damaged rule. An asterisk * appears in the line under a damaged statement.

The CTTMRLL program terminates with a condition code of 08.

Corrective Action: Restore the table to its original state.
**CTT857I** RULE *ruleName* TABLE *tableName* LIBRARY *lib* ODATE *odate* LOADED

**Explanation:** This is the normal message when a rule order is successfully loaded by the CTTINIT procedure. The rule is now active and will be used by the Control-M/Tape real-time process.

**Corrective Action:** No action is required.

**CTT858S** SEVERE ERROR IN RULE DATA STATEMENTS

**Explanation:** A severe error was found in the rule definition data statements. This message is followed by additional messages regarding the error.

The rule table is not ordered.

**Corrective Action:** Check for additional messages concerning the errors. Correct the error and reorder the table.

CTT859W ORDER CANCELED BY USER EXIT: RULE *ruleName* TABLE *tableName* LIBRARY *lib*

**Explanation:** The specified rule order failed as a result of a user exit check.

The rule order is not ordered or loaded.

**Corrective Action:** Check for prior messages concerning the reason for failure and the Control-M/Tape EXIT 1.

**CTT862E** OPERATION CANCELED BY USER EXIT CTTSE01

**Explanation:** The operation was canceled because Control-M/Tape User Exit CTTSE01 ended with a return code higher than 0.

The operation is canceled.

**Corrective Action:** Check why the exit ended with a return code higher than 0, and proceed accordingly.

**CTT863E** RULE MEMORY BLOCK GETMAINED BELOW 16MB LINE (IN CSA)

**Explanation:** The rule loading program of the CTTINIT utility tried to allocate a block for rules in ECSA. Due to lack of memory, it received an area in CSA. Control-M/Tape does not allocate CSA areas for rule blocks when working in TEST mode.

Rule loading is stopped. The CTTINIT procedure terminates after freeing all memory blocks allocated thus far.

**Corrective Action:** Either increase the ECSA size defined in your system, or reduce the number of rules defined to Control-M/Tape. Restart the CTTINIT utility.

**CTT864E** UNABLE TO FREE RULE BLOCKS FROM MEMORY

**Explanation:** Control-M/Tape was unable to free rule blocks from memory. The rule loading program ended unsuccessfully. An error occurred during the process of freeing all rule blocks allocated thus far.
If the allocated blocks are in ECSA or CSA, they are not freed by Control-M/Tape. If the allocated blocks are in a private region, they will be freed at job end.

**Corrective Action:** If allocated blocks remained in ECSA or CSA, use a tool (for example, OMEGAMON, RESOLVE) to free these blocks. Blocks not freed by a tool will be freed automatically by the next IPL.

**Note:**
Use extreme caution when freeing blocks from ECSA or CSA manually.

**CTT865S NO RULES WERE LOADED BECAUSE NONE MATCH SCHEDULING CRITERIA**

**Explanation:** Control-M/Tape was unable to load any rules because no rules were scheduled for today. Control-M/Tape does not load any rule, and execution stops.

**Corrective Action:** Use the TR screen to check your rule definitions and update the rule scheduling criteria so as to ensure that at least one rule will be scheduled for today.

**CTT870E INSUFFICIENT CAPACITY FOR MEDIA media, VAULT vault**

**Explanation:** The Slot Management Facility could not find an empty slot for a volume being moved to the vault specified in the message. If a capacity is defined for a vault, Control-M/Tape tries to assign a slot to each volume that comes to the vault.

The appropriate Slot Definition record is not updated.

**Corrective Action:** Increase the capacity of the vault using the Vault Definition screen (screen TV), or define the vault with no capacity. Then run the CTTVTM utility in SLOTBLD mode.

**CTT871E SLOT slot ALREADY IN USE. MEDIA=media, VAULT=vault**

**Explanation:** The Slot Management Facility tried to assign a slot to a volume according to the slot number specified in the volume record, but the slot is already occupied by another volume.

Control-M/Tape does not reassign the slot number, but continues with the next volume.

**Corrective Action:** Correct the slot number in the volume record using the Volume Update screen.

**CTT872E CONTROL-M/TAPE IS STILL ACTIVE, UTILITY util CANNOT CONTINUE**

**Explanation:** The util utility cannot run in the mode requested if Control-M/Tape is active. Some Control-M/Tape utilities cannot be run while the Control-M/Tape real-time environment is active.

The utility terminates.

**Corrective Action:** See the description of this utility in the *INCONTROL for z/OS Utilities Guide.*

**CTT873E EXPECTED CONTINUATION NOT RECEIVED**

**Explanation:** An input statement was continued to the next line, but no continuation line was supplied. A comma at the end of a line indicates a continuation line, but the input was exhausted before the continuation line was received.

The program stops executing.
**Corrective Action:** Either remove the comma or supply the missing line.

**CTT874E INVALID CONTROL STATEMENT: err**

**Explanation:** The current control statement is in error.

Possible values for `err` are:

<table>
<thead>
<tr>
<th><code>err</code></th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>INVALID DATE - <code>date</code></td>
<td>The date specified (<code>date</code>) is in an invalid date format or contains invalid values. Valid formats for the date are <code>yyyymmdd</code> or <code>yymmdd</code>.</td>
</tr>
<tr>
<td>INVALID EQUATE SPECIFIED - <code>equ</code></td>
<td>The equate <code>equ</code> was used incorrectly. For the correct usage of equate, see the appendix that describes logical field names for the Control-M/Tape repository in the <em>INCONTROL for z/OS Administrator Guide</em>.</td>
</tr>
<tr>
<td>INVALID FUNCTION ISSUED</td>
<td>An invalid function was used. For a list of supported functions, see the documentation for the CTTMUP utility.</td>
</tr>
<tr>
<td>INVALID HEX VALUE SPECIFIED - <code>hex</code></td>
<td><code>hex</code> is an invalid hexadecimal value.</td>
</tr>
<tr>
<td>INVALID KEYWORD SPECIFIED - <code>kwd</code></td>
<td>The keyword <code>kwd</code> was used incorrectly, perhaps on the wrong side of the relation symbol. For the correct keyword format, see the appendix that describes logical field names for the Control-M/Tape repository in the <em>INCONTROL for z/OS Administrator Guide</em>.</td>
</tr>
<tr>
<td>INVALID NUMERIC VALUE SPECIFIED</td>
<td>A non-numeric value was specified.</td>
</tr>
<tr>
<td>INVALID PARAMETER VALUE - <code>parm= val</code></td>
<td>The value assigned to parameter <code>parm</code> is invalid. For a list of correct values, see the appendix that describes logical field names for the Control-M/Tape repository in the <em>INCONTROL for z/OS Administrator Guide</em>.</td>
</tr>
<tr>
<td>INVALID <code>parm=</code> SPECIFICATION</td>
<td>The value specified for the <code>parm</code> parameter is invalid.</td>
</tr>
<tr>
<td>INVALID RBA PARAMETER</td>
<td>An invalid value was given to an RBA field. The RBA format is <code>X hhhhhhhh</code>, where <code>X</code> is a constant and <code>hhhhhhhh</code> is a valid RBA found in the MDB.</td>
</tr>
<tr>
<td>INVALID RELATION IN KEYWORD - <code>keywd</code></td>
<td>An invalid relation symbol was used. Only the “=” symbol can be specified.</td>
</tr>
<tr>
<td>err</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
</tr>
<tr>
<td>INVALID RETENTION DATA - rtn</td>
<td>Incorrect retention data was specified. For the correct format of retention data, see the documentation for the CTTMUP utility.</td>
</tr>
<tr>
<td>INVALID STATEMENT CODE</td>
<td>The statement contained an invalid code, or was not correctly placed.</td>
</tr>
<tr>
<td>INVALID ZERO VALUE SPECIFIED</td>
<td>The value of zero is invalid.</td>
</tr>
<tr>
<td>KEYWORD NOT FOUND IN DICTIONARY - keywd</td>
<td>The keyword keywd is invalid. Check the spelling.</td>
</tr>
<tr>
<td>MANDATORY FIELDS NOT FOUND</td>
<td>At least one mandatory field is missing. For mandatory fields, see the documentation for the CTTMUP utility.</td>
</tr>
<tr>
<td>TYPERUN STATEMENT MISSING</td>
<td>The TYPERUN statement is mandatory. It was not specified.</td>
</tr>
<tr>
<td>VOLSER TOO LONG - volser</td>
<td>VOLSER should contain one through six characters only.</td>
</tr>
<tr>
<td>VALUE EXCEED MAXIMUM parm= val</td>
<td>The parm parameter has been set to a value (val) that exceeds the maximum.</td>
</tr>
</tbody>
</table>

**Corrective Action:** Correct the error and rerun the utility.

**CTT875W RULE SEARCH IS NOT PERFORMED FOR DATASET dsn**

**Explanation:** Rule search is not performed for the dsn data set that is being added. The CTTMUP utility was activated with RULEINFO set to YES (the default). The DSNADD function was requested, but the volume specified as dsvolser was not in the Media Database. A rule search cannot be performed without valid volume information.

The dsn record is added without application of rule information for this data set.

**Corrective Action:** Ensure that the correct volume keyword dsvolser was specified in command DSNADD. When adding a data set (DSNADD) and a volume (VOLADD) to contain the data set, it is recommended that commands be issued in the following order: VOLADD, DSNADD.

**CTT876I FUNCTION func PERFORMED SUCCESSFULLY. RECORD=key**

**Explanation:** This information message indicates that the specified function was performed successfully. The record key or the record type is indicated.

The CTTMUP utility continues to the next function.

**Corrective Action:** No action is required.
CTT877W VOLUME vol IS NOT EXPIRED. USE GROUP EXPIRATION FUNCTION

Explanation: The scratch action requested for the vol volume could not be performed because vol is a member of a multivolume chain, and expiration of a single volume of a multivolume chain is not allowed.

The CTTMUP utility continues to next function.

Corrective Action: Use function GRPSCR if you wish to expire the entire multivolume chain.

CTT878W MISMATCH BETWEEN DATASET LABEL AND HIGHEST LABEL OF VOLUME volser

Explanation: The data set label number does not match the number of the highest label specified on one of its volumes. All the volumes connected by a multivolume data set must have the same label number as the data set itself, except for the last volume, which can have a higher label number.

In this message, volser is the identity of the problematic volume.

The execution of the current function continues.

Corrective Action: Correct the data set label number using the DSNUPD function, or the highest label number of the volume using the VOLUPD function.

CTT879E VERIFY REJECT

Explanation: The RECUPD function discovered that the data specified in the VER statement does not correspond to the data in the selected record.

Execution of the RECUPD function is terminated.

Corrective Action: Correct the data in the VER statement according to that in the selected record.

CTT880S {POOL | VAULT} LOAD FAILED. NAME: {poolName|vaultName }

Explanation: The load of the pool or vault failed. This message is preceded by messages that explain why the pool or vault could not be loaded.

The pool or vault is not loaded.

Corrective Action: Check earlier messages for reasons the pool or vault load failed. Correct as necessary.

CTT881W {POOL | VAULT} FILE IS EMPTY. DDNAME: {DAPOOLS | DAVLTS}

Explanation: Open of the pool or vault data sets failed (the DAPOOLS or DAVLTS DD statement).

Possible causes are:

- The DAPOOLS or DAVLTS DD statement is missing.
- The data set described by the DAPOOLS or DAVLTS DD statement cannot be opened for sequential read, or the record length is not 80.

Processing continues. Control-M/Tape will not have a pool or vault defined to it.
Corrective Action: No action is required.

CTT882S ERROR IN {POOL | VAULT} DATA. MANDATORY type STATEMENT IS EITHER MISSING OR NOT IN THE CORRECT ORDER

Explanation: A statement of the type type is either missing or in the wrong order in a pool or vault definition member. The pool or vault definition data may have been manually changed incorrectly. The data does not conform to a valid Control-M/Tape format.

The pool or vault is not ordered.

Corrective Action: Restore the table to its original state from a backup copy. Reorder the pool or vault table.

CTT883I {POOL | VAULT} LOADED SUCCESSFULLY. NAME: name

Explanation: This information message indicates a pool or vault order was successfully loaded by the Control-M/Tape monitor.

The pool or vault is now in a Control-M/Tape WAIT SCHEDULE state.

Corrective Action: No action is required.

CTT884S **** ERROR IN {POOL | VAULT} STATEMENTS. CHECK THE FOLLOWING STATEMENTS ***

Explanation: The pool or vault definition is corrupt, and the data does not conform to a valid Control-M/Tape format.

This message is followed by one or more CTT885S messages describing all statements belonging to the corrupted pool or vault order. An asterisk (*) appears in the line under the erroneous data.

The pool or vault is not ordered.

Corrective Action: Restore the table to its original state by means of the Online Viewing facility; then reorder the pool or vault table.

CTT885S STATEMENT = stmt

Explanation: The pool or vault definition is corrupt.

This message follows message CTT884S. It appears once for each statement in the corrupted pool or vault in the scheduling table, each occurrence displaying a different statement. An asterisk * appears in the line under an erroneous statement.

The CTTMPVL program terminates with a condition code of 08.

Corrective Action: Try to restore the table to its original state.

CTT886S SEVERE ERROR IN {POOL | VAULT} DATA STATEMENTS

Explanation: A severe error was found in the pool or vault definition data statements. It is followed by additional messages regarding the error.

The pool or vault table is not ordered.
Corrective Action: Check for additional messages concerning the errors in the systems and IOA Log. Correct the error and reorder the table.

CTT887S POOL RANGES OVERLAP: pool1 AND pool2

Explanation: Two pools (pool1 and pool2) were defined with a range overlap. Therefore, some volumes may belong to both pools. Control-M/Tape requires that volume ranges be unique for all pools. The initialization process terminates.

Corrective Action: Correct the pool definitions so that no volume is defined in more than one pool.

Messages CTT900 through CTT9xx

This group includes messages for the Control-M/Tape product.

CTT900E VALID LABELS ARE SL/NL/NSL/AL

Explanation: An invalid label type was specified in the LABEL TYPE field. The LABEL TYPE field is used to specify the label type of the external volume to be added (or modified) to the Control-M/Tape Media Database (MDB).

Valid label types are:
- SL - Standard label
- NL - No label
- NSL - Nonstandard label
- AL - ANSI label

Corrective Action: Correct the entry by specifying a valid label type.

CTT901E VALID RETENTION TYPES ARE DAY/DAT/P/C/R/M

Explanation: An invalid retention type was specified in the RETENTION field. The RETENTION field specifies a period for which an external volume should be kept. Different retention types specify different ways to calculate the duration to retain an external volume before it may be used as a scratch volume.

Valid retention types are:
- DAT - Date
- DAY - Days
- P - Permanent
- C - MVS catalog
- R - according to specified rules
- M - MVS Catalog

Corrective Action: Correct the entry by specifying a valid retention type.
CTT902E INVALID DATA ON RETENTION LINE

**Explanation:** Either data were specified for a retention type that does not allow additional data, or a retention type was changed to a retention type for which additional data are not allowed. The RETENTION field is used to specify a period for which an external volume should be kept. Additional data are not valid for the PERMANENT and MVS CATALOG retention types.

**Corrective Action:** Correct the entry by clearing out the additional data after the RETENTION field.

CTT903E VOLSER volser ALREADY EXISTS IN MDB

**Explanation:** An attempt was made to add a volume (volser) to the Control-M/Tape Media Database (MDB), and the volume name already exists in the MDB. The MDB contains information about all the volumes known to Control-M/Tape. The SL-NAME field must contain a unique volume identification for Control-M/Tape.

The entry is not added to the MDB, nor is the existing record in the MDB modified by any of the fields in the Check-In Volume screen.

**Corrective Action:** If the existing entry in the MDB refers to the external volume specified, then exit the Check-In Volume screen, or add a different external volume.

If the existing entry does not refer to the external volume specified, and they happen to share the same identification, then do the following:

1. Specify a new unique identification in the SL-NAME field. This may be a brand new ID and is used by Control-M/Tape internally. This name is not physically written on the volume.

2. Specify in the VOLSER field the value that was previously specified in the SL-NAME field (the physical volser).

The SL-NAME and VOLSER fields should contain the same value, except in cases described above in which the SL-NAME is an ID given to Control-M/Tape for internal purposes and VOLSER is the physical ID of the volume. All references to this volume using Control-M/Tape should be done using the ID in the SL-NAME field.

CTT904I VOLSER volser ADDED TO MDB

**Explanation:** This information message indicates that external volume volser was successfully added to the Control-M/Tape Media Database (MDB).

**Corrective Action:** No action is required.

CTT905E PREVIOUS DATASET FIELD MUST BE SPECIFIED

**Explanation:** A data set name was specified in a DATASET # field, but no value was specified in the previous DATASET # field.

DATASET # fields specify a list of data set names that appear on the external volume. The list may not contain entries separated by an empty field. This information is automatically recorded in the Media Database (MDB) whenever the external volume is read under Control-M/Tape, but only after the external volume is added to the MDB.

**Corrective Action:** Correct the list of data set entries by filling in the blank field or by clearing all the entries following the empty data set entry.
CTT906E AT LEAST ONE DATASET SHOULD BE SPECIFIED TO ENABLE CATALOGING

**Explanation:** A request was made to catalog the data sets of an external volume but no data set names were specified in the DATASET # fields. A value of Y (yes) specified in the MVS CATALOG is a request to catalog all of the volume data sets specified. If no data set names are listed, cataloging cannot be performed.

**Corrective Action:** Specify at least one DATASET # value or change the value of the MVS CATALOG field to N (no).

CTT907E AT LEAST ONE DATASET SHOULD BE SPECIFIED TO ENABLE CATALOG RETENTION

**Explanation:** The retention period of the external volume was set to MVS CATALOG, but there were no data sets specified in the DATASET # fields.

Specifying a retention type of MVS CATALOG in the RETENTION field means keep the external volume as long as the data sets on the external volume are cataloged. If no data set names are listed, no data sets are cataloged and this retention period cannot be supported.

**Corrective Action:** Either specify at least one DATASET # value, or change the retention type of the external volume to a type other than MVS CATALOG.

CTT908S CATALOG OF dsn FAILED. RC=rc

**Explanation:** A request to add an external volume to the MDB using the ENTER command and a request to catalog the data sets of the external volume by specifying Y in the MVS CATALOG field both failed. The ENTER command triggers both requests. Cataloging is performed first.

The variables in this message are:

- `dsn` - the name of the data set
- `rc` - the return code

Possible values of `rc`, and their explanations are shown in the following table:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>The required catalog does not exist or is not open.</td>
</tr>
<tr>
<td>8</td>
<td>The user is not authorized to perform the operation.</td>
</tr>
<tr>
<td>20</td>
<td>There is insufficient space on the catalog data set.</td>
</tr>
<tr>
<td>24</td>
<td>Either an attempt was made to catalog an improperly named generation data set, or the generation index is full and the named data set is older than any in the index.</td>
</tr>
<tr>
<td>28</td>
<td>An I/O error occurred.</td>
</tr>
</tbody>
</table>

The data sets are not cataloged. The external volume is not added to the MDB.
Corrective Action: Check the return code to see why the catalog attempt was unsuccessful. After the cataloging problem is resolved, try again.

CTT909E LABEL OF DATASET MUST BE HIGHER THAN lbl_num

Explanation: The label number specified in a DATASET# field is lower or equal to the previous label number. The label number of a data set must be higher than the label number of the preceding data set. The first data set in the list must have label number of 1 or higher.

Corrective Action: Correct the label number of the data set by entering a valid sequence of label numbers in the data set list.

CTT910E PREVIOUS MULTI-VOLUME SL-NAME MUST BE SPECIFIED

Explanation: An SL-NAME was specified in one of the multivolume SL-NAME fields but the previous SL-NAME field in the list was empty.

Multivolume SL-NAME fields specify a list of volumes that are spanned by the last specified data set. For example, the last data set in the list spans the SL-NAME that appears at the top of the screen as well as all the multivolume SL-NAMEs filled in at the bottom of the screen. The multivolume list may not contain two completed entries separated by a blank entry.

Corrective Action: Correct the list of multivolume SL-NAMEs either by filling in the blank entry or by clearing all the other SL-NAME fields following the blank entry.

CTT911E SL-NAME CANNOT BE SPECIFIED WITHOUT VOLSER

Explanation: An SL-NAME was specified in one of the multivolume SL-NAME fields but the corresponding VOLSER field in the list was not specified. If the SL-NAME field is specified, then the VOLSER field must also be specified. For more information, see the description of the SL-NAME concept in the section on volume processing in the Control-M/Tape User Guide.

Corrective Action: Correct the list of multivolume volsers by filling in the VOLSER field or removing the SL-NAME field.

CTT912E ADDITIONAL VOLSER volser ALREADY EXISTS IN MDB

Explanation: A volser was entered in one of the multivolume SL-NAME fields but this volser already exists in the Media Database.

Multivolume SL-NAME fields specify a list of volumes which are spanned by the last specified data set. For example, the last data set in the list spans the SL-NAME that appears at the top of the screen as well as all the multivolume SL-NAMEs filled in at the bottom of the screen. A unique value must be specified in the SL-NAME field; the volume cannot be identified with a non-unique identifier.

Corrective Action: Correct the list of multivolume SL-NAMEs by identifying the volume with a unique identifier (a new SL-NAME) which should be entered in the SL-NAME field. (In such a case, the VOLSER field should be used to hold the actual volume serial number which is not unique.)

CTT913I MULTI VOLUMES ADDED TO MDB STARTING WITH VOLSER volser

Explanation: This information message indicates that external multi volumes (volsers) were successfully added to the Control-M/Tape Media Database.
The Media Database contains information about all volumes known to Control-M/Tape. An attempt to add using command ENTER external multi volumes to the Media Database was successful. For example, the external multi volumes were entered as known volumes to the Media Database.

**Corrective Action:** No action is required.

**CTT913S OPEN OF DDNAME "SYSPRINT" FAILED**

**Explanation:** The opening of a print file failed.
Possible causes are:
- The DD statement SYSPRINT is missing.
- The data set described by the DD statement SYSPRINT cannot be accessed for sequential write.

The program stops executing.

**Corrective Action:** Correct the JCL and submit again.

**CTT914E ADDITIONAL VOLSER volser HAS BEEN PREVIOUSLY SPECIFIED IN LIST**

**Explanation:** A volser was entered in one of the multivolume SL-NAME fields but this volser already exists in one of the multivolume SL-NAME fields or in the first SL-NAME field.

Multivolume SL-NAME fields specify a list of volumes which are spanned by the last specified data set. For example, the last data set in the list spans the SL-NAME that appears at the top of the screen, as well as all the multivolume SL-NAMEs filled in at the bottom of the screen. A unique value must be specified in the SL-NAME field; the same value cannot appear twice in the same list.

**Corrective Action:** Correct the list of multivolume SL-NAMEs by eliminating SL-NAMEs that appear more than once in the list.

**CTT915S DSN dsn ALREADY CATALOGED**

**Explanation:** A request to add an external volume to the Media Database using the ENTER command and a request to catalog the data sets of the external volume by specifying Y in the MVS CATALOG field both failed. The ENTER command triggers both, but performs cataloging first. Cataloging of the data set failed, because one of the data sets (dsn) is already cataloged.

The data sets are not cataloged and the external volume is not added to the Media Database.

**Corrective Action:** Notify your system programmer. To add the external volume, change the value in the MVS CATALOG field from Y to N.

**CTT916I CONTROL-M/TAPE IS NOT ACTIVE. IOA DO COMMANDS WILL HAVE NO EFFECT**

**Explanation:** An attempt was made to process IOA DO commands with a WHEN CHECKIN statement or the RETENTION by RULES option while Control-M/Tape was not active.

IOA DO commands in matching rules are ignored. If RETENTION BY RULES is requested, no retention or vaulting pattern is set for any data set in the checked in volume.
**Corrective Action:** To perform IOA DO commands in matching rules, or to implement the retention and vaulting pattern defined in Control-M/Tape rules for the checked-in data sets, start Control-M/Tape by means of CTTINIT.

**CTT917I** RANGE OF EXTERNAL VOLUME REFERENCES BY PREFIX IS FULL

**Explanation:** The range of volume names using the external prefix is full. The External Volume Reference Prefix is defined in CTTPARM by the EXTRNVOL parameter. All volume names defined by this prefix are already defined in the Media Database (MDB).

The name of the volser will no longer be assigned automatically by Control-M/Tape.

**Corrective Action:** Fill in an alternate volser name.

**CTT918I** PRESS ENTER TO CONFIRM THE ADDITIONAL VOLSER LIST

**Explanation:** When the CTTPARM EXTRNVOL parameter is set, when entering a multi-volume data set on the TC screen (EXTERNAL VOLUME CHECK-IN SCREEN), this message requests that the user confirm each additional volume name as the volume is added.

**Corrective Action:** Press Enter to confirm each additional volume name.

**CTT919E** CONTROL-M/TAPE IS NOT ACTIVE. RETENTION BY RULES CANNOT BE REQUESTED.

**Explanation:** RETENTION BY RULES was specified when checking-in an external volume in screen TC while Control-M/Tape was inactive.

The retention for the checked-in volume cannot be determined. Therefore, the check-in is rejected. Control-M/Tape rules can only be applied when Control-M/Tape is active. Only manually specified retention types can be used in the TC screen when Control-M/Tape is inactive.

The online screen waits for a retention type to be manually specified for the volume.

**Corrective Action:** Do one of the following:

- Start Control-M/Tape using the CTTINIT procedure, and then check-in the volume.
- Manually specify a retention type for the volume in screen TC.

**CTT920E** INVALID UNIT NAME unitname

**Explanation:** The unitname unit name is not defined in the system.

The requested action fails. If issued by the CTTUGNM utility, the utility continues to process the next volume record.

**Corrective Action:** Perform one of the following actions:
If issued when trying to add a tape in a TC screen, correct the unit name specified in the ON UNIT field to the correct unit name for the volume being added.

If issued in the output of the CTTUGNM utility, the message is followed by message CTT202I, which contains the details of the failing volume. Use CTTMUP to change the unit name for this volume to be a valid unit name that is defined in the system, and rerun the CTTUGNM utility.

CTT921E UNIT NAME IS REQUIRED WHEN CATALOG=Y IS SPECIFIED

Explanation: A unit name should be specified when datasets are cataloged.
Corrective Action: Specify a valid unit name in the ON UNIT field.

CTT922E service req FAILED. UNIT=unitName RC=rc REASON=rsn

Explanation: The specified service and request for the unitName unit failed with the specified return and reason codes.

This message is followed by message CTT202I, which contains the details of the failing volume.

The CTTUGNM utility continues to process the next volume record.

Corrective Action: For the EDTINFO service, a request of RTNDEVN, a return code of 8, and a reason code of 00000001, change the unit name for this volume to be a valid unit name that is defined in the system using CTTMUP, and rerun the CTTUGNM utility.

For any other information, verify that the unit name is defined in the system and that there are devices attached to it. If not, change the unit name of the volume record to be a valid unit name and rerun the CTTUGNM utility.

CTT930I opc (type) RBA=x'rba' DT=date /time V=vol /dsn

Explanation: This information message indicates the physical recovery of a Media Database (MDB) record from the Trace file. The message is issued for every physically recovered MDB record.

The variables in this message are:

- opc - Operation code for the operation performed on the MDB.

Valid values are:

<table>
<thead>
<tr>
<th>opc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEL</td>
<td>The record is deleted from the MDB.</td>
</tr>
<tr>
<td>ADD</td>
<td>The record is added to the MDB.</td>
</tr>
<tr>
<td>UPD</td>
<td>The record is updated in the MDB.</td>
</tr>
</tbody>
</table>
- **type** - Record type in the MDB.

  Valid values are:

<table>
<thead>
<tr>
<th>type</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS</td>
<td>Data set record</td>
</tr>
<tr>
<td>VL</td>
<td>Volume record</td>
</tr>
<tr>
<td>CT</td>
<td>Vault control</td>
</tr>
<tr>
<td>CA</td>
<td>Vault capacity</td>
</tr>
<tr>
<td>CN</td>
<td>Vault continuation</td>
</tr>
</tbody>
</table>

- **rba** - RBA of the record being updated, added, or deleted.

- **date** - Date portion of the record timestamp.

- **time** - Time portion of the record timestamp.

- **vol** - For DSN record, the first volume of the data set. For other record types, this field is blank.

- **dsn** - For DSN record, data set name. For other record types, this field is blank.

**Corrective Action:** No action is required.

CTT931I  opc (type)  U=userId /jobId DT=date /time V=vol /lbl /dsName

**Explanation:** This information message indicates the logical recovery of a Media Database (MDB) record from the Trace file. The message is issued for every logically recovered MDB record.

The variables in this message are:

- **opc** - Operation code for the operation performed on the MDB.

  Valid values are:

<table>
<thead>
<tr>
<th>opc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEL</td>
<td>The record is deleted from the MDB.</td>
</tr>
<tr>
<td>ADD</td>
<td>The record is added to the MDB.</td>
</tr>
<tr>
<td>UPD</td>
<td>The record is updated in the MDB.</td>
</tr>
<tr>
<td>CAT</td>
<td>The data set is cataloged.</td>
</tr>
<tr>
<td>MAT</td>
<td>The MDB record does not match its data in the Trace file.</td>
</tr>
</tbody>
</table>
- type - Record type in the MDB.
  Valid values are:

<table>
<thead>
<tr>
<th>type</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS</td>
<td>Data set record</td>
</tr>
<tr>
<td>VL</td>
<td>Volume record</td>
</tr>
<tr>
<td>CT</td>
<td>Control record</td>
</tr>
<tr>
<td>CA</td>
<td>Vault capacity</td>
</tr>
<tr>
<td>CN</td>
<td>Vault continuation</td>
</tr>
</tbody>
</table>

- userId - Job name or user ID of the job that caused the record to be written.
- jobId - Jobid of the above job name or user ID.
- date - Date portion of the record timestamp.
- time - Time portion of the record timestamp.
- vol - For a data set name or cat record, the first volume of the data set. For other record types, this field is blank.
- lbl - For a data set name or cat record, label number of the data set on the volume. For other record types, this field is blank.
- dsn - For a data set name or cat record, data set name. For other record types, this field is blank.

Processing continues unless an error occurs. A later message indicates if the process is prematurely terminated. If terminated, recovery is complete up to the point of termination. All MDB records created prior to that point reflect the unrecovered situation.

Corrective Action: No action is required.

CTT932E opcode REQUIRED FOR THE FOLLOWING RECORD BUT IT WAS [NOT] FOUND IN MDB:

Explanation: The opcode action requested for the record cannot proceed. Possible causes are:

- If opcode is ADD and the record already exists in the Media Database.
- If opcode is DEL or UPD and the record does not exist in the Media Database.
- In simulation mode, this message may be issued if previous records were not added to the Media Database.

Note:

In normal mode, recovery can be successful without issuing the message.

This message precedes message CTT931I.

Processing of records continues.
**Corrective Action:** No action is required.

**CTT934I**  
*num* RECORDS WERE {DELETED | UPDATED | ADDED}

**Explanation:** This information message is issued at the end of a logical or physical recovery.  
**Corrective Action:** No action is required.

**CTT935E** CATALOG FAILED. **RC:** rc **DSN:** dsn  

**Explanation:** The catalog operation for the specified data set failed with the specified rc. Whenever the CTTRTM utility expires a data set, it uncatalogs the data set. When the actions of the CTTRTM run are reversed using Logical Recovery, the CTTRCV utility tries to recatalog the data set.  
**Corrective Action:** Determine why the catalog operation failed and proceed accordingly. If the return code is 8, probably the data set is already cataloged. The meaning of other return codes is in IBM documentation for LOCATE return codes. The CTTRCV utility must run in the same catalog environment in which the CTTRTM utility ran.

**CTT936E** THE FOLLOWING RECORD WAS FOUND WITH DIFFERENT FIELDS IN THE TRACE FILE AND THE MDB  

**Explanation:** A trace record to be recovered has incompatible data in the Media Database (MDB). The record was updated at least one time after its current appearance in the Trace file. The record cannot be recovered because its trace file afterimage does not match its current data in the MDB. Recovering the data will cause loss of integrity.  
This message precedes message CTT931.  
Recovery is not performed for all records. However, the recovery job continues running until all records to be recovered are found, and appropriate messages issued.  
**Corrective Action:** To omit processing of the record, use INCLUDE and/or EXCLUDE statements. If you set the FORCE parameter to YES, this message is issued but recovery is performed anyway. Setting FORCE to YES may cause loss of integrity in the MDB. For more information, refer to documentation for the CTTRCV utility in the *INCONTROL for z/OS Utilities Guide*.

**CTT937I**  
*num* RECORDS ARE NOT MATCHED WITH DATA IN THE MDB  

**Explanation:** This statistical information message issued at the end of a logical or physical recovery of the Media Database (MDB) indicates the number of records (*num*) that were found with different fields in the Trace file and the MDB.  
**Corrective Action:** No action is required.

**CTT950E** COULD NOT ACCESS lib (mem)  

**Explanation:** Dynamic allocation of the mem member in the specified library failed. The indicated library member should contain the rule list. It is usually found in the Control-M/Tape parameter library.  
**Corrective Action:** Check that the DARLLIB DD statement points to a library containing the RULLIST member. If it does, check for possible I/O errors on that library.
CTT951E FILE DARSR COULD NOT BE BROWSED

Explanation: Dynamic allocation of the output file created by simulation the CTTCRSS utility failed. The probable cause of failure is that the output file could not be created by the CTTCRSS utility due to an SPF problem in the profile.

Corrective Action: Reactivate the CTTCRSS utility using CLIST CTTCRSS, and using the DEBUG parameter to get detailed information. If the failure is due to an SPF problem, correct accordingly. Otherwise, notify BMC Software Customer Support.

CTT952I NO RULE WAS ACTIVATED BY THESE CONDITIONS

Explanation: This information message indicates that the specified combination of conditions caused no rule to be activated.

Since no rules were activated, the simulation showed no results. However, in an identical situation, the Control-M/Tape Real Time environment would use either the JCL EXPIRATION DATE, if supplied, or the retention defaults defined in the installation parameters.

Corrective Action: No action is required.

CTT953S ONE OF THE RULES SPECIFIED BY THE RULE LIST IS INVALID

Explanation: An invalid rule definition was encountered during new RULLIST processing.

Corrective Action: Correct the invalid rule definition and rerun the CTTCRSS simulation utility. To find which rule is invalid, activate CLIST CTTCRSS using the DEBUG parameter. This parameter enables debug listings.

CTT954S INTERNAL ERROR IN "CTTCRSS"

Explanation: An unrecognized return code was issued during the processing of the CTTCRSS simulation utility.

Corrective Action: Reactivate CTTCRSS using CLIST CTTCRSS, and using the DEBUG parameter to get detailed information. Notify BMC Software Customer Support of the results.

CTT955S UNABLE TO LOAD NEW RULE LIST. CORRECT RULLIST FILE

Explanation: The new rules could not be loaded, probably because invalid data was found in the rule order list file specified in the RULLIST file.

The simulation terminates.

Corrective Action: Correct the RULLIST file and rerun the CTTCRSS simulation utility.

CTT961E {DATA | INDEX} RECORD DOES NOT HAVE MATCHING {INDEX | DATA} RECORD RECTYPE=type

Explanation: The CTTIDB utility detected a data or index record in the Media Database (MDB) with no corresponding index or data record. Each data record should have a corresponding index record pointing to it, and each index record should point to a data record.

This message is issued with message CTT724I, which provides additional information about the problem record (volser, rba, and optionally, label, and data set).
The utility continues processing.

**Corrective Action:** If this problem occurs many times, rebuild the index using the CTTBIX utility.

**CTT963E INDEX RECORD DIFFERS FROM DATA**

**Explanation:** The CTTIDB utility detected a data record whose index fields do not match the key of the index record which is pointing to the data record.

This message is issued with messages CTT202I and CTT724I. Message CTT202I indicates the differences between the data record index fields and the key fields of the index record. Message CTT724I provides additional information about the problem record (volser, rba, and optionally, label and data set).

The utility continues processing.

**Corrective Action:** If this problem occurs many times, rebuild the index using the CTTBIX utility.

**CTT964E SPECIFIED VOLUME NUMBER (DDSVOLS#=%num1%) DIFFERS FROM NUMBER OF L INDEX (%num2%)**

**Explanation:** The CTTIDB utility detected that the number of volumes (%num1%) specified in DDSVOLS# does not equal the L index count (%num2%). These two values should be equal. DDSVOLS# is the data set data record field that contains the number of volsers on which the data set resides. Each of these volsers should have an L index record in the Index file.

This message is issued with message CTT724I, which provides additional information about the problematic record (volser, rba, and (optionally) label and data set).

The utility continues processing.

**Corrective Action:** If this problem occurs many times, rebuild the index using the CTTBIX utility.

**CTT967E SPECIFIED LAST DATASET VOLUME RECORD (%num1%) DIFFERS FROM LABEL OF LAST DATASET (%num2%)**

**Explanation:** The CTTIDB utility detected a volume record whose specified number of data sets (%num1%) is not equal to its highest data set sequence number (%num2%). These values should be the same.

This message is issued with message CTT724I, which provides additional information about the problematic record (volser, rba, and (optionally) its label).

The utility continues processing.

**Corrective Action:** Correct the problem manually using the CTTMUP utility. If the problem persists, see the INCONTROL for z/OS Utilities Guide.

**CTT968E SPECIFIED NUMBER OF ACTIVE DATASETS (%num1%) IN VOLUME RECORD DIFFERS FROM DATASET COUNT (%num2%)**

**Explanation:** The CTTIDB utility detected a volume record whose specified number of active data sets (%num1%) is not equal to the actual number of data sets counted (%num2%). These values should be the same.

This message is issued with message CTT724I, which provides additional information about the problematic record (volser, rba, and optionally, its label).

The utility continues processing.
Corrective Action: Correct the problem manually using the CTTMUP utility. If the problem persists, see the *INCONTROL for z/OS Utilities Guide*.

**CTT969E RECORD REFERS TO A WRONG VOLUME. TYPE=*/type*

**Explanation:** A Control-M/Tape utility received a record other than the specific volume record that was expected. The record received either belonged to a different volume or was not a volume record.

The utility continues processing.

**Corrective Action:** Do the following:

1. Use the CTTIDB utility to list all errors in the Media database.
2. Use the CTTMUP utility to correct all errors found by the CTTIDB utility.

**CTT972E VOLUME vol NOT FIRST BUT HAS AN ADDITIONAL VAULT RECORD**

**Explanation:** The CTTIDB utility detected a volume data record that is not the first volume in a multivolume data set, but has an additional vault record associated with it. Only the first volume in a multivolume chain should have an additional vault record associated with it.

This message is issued with message CTT724I, which provides additional information about the problematic record (volser, rba, and optionally its label).

The utility continues processing.

**Corrective Action:** Contact your database administrator for assistance.

**CTT973E SPECIFIED NUMBER OF DATASET VOLUMES (num1) DIFFERS FROM VOLUME COUNT (num2)**

**Explanation:** The CTTIDB utility detected a data set data record whose specified number of volumes (num1) does not equal its actual number of associated volumes (num2). These values should be the same.

This message is issued with message CTT724I, which provides additional information about the problematic record (volser, rba, and optionally, its label).

The utility continues processing.

**Corrective Action:** Contact your database administrator for assistance.

**CTT975E VOLUME vol IS NOT SCRATCHED AND NOT ACTIVE**

**Explanation:** The CTTIDB utility detected a volume data record which is not scratched, deleted, or active. A volume status should be ACTIVE, SCRATCH, or DELETED.

The utility continues processing.

**Corrective Action:** Contact your database administrator for assistance.
CTT976E VOLUME volser IS SCRATCH BUT DATASET ON LABEL num IS ACTIVE

Explanation: A Control-M/Tape utility detected a SCRATCH volume (volser) that contains an ACTIVE data set. All the data sets on a SCRATCH volume should be SCRATCH. This situation is probably a result of a job abend or a system crash.

The utility continues processing.

Corrective Action: Determine whether the data set and the volume should be SCRATCH or ACTIVE, and change status accordingly using the CTTMUP utility.

CTT977E status1 VOLUME volser IS INCONSISTENT WITH status2 FIRST VOLUME first_vol

Explanation: A Control-M/Tape utility detected a chained volume (volser) with a status different from the status of the first volume for this multivolume chain. This situation is probably a result of a job abend or a system crash. All data sets and volumes of a multivolume chain must have the same status.

The variables in this message are:

- status1 -- Status of the detected volume in error.
- volser -- Volume serial number of the volume in error.
- status2 -- Status of the first volume in the multi volume chain.
- first_vol -- Volume serial number of the first volume in the multivolume chain.

The utility continues processing.

Corrective Action: Determine the correct status for the volumes in this multivolume chain, and update the volumes and data sets of the group accordingly, using the CTTMUP utility.

CTT980E RBA rba: INVALID RECORD TYPE: rcrd_type

Explanation: A Control-M/Tape utility detected a Media Database record with an invalid record type.

The variables in this message are:

- rba - the record RBA
- rcrd_type - the invalid type

The utility continues processing.

Corrective Action: Contact your database administrator for assistance.

CTT982E RBA rba: ACTIVEDS(num) IS HIGHER THAN LBLNUM (lbl_num) OF VOLUME

Explanation: A Control-M/Tape utility detected a logical error in a volume record. The value in the ACTIVEDS field cannot be greater than the value in the LBLNUM field.

The variables in this message are:
**CTT997E RBA rba : I/O ERROR WHILE TRYING TO READ VOLUME: vol**

**Explanation:** A Control-M/Tape utility encountered an I/O error while trying to read the volume record of the specified volume. In this message, rba is the RBA of the volume record of the specified volume.

This message is accompanied by message CTT200S, which provides information on the nature of the I/O error.

The utility continues processing.

**Corrective Action:** Contact your database administrator for assistance.

**CTT998E RBA rba : DSN num IS ACTIVE, BUT VOLUME vol IS SCRATCH**

**Explanation:** A Control-M/Tape utility detected a SCRATCH volume with an ACTIVE data set. n is the data set label. In this message rba is the RBA of the data set record. A SCRATCH volume cannot contain ACTIVE data sets.

Information message CTT999I, which describes the record in error, accompanies this message.

The utility continues processing.

**Corrective Action:** Determine if the data set and the volume should be SCRATCH or ACTIVE. Then depending on the results, do one of the following:

- Change volume status (VOLSTAT) to ACTIVE using the VOLUPD function of the CTTMUP utility.
- Change the data set status (DSSTAT) to SCRATCH using the DSNUPD function of the CTTMUP utility.

**CTT999I rcd_desc**

**Explanation:** This information message describes a DATA or INDEX record in error. The nature of the error is described in the previous message.
Possible values for `rcrd_desc` are set out in the following table:

<table>
<thead>
<tr>
<th>rcrd_desc value</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>In the case of a data record:</strong></td>
<td></td>
</tr>
</tbody>
</table>
| D `dsn volser lbl` | All fields are taken from the data set record, where:  
  - `dsn` is the data set name  
  - `volser` is the volser on which the data set starts  
  - `lbl` is the data set label |
| V `volser SEQ: num [FIRST: first_vol ] [PREV: prev_vol ] [NEXT: next_vol]` | All fields are taken from the volume record, where:  
  - `volser` is the volser of the volume  
  - `num` is the volume sequence number in its multivolume chain  
  - `first_vol` is the volser of the first volume in the multivolume chain  
  - `prev_vol` is the previous volume in the multivolume chain  
  - `next_vol` is the next volume in the multivolume chain |
| **Note:** | Fields (first_vol, prev_vol, and next_vol) that are empty in the volume record do not appear in text of this message. |
| T `volser` | A volume continuation record, where `volser` is the volser of this volume continuation record. |
| B `boxId media num` | A box record, where:  
  - `boxId` is the name of the box  
  - `media` is the media of the box.  
  - `num` is the box record count in the Media Database |
| **In the case of an index record:** | |
| K D `dsn` | Index to a data set record, where `dsn` is the data set name. |
| K V `volser` | Index to a volume record, where `volser` is volser of the volume. |
### **rcrd_desc value** | **Explanation**
---|---
K L `{volser} {lbl}` | L-type index, where:
  - `{volser}` is the volser of the data set
  - `{lbl}` is the data set label (file sequence number)

K T `{volser}` | Index to a volume continuation record, where `{volser}` is the volser of the volume.

K A `{vault}` | Vault index, where `{vault}` is the vault name.

K C `{hex_contents}` | Index to a control record, where `{hex_contents}` are the contents of the key in hexadecimal format.

K B `{boxId} {media} {num}` | Index to a box record, where:
  - `{boxId}` is the box name
  - `{media}` is the media of the box
  - `{num}` is the box record count in the Media Database

Possible values for `DATA rcrd_desc` are:

- **D `{dsn} {volser} {lbl}`** All fields are taken from the data set record, where:
  - `{dsn}` is the data set name
  - `{volser}` is the volser on which the data set starts
  - `{lbl}` is the data set label

- **V `{volser} SEQ: {num} [FIRST: {first_vol}] [PREV: {prev_vol}] [NEXT: {next_vol}]`** All fields are taken from the volume record, where:
  - `{volser}` is the volser of the volume
  - `{num}` is the volume sequence number in its multivolume chain
  - `{first_vol}` is the volser of the first volume in the multivolume chain
  - `{prev_vol}` is the previous volume in the multivolume chain
  - `{next_vol}` is the next volume in the multivolume chain

Note:

Fields (FIRSTVOL, NEXTVOL, and PREVVOL) that are empty in the volume record do not appear in text of this message.
- **T volser**: A volume continuation record, where `volser` is the volser of this volume continuation record.
- **B boxId media num**: A box record, where:
  - `boxId` is the name of the box.
  - `media` is the media of the box.
  - `num` is the box record count in the Media Database.

Possible values for `INDEX rcrd_desc` are:
- **K D dsn**: Index to a data set record, where `dsn` is the data set name.
- **K V volser**: Index to a volume record, where `volser` is volser of the volume.
- **K L volser lbl**: L-type index, where:
  - `volser` is the volser of the data set.
  - `lbl` is the data set label (file sequence number).
- **K T volser**: Index to a volume continuation record, where `volser` is the volser of the volume.
- **K A vault**: Vault index, where `vault` is the vault name.
- **K C hex_contents**: Index to a control record, where `hex_contents` are the contents of the key in hexadecimal format.
- **K B boxId media num**: Index to a box record, where:
  - `boxId` is the box name.
  - `media` is the media of the box.
  - `num` is the box record count in the Media Database.

**Corrective Action**: No action is required.

### Messages CTTA00 through CTTAxx

This group includes messages for the Control-M/Tape product.

**CTTA55E TASK IS NOT APF AUTHORIZED**

**Explanation**: A started task (STC) requiring APF authorization was not APF authorized. Certain STCs (for example, CTMVMON) must be run from APF authorized libraries.

The task stops after issuing the error message.

**Corrective Action**: Change the JCL or authorize the library so that the STC will be run from an authorized library.

### Messages CTTB00 through CTTBxx

This group includes messages for the Control-M/Tape product.
CTTB00I  CTTSBD PROCESSING COMPLETED|STOPPED, MODE=NORMAL|SIMULATION, REASON=rsn

**Explanation:** This information message indicates that the current run of the CTTSBD utility was either completed or stopped. The reason for stopping the current run of the utility is one of the following:

- **PROCESSED ALL SELECTED VOLUMES** - The utility finished processing the selected volumes and ended normally.
- **OPERATOR REQUEST** - The utility was ended in response to an operator command issued by the user.
- **EXCEEDED ALLOWED NUMBER OF FAILURES (MAXERR=)** - More than a specified maximum number of recoverable errors were detected.
- **FREED REQUESTED NUMBER OF VOLUMES (NUMVOL=)** - The utility freed a specified a maximum number of volumes.
- **REACHED THE ALLOTTED AMOUNT OF TIME** - A specified time limit was reached.
- **INTERNAL ERROR** - The utility ended due to an internal error.

The utility stops execution.

**Corrective Action:** The action depends on the value of rsn, as follows:

- If rsn is **EXCEEDED ALLOWED NUMBER OF FAILURES (MAXERR)**, search for other messages that describe the specific errors detected, and make all necessary corrections.
- If rsn is **INTERNAL ERROR**, contact BMC Software Customer Support.
- All other reasons do not require any action.

CTTB02E  INPUT VERB INVALID OR OUT OF ORDER

**Explanation:** The CTTSBD utility encountered an invalid input statement or an input statement that was not in the expected order.

The utility stops execution.

**Corrective Action:** Check the input to the utility, correct the statement in error, and rerun the utility.

CTTB03E  UNRECOGNIZED KEYWORD: parm

**Explanation:** An invalid parameter was specified in the input for the CTTSBD utility.

The utility stops execution.

**Corrective Action:** Check the input to the utility, correct or replace the invalid parameter, and rerun the utility.

CTTB04E  ERROR IN KEYWORD: parm

**Explanation:** An inappropriate value was specified for the parm parameter in the input for the CTTSBD utility.

The utility stops execution.

**Corrective Action:** Check the input to the utility, correct the parameter in error, and rerun the utility.
CTTB05E OPEN FAILED FOR DDNAME: ddName

Explanation: The CTTSBD utility was unable to open the ddName file during this run. The utility stops execution.

Corrective Action: Check the JCL used to execute the CTTSBD utility and verify that all files used by the CTTSBD utility are allocated properly.

CTTB06E ATTACH/LOAD OF SUBTASK/MODULE: modName FAILED

Explanation: The modName module or subtask of the CTTSBD utility could not be activated. The utility stops execution.

Corrective Action: Verify that the appropriate LINKLIST and STEPLIB libraries are available to the CTTSBD utility, and that a sufficient region size is allocated for the utility.

CTTB07E MISSING CONTINUATION RECORD

Explanation: A syntax error was found in a multiline statement in the input for the CTTSBD utility. A continuation record was not found where expected. The utility stops execution.

Corrective Action: Check the input to the CTTSBD utility, correct the statement in error, and rerun the utility.

CTTB08E UNABLE TO OBTAIN VIRTUAL STORAGE

Explanation: The CTTSBD utility could not run due to insufficient storage (memory). The utility stops execution.

Corrective Action: Ensure that sufficient virtual storage is available for CTTSBD execution.

CTTB09E STATEMENT OUT OF ORDER

Explanation: A syntax error was found in the member containing data set group definitions for the CTTSBD utility. This message is issued when a member containing data set group definitions does not start with a GROUP statement. The utility stops execution.

Corrective Action: Check and correct the data set group definition member referenced by the CTTSBGRP DD statement, and rerun the CTTSBD utility.

CTTB10E CTTSBD INTERNAL ERROR: mod-func

Explanation: An internal error was detected in the mod module and func function of the CTTSBD utility. The utility stops execution.

Corrective Action: Contact BMC Software Customer Support. Supply the text of this message, and prepare a copy of the JCL used to execute the CTTSBD utility and any output (including the dump) that were produced by this run of the utility.
CTTB11E LOAD OF CONTROL-M/TAPE CONTROL TABLE (TCT) FAILED

Explanation: The CTTSBD utility was unable to locate the Control-M/Tape Control Table. Control-M/Tape is not active. The CTTSBD utility can run only when Control-M/Tape is active.

The utility stops execution.

Corrective Action: Start Control-M/Tape and rerun the utility.

CTTB13I CTTSBD REACHED SPECIFIED TIME LIMIT - PROCEEDING TO COMPLETE CURRENT INPUT VOLUME CHAIN

Explanation: This information message indicates that the CTTSBD utility has been running for the maximum amount of time specified in the TIMELIM parameter.

The utility finishes processing the INPUT volume chain of the current data set and then shuts down.

Corrective Action: No action is required.

CTTB14I CTTSBD SHUTDOWN REQUESTED BY OPERATOR - PROCEEDING TO COMPLETE CURRENT INPUT VOLUME CHAIN

Explanation: This information message indicates that an operator command requested shut down of the CTTSBD utility.

The utility finishes processing the current volume chain and then shuts down.

Corrective Action: No action is required.

CTTB15E CANNOT EXECUTE WITH MODE=NORMAL WHEN CONTROL-M/TAPE IS NOT ACTIVE

Explanation: An attempt to run the CTTSBD utility in NORMAL mode when Control-M/Tape was not active failed. The CTTSBD utility can run in NORMAL mode only when Control-M/Tape is active. If Control-M/Tape is not active, the utility can only be run in SIMULATION mode.

The CTTSBD utility is not run.

Corrective Action: Either run the utility in SIMULATION mode, or activate Control-M/Tape before attempting to rerun the CTTSBD utility.

CTTB16E VOLUME volser: MDB VOLUME|DATASET RECORD(S) NOT FOUND. CHAIN PROCESSING STOPPED

Explanation: The CTTSBD utility was unable to locate volume and/or data set records for the specified volser. This volume cannot be processed by the CTTSBD utility.

The CTTSBD utility stops processing the current volume chain and continues with the first data set in the next volume chain.

Corrective Action: No action is required.
CTTB19W CHAIN STOPPED: VOL=volser DSN=dsName REASON=rsn

Explanation: The CTTSBD utility was unable to process the specified input data set. The possible values for rsn and the appropriate action to take for each are listed in the User Response section of this message.

The CTTSBD utility stops processing the current volume chain and continues with the first data set in the next volume chain.

Corrective Action: The action to be taken depends on the reason specified in the message, as follows:

<table>
<thead>
<tr>
<th>REASON rsn and Explanation</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FAILURE IN DATASET PROCESSING</strong></td>
<td></td>
</tr>
<tr>
<td>The utility was unable to copy the specified data set.</td>
<td></td>
</tr>
<tr>
<td><strong>VOLUME RECORD CHANGED</strong></td>
<td>To stack the data sets on this input volume chain, rerun the utility. Ensure that the volume or volume record is not accessed by another application during the execution of the CTTSBD utility.</td>
</tr>
<tr>
<td>The Media Database record for the first volume of an input volume chain was modified between the time it was selected and the time the first data set residing on this chain was copied.</td>
<td></td>
</tr>
<tr>
<td><strong>CYCLE RETENTION</strong></td>
<td>The specified data set cannot be processed by the CTTSBD utility. If necessary, copy this data set using other means.</td>
</tr>
<tr>
<td>The specified data set has a CYCLE retention type. To minimize interference with retention of other data sets, the CTTSBD utility does not process data sets with CYCLE type retention.</td>
<td></td>
</tr>
<tr>
<td><strong>INVALID DATA IN MDB</strong></td>
<td>Correct the records in error through the Control-M/Tape Inquire/Update screen (TI) or the CTTMUP utility. After the Media Database records have been corrected, rerun the CTTSBD utility on the abandoned volume chain.</td>
</tr>
<tr>
<td>The CTTSBD utility encountered invalid information in Media Database records for the specified volume and/or data set. (This type of problem is most often a result of conversion from another tape management system.)</td>
<td></td>
</tr>
</tbody>
</table>
CTTB20E UNABLE TO ALLOCATE D=dsname V=volser U=unitName DD=ddName RC=rc RSN=rsn

Explanation: The CTTSBD utility could not dynamically allocate the specified data set. This error may be due to a mismatch between the selected volume and the unit names specified by the INUNIT and OUTUNIT CTTSBD parameters, or to the unavailability of drives of the requested type.

See the appropriate IBM manual containing reason codes for dynamic allocation (SVC 99).

The CTTSBD utility stops processing the current volume chain and continues with the first data set in the next volume chain.

Corrective Action: Either modify the values for the INUNIT and OUTUNIT parameters, or ensure that more drives are available during the subsequent runs of the CTTSBD utility.

CTTB21I UNABLE TO COMPLETE RECOVERY, PROCESSING STOPPED

Explanation: This information message indicates that automatic recovery attempted by the CTTSBD utility abended. During automatic recovery, the CTTSBD utility attempts to recatalog the last data set that was uncataloged. This cataloging operation failed.

This message is preceded by message CTTB29E, which contains the name of the data set that could not be cataloged.

The CTTSBD utility stops execution.

Corrective Action: Recatalog the data set specified in message CTTB29E, and rerun the CTTSBD utility.

CTTB22E UTILITY {IEBGENER | ADRDSSU} ENDED WITH RC=rsn

Explanation: The specified IBM utility detected an error.

In this message, rsn is an IBM code that indicates the reason for the error.

The utility terminates.

Corrective Action: Consult IBM documentation for the specified utility to determine the reason for the IBM code rsn and the recommended action, if any.

CTTB23A REQUESTED {INPUT | OUTPUT} VOLUME=volser NOT AVAILABLE. PLEASE REPLY C(ANCEL) OR W(AIT)

Explanation: This information message indicates that the CTTSBD utility could not allocate an input or output volume that was already in use or not available. In this message volser is the volume serial number of the unavailable volume.

The utility waits for a reply.

Corrective Action: Enter C for Cancel or W for Wait, as follows:
CTTB25E NO INCLUDE STATEMENT FOUND ON SYSIN

Explanation: No INCLUDE statement was specified for the current run of the CTTSBD utility. At least one INCLUDE statement must be specified. The CTTSBD utility stops execution.

Corrective Action: Specify one or more INCLUDE statements for the CTTSBD utility and rerun the utility.

CTTB26E INVALID INFORMATION RECEIVED FROM CTTX011 = rc

Explanation: Control-M/Tape Exit 11 returned an invalid return code to the CTTSBD utility. Exit 11 is expected to return a 1-character code to the utility, which affects the choice of output volume for the current data set. The code returned for the current data set is not recognized by the utility. The utility stops execution.

Corrective Action: Check and correct the source code in Exit 11 and rerun the CTTSBD utility.

CTTB27E CHAIN PROCESSING STOPPED. OUT DSN EXCEEDS 44 CHARSD=dsn

Explanation: The specified output data set has a name that is more than 44 characters in length. A prefix and/or a suffix can be specified for output data set name by means of the OUTPREF and OUTSUFF parameters of the CTTSBD utility. When the prefix and or the suffix was added to the name of the specified data set, the new data set name exceeded the 44-character limit.

In this message, dsn is the output data set name that exceeds the 44-character limit.

The CTTSBD utility stops processing the current volume chain and continues with the first data set in the next selected volume chain.

Corrective Action: Change the settings for the OUTPREF or OUTSUFF parameters and rerun the CTTSBD utility to stack data sets on the volume chain that was abandoned due to this error.

CTTB28E UNABLE TO UNCATALOG DATASET DSNAME=dsn

Explanation: The CTTSBD utility was unable to uncatalog the specified input data set. The CTTSBD utility must uncatalog the input data set before cataloging an output data set with the same name. Common causes of this error include

- insufficient authorization for the user who ran the utility
- an I/O error

The CTTSBD utility stops processing the current volume chain and continues with the first data set in the next selected volume chain.

Corrective Action: Check the catalog entry for the problem data set, consider any related issues (for example, security), and if necessary correct the problem. It is also recommended that you search the console log for other messages that may be related to this problem.
CTTB29E UNABLE TO CATALOG DATASET DSNAME=dsn

**Explanation:** The CTTSBD utility was unable to catalog the specified output data set.

Common causes of this error include
- insufficient authorization for the user who ran the utility
- an I/O error

The utility stops execution.

**Corrective Action:** Check the catalog entry for the problem data set and correct it if necessary. It is also recommended that you search the console log for other messages that may be related to this problem.

CTTB30A DEVICE FOR {INPUT | OUTPUT} VOLUME=volser NOT AVAILABLE, PLEASE REPLY C(ANCEL) OR W(AIT)

**Explanation:** The device required to access volume *volser* is not available. The CTTSBD utility must access the specified volume for input or output, as specified. However, no device is available on which to mount the specified volume.

The system waits for a response.

**Corrective Action:** Do one of the following:
- Enter C to cancel device allocation and to end the run of the CTTSBD utility.
- Enter W to make the utility wait three minutes before trying again to allocate the required device.

**Messages CTTC00 through CTTCxx**

This group includes messages for the Control-M/Tape product.

CTTC01E CURRENT TMS IS INVALID

**Explanation:** An invalid or unsupported tape management system name was specified in the Automated Conversion Step Entry panel, the first screen of the Control-M/Tape automated conversion steps. Automatic conversion is a series of steps, which converts tape management data from another system into Control-M/Tape data format. Valid tape management system names are: CA1, TLMS, RMM, EPIC and CATALOG.

The conversion program waits for a correction to the specified value.

**Corrective Action:** Specify a valid tape management system name and retry.

CTTC02E INVALID LEVEL. VALID LEVELS FOR CA1 ARE: 4.9, 5.0, 5.1 AND 5.2

**Explanation:** An invalid or unsupported level was specified for CA-1 in the automatic conversion screen. Valid level values for the CA-1 tape management system: 4.9, 5.0, 5.1, and 5.2.

The conversion program waits for a correction to the specified value.

**Corrective Action:** Specify a valid level for the CA-1 tape management system and retry.
CTTC03E INVALID LEVEL. VALID LEVELS FOR CA-TLMS ARE: 5.3 AND 5.4

Explanation: An invalid or unsupported level was specified for CA-TLMS in the automatic conversion screen. Valid values for the CA-TLMS tape management system: 5.3 and 5.4.
The conversion program waits for a correction to the specified value.
Corrective Action: Specify a valid level for the CA-TLMS tape management system and retry.

CTTC04E INVALID LEVEL. VALID LEVELS FOR EPIC ARE: 3.1, 3.2 AND 3.3

Explanation: An invalid or unsupported level was specified for CA-EPIC/MVS in the automatic conversion screen. Valid values for the CA-EPIC/MVS tape management system: 3.1, 3.2, and 3.3.
The conversion program waits for a correction to the specified value.
Corrective Action: Specify a valid level for the CA-EPIC/MVS tape management system and retry.

CTTC05E LIBRARY/DATASET NOT FOUND

Explanation: A library or data set name that is not found in the MVS CATALOG was specified. The library or the data set name is either misspelled or not cataloged.
The conversion program waits for a correction to the specified data set or library name.
Corrective Action: Specify the cataloged library or data set name correctly and retry.

CTTC06E MEMBER NOT FOUND

Explanation: The member name specified cannot be found in the specified library. The library name or the member name, or both, are incorrect.
The conversion program waits for a correction to the specified library or member name.
Corrective Action: Correct the library name and the member name, and retry.

CTTC07E UNDEFINED OPTION CODE

Explanation: An option that is not supported in the current screen of the Control-M/Tape automatic conversion program was specified. The current screen lists the valid options.
The conversion program waits for specification of a valid option.
Corrective Action: Specify a valid option and retry.

CTTC08E AT LEAST ONE VOLUME RANGE MUST BE DEFINED

Explanation: There was an attempt to delete the last remaining range in the volume range table. The volume range table lists ranges of volumes that should be handled during conversion of tape management data to Control-M/Tape format. At least one volume range must be defined.
The volume range is not deleted.
Corrective Action: Define the correct volume range and then delete the existing volume range.
CTTC09E FROM VOLUME CANNOT BE HIGHER THAN TO VOLUME

**Explanation:** The current volume range definition contains a FROM value that is higher than its TO value. The TO volser (volume serial number) must not be less than the FROM volser.

The conversion program waits for a correction to the invalid range specification.

**Corrective Action:** Specify a valid volume range and retry.

CTTC10E REPORT CANNOT BE PROCESSED. MAKE SURE IT WAS SUCCESSFULLY PRODUCED

**Explanation:** The report that was produced as input to the automated conversion cannot be processed, because it was either empty or in an invalid format. To convert from a different tape management system to Control-M/Tape, a report is produced in the previous tape management environment. After the user confirms that it was successfully produced, the report is used as input to the conversion program.

The conversion program waits for the user to confirm that a report is successfully produced.

**Corrective Action:** Either produce a new report or wait for the report job to complete and confirm that it was successfully produced.

CTTCBR0 ACCDB FUNC: `func` FOR VOL: `volser` FAILED. RC=`rc`

**Explanation:** The high level API of Control-M/Tape (macro CTTACCDB) failed to perform function `func` for volume `volser`. The return code is `rc`.

The specified volume is not processed.

**Corrective Action:** See the CTTACCDB macro in the Control-M/Tape chapter of the INCONTROL for z/OS Administrator Guide for more information.

CTTCBR0 LAST IOS FUNC: `func`, IOS RC=`rc`, IOS RSN=`rsn`

**Explanation:** The specified function for the MDB failed. This message follows message CTTCBR01, if the problem is in an operation that modifies the MDB.

The variables in this message are:
- `func` - the function that failed
- `rc` - the return code of the error
- `rsn` - the reason code of the error

**Corrective Action:** Refer to the CTT200S message for a description of the return code (rc) and reason code (rsn).

CTTCBR0 VOLUME: `volser` NOT FOUND IN MDB. VOL IS MARKED PRIVATE

**Explanation:** This message is issued by exit CBRUXENT when a volume that is not known to Control-M/Tape enters the automated tape library. The volume serial number of the unknown volume is `volser`.

Processing continues. The volume is marked PRIVATE in the robotic library database.

**Corrective Action:** No action is required.
CTTCBR0 VOLUME: volser NOT FOUND IN MDB. UPDATE NOT PERFORMED

**Explanation:** This message is issued by exit CBRUXEJC when a volume that is not known to Control-M/Tape is ejected from the robotic library. The volume serial number of the unknown volume is volser.

Processing continues. The MDB is not updated.

**Corrective Action:** No action is required.

CTTCBR0 VOLUME: volser NOT FOUND IN MDB. CHANGE IS ALLOWED

**Explanation:** This message is issued by Exit CBRUXCUA when an attempt is made to change the status of a volume that is not known to Control-M/Tape. The volume serial number of the unknown volume is volser.

Processing continues. The status of the volume is changed in the robotic library.

**Corrective Action:** No action is required.

CTTCBR0 VOLUME: volser STATUS CHANGE DENIED BY CONTROL-M/TAPE EXIT

**Explanation:** This message is issued by Exit CBRUXCUA when an attempt is made to change the status of a volume and the new status contradicts with the status in the Control-M/Tape MDB.

The status of the volume is not changed.

**Corrective Action:** Check the volume status in the MDB. If appropriate, change the volume status in the MDB using the Control-M/Tape interface. The robotic library will be automatically notified of the change.

CTTCBR0 LINK OF EXIT exitName SUCCESSFUL

**Explanation:** A Control-M/Tape exit successfully linked a similar exit of another tape management system that runs parallel to Control-M/Tape.

**Corrective Action:** No action is required.

CTTCBR0 LINK OF EXIT exitName FAILED

**Explanation:** A Control-M/Tape exit failed to link a similar exit of another tape management system (TMS) that runs parallel to Control-M/Tape. When Control-M/Tape runs in TEST mode parallel to another TMS, Control-M/Tape interface exits attempt to pass control to similar exits of the other TMS.

**Corrective Action:** Verify that the STEPLIB or LINKLIST library of the job contains the specified exit. If the exit is in one of these libraries, refer to the messages guide for that exit.

CTTCBR0 VOLUME: volser NOT FOUND IN MDB. CANNOT LOCATE IT. PLEASE RESPOND TO CTTCBR12 MESSAGE

**Explanation:** This message is issued by exit CBRUXVNL when a mount message is issued for a volume that is not in the robotic library and is also unknown to Control-M/Tape.

Waits for one of the replies listed in message CTTCBR12.

**Corrective Action:** Reply to message CTTCBR12.
CTTCBR1 VOLUME: volser NOT IN LIBRARY. LOCATION: loc PLEASE RESPOND TO CTTCBR12 MESSAGE

Explanation: This message is issued by exit CBRUXVNL when a mount message is issued for a volume which is not in the robotic library. The message specifies the location of the volume as recorded in the Control-M/Tape database.

Waits for one of the replies listed in message CTTCBR12.

Corrective Action: Reply to message CTTCBR12.

CTTCBR1 VOLUME: volser NOT IN LIBRARY ALTHOUGH MARKED AS IN LIBRARY: lib. PLEASE RESPOND TO CTTCBR12 MESSAGE

Explanation: This message is issued by exit CBRUXVNL when a mount message is issued for a volume that should be in the robotic library based on data recorded in the Control-M/Tape MDB, but actually is not in the robotic library.

Waits for one of the replies listed in message CTTCBR12.

Corrective Action: Reply to message CTTCBR12.

CTTCBR1 VOLUME: volser. REPLY R-RETRY, I-IGNORE, C-CANCEL

Explanation: This message is issued by exit CBRUXVNL when a mount message is issued for a volume that is not in the robotic library. This message follows message CTTCBR09, CTTCBT10, or CTTCBR11.

Waits for user reply.

Corrective Action: Reply with one of the following options:
- R -- The volume was manually inserted in the robotic library. The system will again to find the volume in the robotic library.
- I -- The system will issue the mount message on a unit other than the robotic library.
- C -- The system will cancel the mount volume request and the job will abend.

CTTCBR1 VOLUME: volser NOT FOUND IN MDB. VOLUME IS IGNORED

Explanation: This message is issued by exit CBRUXENT when volume volser, which is unknown to Control-M/Tape, is inserted in the robotic library.

The volume status in the robotic library is not initialized by the exit.

Corrective Action: No action is required.

CTTCBR1 VOLUME: volser IS CURRENTLY IN EJECT PROCESS. PLEASE RESPOND TO CTTCBR12 MESSAGE

Explanation: This message is issued by exit CBRUXVNL when a mount message is issued for a volume that is currently in eject process from the automated tape library.

Waits for one of the replies listed in message CTTCBR12.

Corrective Action: Reply to message CTTCBR12.
Messages CTTE00 through CTTExx

This group includes messages for the Control-M/Tape product.

CTTE15S  INSUFFICIENT STORAGE. INCREASE SIZE

**Explanation:** Insufficient memory to perform the task.

**Corrective Action:** For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter, or exit one of the screens using an END command.

CTTE29S  UNABLE TO LOAD MODULE *modName*

**Explanation:** Loading of the *modName* module failed. Possible causes are:

- The IOA Load library is not in the load modules search list.
- There is insufficient storage available to load the module.
- The *modName* module does not exist in the IOA Load library.
- The IOA Load library was updated while you were working and the position of the *modName* module has changed.

The function requested is terminated.

**Corrective Action:** Look on the system log for additional messages that clarify the problem. Suggested actions:

- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed due to lack of storage then for batch jobs, increase the REGION size, and for TSO, try to log on again using a larger SIZE parameter. If you are using many IOA screens concurrently, try to exit a few using the END command. This can release storage that is used by the screens.
- Add the *modName* module to the Load library.
- If the IOA Load library was modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again. If the IOA Load library is in the Linklist, a refresh to the LLA is needed.

CTTEDM0  *volser* FUNC=func RC=rc RSN=rsn URC=ursn FROM CTTAPI

**Explanation:** The Control-M/Tape interface to the EDM software used CTTAPI to scratch the *volser* in the Media Database, but CTTAPI ended with an error.

The specified volume is not expired.

**Corrective Action:** Refer to message CTT203E to understand the explanation for the return codes from CTTAPI.

Check the specified volume status in the Media Database, and if required, expire it online or by means of the CTTMUP utility.
CTTEDM0 {ATTACH | LINK} OF EXIT exitName SUCCESSFUL

Explanation: This information message indicates that the exitName exit was successfully activated. The Control-M/Tape interface to EDM software can call another exit after completion of the expiration process, probably an interface to another tape management system or a second Control-M/Tape version.

Corrective Action: No action is required.

CTTEDM0 {ATTACH | LINK} OF EXIT exitName FAILED

Explanation: Activation of the exitName exit failed. The Control-M/Tape interface to EDM software can call another exit after completion of the expiration process, probably an interface to another tape management system or a second Control-M/Tape version.

The specified exitName exit is not activated.

Corrective Action: When running two Control-M/Tape versions, verify that the exitName exit exists in the load library that is referenced by the parallel DD as described in Appendix D of the IOA Upgrade Guide. When not running two Control-M/Tape versions, verify that the STEPLIB or LINKLIST libraries contain the specified exitName exit. In addition, look for additional MVS errors messages in the job.

CTTEDM0 OPTION opt NOT SUPPORTED

Explanation: CA-Disk exit TMSCTLEX received an unrecognized option.

The Control-M/Tape interface to CA-Disk supports only the Volume Expire option, supplied as option number 1, of this exit. CA-Disk supplies a different option.

No operation is performed. The volume is not expired.

Corrective Action: No action is required.

Messages CTTF00 through CTTFx

This group includes messages for the Control-M/Tape product.

CTTF40I UTILITY CTTDBIB STARTED

Explanation: Normal start message of the Index file rebuilding the CTTDBIB utility.

Corrective Action: No action is required.

CTTF41E ERROR err AT LINE line. CURRENT STATEMENT: stmt

Explanation: The CTTDBIB utility failed during reading of the indicated input statement, from the data set pointed to by DD statement SYSIN.

The utility stops executing with a condition code of 08.

Corrective Action: Notify your INCONTROL administrator.

CTTF42I PROGRAM ENDED: num KEYS BUILT

Explanation: Normal termination message of the Index file rebuilding the CTTDBIB utility.

Corrective Action: No action is required.
CTTF43S ERROR OPENING SYSPRINT

Explanation: The CTTDBIB utility failed to open the print file pointed to by DD statement SYSPRINT. Possible causes are:

- DD statement SYSPRINT is missing.
- The data set pointed to by DD statement SYSPRINT cannot be accessed for sequential write.

The utility stops executing with a condition code of 08.

Corrective Action: Correct the JCL and rerun the job.

CTTF44E NO INPUT PARAMETERS. PROGRAM STOPPED

Explanation: The input file for the CTTDBIB utility is empty (DD statement SYSIN). The utility stops executing with a condition code of 04.

Corrective Action: Fill in the input statements and rerun the job.

CTTF45S INTERNAL ERROR WHILE PROCESSING DDNAME ddName

Explanation: The CTTDBIB utility failed during processing of the data set pointed to by the specified DD name. This message is followed by message CTTF47S, which contains additional details about the error. The utility stops executing with a non-zero condition code.

Corrective Action: Contact your INCONTROL administrator with the details displayed in this and the following message.

CTTF46S RETURN CODE rc FROM routineName ROUTINE, FUNCTION func

Explanation: The CTTDBIB utility failed while processing the data set pointed to by the DD name indicated in message CTTF46S, which precedes this message. The utility stops executing with the indicated return code.

Corrective Action: Notify your INCONTROL administrator.

CTTF47S INSUFFICIENT STORAGE TO RUN UTILITY CTTDBIB

Explanation: The CTTDBIB utility requires more storage to rebuild an Index file. The utility stops executing with a condition code of 12.

Corrective Action: Increase the REGION size and rerun the job.

CTTF48E INVALID BUILD KEY PARAMETER

Explanation: Invalid build key instructions were specified. Build key instructions are specified by means of the SYSIN DD statement. The key length parameter does not match the total length of the key fields. The utility stops processing.

Corrective Action: Notify your INCONTROL administrator.
INCONTROL for z/OS Messages Manual

CTTF90S OPEN OF DDCARD *ddName* FAILED

**Explanation:** Open for the specified DD name pointing to the password member failed.

Possible causes are:

- The DD statement is missing.
- The file allocated to the DD statement is not a sequential file nor a member in a PDS.

Authorization to access the product is denied.

**Corrective Action:** Correct the JCL statement for the procedure or the allocations for the CLIST.

CTTF91S PASSWORD MEMBER TOO LARGE (DD *ddName*)

**Explanation:** The password member (or sequential data set) has too many lines.

The DD statement points to the password member.

Authorization to access the product is denied.

**Corrective Action:** Remove unnecessary lines from the member.

CTTF92S SYNTAX ERROR IN PASSWORD MEMBER (DD *ddName*)

**Explanation:** A syntax error was found in the password member. When this message is issued by the monitor, it is generally followed by message CTTF9DS, which describes the erroneous line in the member.

In this message, *ddName* is the identity of the DD statement that points to the password member.

Authorization to access the product is denied.

**Corrective Action:** Correct the text in the password member.

CTTF93S VALUE ERROR IN PASSWORD MEMBER (DD *ddName*)

**Explanation:** A field in the password member contains invalid data. When this message is issued by the monitor, it is generally followed by message CTTF9DS, which describes the erroneous line in the member.

The *ddName* DD statement points to the password member.

Authorization to access the product is denied.

**Corrective Action:** Correct the text in the password member.

CTTF94S PASSWORD INVALID, PLEASE RECHECK PASSWORD MEMBER (DD *ddName*)

**Explanation:** Data in the password member was not consistent with the specified password.

The DD statement points to the password member.

Authorization to access the product is denied.

**Corrective Action:** Check the contents of the password member against the text received from BMC Software Customer Support. If it checks, contact the representative.
CTTF95S PASSWORD FOR CONTROL-T IS ABOUT TO EXPIRE IN num DAYS

**Explanation:** Highlighted, unrollable message.

Password expiration period is about to end.

An expiration date is specified in the password member for the product.

**Corrective Action:** Contact BMC Software Customer Support for a new password.

CTTF96S PASSWORD FOR CONTROL-T HAS EXPIRED

**Explanation:** Highlighted, unrollable message.

Password expiration period has ended.

An expiration date is specified in the password member for the product.

Authorization to access the product is denied.

**Corrective Action:** Contact BMC Software Customer Support for a new password.

CTTF97S INTERNAL ERROR OCCURRED ON DD ddName. PLEASE NOTIFY THE IOA ADMINISTRATOR

**Explanation:** An internal error has occurred while analyzing the password member pointed to by the DD statement.

Authorization to access the product is denied.

**Corrective Action:** Notify the IOA administrator.

CTTF98S OBLIGATORY FIELD MISSING FROM PASSWORD MEMBER (DD ddName)

**Explanation:** An obligatory field is missing from a password member.

The DD statement points to the password member. The PROD, START, CPUID, PASS, and TYPE fields should appear at least once in a password member.

Authorization to access the product is denied.

**Corrective Action:** Check the contents of the password member against the text received from your INCONTROL administrator.

CTTF9AS PASSWORD FOR CONTROL-T NOT DEFINED IN MEMBER (DD ddName)

**Explanation:** The member pointed to by the DD statement does not contain the password for the appropriate product.

The DD statement should point to the password member.

Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this product.
CTTF9BS AUTHORIZATION PERIOD HAS NOT STARTED YET (DD ddName)

**Explanation:** The start date of the password has not yet arrived.

The DD statement points to the password member. The START field contains the starting date of the password.

Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this period.

CTTF9CS CPUID/MODEL NOT FOUND IN AUTHORIZED CPU LIST (DD ddName)

**Explanation:** The current CPU is not defined in the CPU list.

The DD statement points to the password member. Each entry in the CPU list in the password member contains the CPUID of the CPU and its model.

Authorization to access the product is denied.

**Corrective Action:** Check that the specified password member is the correct member for this CPU.

CTTF9DS CARD = text

**Explanation:** This message supplies additional information for a previous error message.

This message may appear after message CTTF92S or CTTF93S which indicates an error has occurred in one of the lines of the password member. Message CTTF9DS displays the erroneous line.

**Corrective Action:** See messages CTTF92S or CTTF93S.

CTTF9ES PASSWORD DDCARD ddName POINTS TO A NON EXISTING MEMBER (ABEND S013-18)

**Explanation:** The DD statement is allocated to a nonexisting member in a PDS file.

The DD statement should point to the password member.

Authorization to access the product is denied.

**Corrective Action:** Correct the name of the member in the DD statement or create a member with the specified name.

CTTF9FS PASSWORD FOR CONTROL-x EXPIRED, TEMPORARY AUTHORIZATION GRANTED

**Explanation:** The password for Control-x has expired. Nonetheless, Control-x can be run on the current date.

Despite password expiration, Control-x can be run on the 28th, 29th, 30th, 31st, 1st, 2nd, and 3rd days of each month for special purposes.

Control-x processing continues.

**Corrective Action:** Contact BMC Software Customer Support to obtain password renewal.
Messages CTTH00 through CTTHxx

This group includes messages for the Control-M/Tape product.

CTTHAC0 ACCDB FUNC: func FOR VOL: volser FAILED. RC= rc

Explanation: The high level API of Control-M/Tape (macro CTTACCDB) failed to perform function func for volume volser. The return code is rc.

The specified volume is not processed.

Corrective Action: For more information, see the CTTACCDB macro in the Control-M/Tape chapter of the INCONTROL for z/OS Administrator Guide.

CTTHAC0 LAST IOS FUNC: func, IOS RC=rc, IOS RSN=rsn

Explanation: The specified function for the MDB failed. This message follows message CTTHAC01, if the problem is in an operation that modifies the MDB.

The variables in this message are:
- func - the function that failed
- rc - the return code of the error
- rsn - the reason code of the error

Corrective Action: See the CTT200S message for a description of the return code (rc) and reason code (rsn).

CTTHSC0 ACCDB FUNC: func FOR VOL: volser FAILED. RC= rc

Explanation: The high level API of Control-M/Tape (macro CTTACCDB) failed to perform function func for volume volser. The return code is rc.

The specified volume is not processed.

Corrective Action: For more information, see the CTTACCDB macro in the Control-M/Tape chapter of the INCONTROL for z/OS Administrator Guide.

CTTHSC0 LAST IOS FUNC: func, IOS RC=rc, IOS RSN=rsn

Explanation: The specified function for the MDB failed. This message follows message CTTHSC01, if the problem is in an operation that modifies the MDB.

The variables in this message are:
- func - the function that failed
- rc - the return code of the error
- rsn - the reason code of the error

Corrective Action: See the CTT200S message for a description of the return code (rc) and reason code (rsn).
CTTHSC0 VOLUME: volser NOT FOUND IN MDB. UPDATE NOT PERFORMED

Explanation: This message is issued by exit SLSUX06 when the volume ejected from the robotic library is unknown to Control-M/Tape.
Processing continues. The MDB is not updated.
Corrective Action: No action is required.

CTTHSC0 LINK OF EXIT exitName SUCCESSFUL

Explanation: A Control-M/Tape exit successfully linked a similar exit of another tape management system that runs parallel to Control-M/Tape.
Corrective Action: No action is required.

CTTHSC0 LINK OF EXIT exitName FAILED

Explanation: A Control-M/Tape exit failed to link a similar exit of another tape management system (TMS) that runs parallel to Control-M/Tape. When Control-M/Tape runs in TEST mode parallel to another TMS, Control-M/Tape interface exits attempt to pass control to similar exits of the other TMS.
Corrective Action: Verify that the STEPLIB or LINKLIST library of the job contains the specified exit exitName. If the exit is in one of these libraries, refer to the messages guide for the exit.

Messages CTTI00 through CTTIxx

This group includes messages for the Control-M/Tape product.

CTTI00E RBA rba1, rba2: DUPLICATE {VOLUME | DATASET}

Explanation: The CTTIDB utility detected one of the following:
- data records with the same volser in two volumes
- data records with the same label number located on the same volume in two data sets
- data records with the same label number located on the same multi-volume group in two data sets
In this message, rba1 and rba2 are the RBAs of these two records. This message is followed by two CTT999I information messages, which give the details about these duplicate data records.
Corrective Action: Delete one of the duplicate records by using the RECDEL statement of the CTTMUP utility, and then rebuild the equivalent index entries using the GRPBIX statement of the CTTMUP utility.

CTTI01E RBA rba: DUPLICATE {MDB | STK} x-INDEX FOUND

Explanation: The CTTIDB utility found a duplicate key in the index component of the Media database (MDB) or the Stacking database (STK). The record type and rba are reported in this message.
Corrective Action: Rebuild the relevant index file using the CTTBIX utility for the Media database or the CTTDBIX utility for Stacking database.
CTTI02E RBA rba. CHAIN ERROR: err_desc

Explanation: The CTTIDB utility detected an error in a multi-volume group. Information message CTT999I, which describes the record in error, is issued after this message. Many of the errors described by this message refer to the following fields in the volume record that hold information used to link a multi-volume group:

- FIRSTVOL - the first volume of the multi-volume group
- PREVVOL - the previous volser in the multi-volume group
- NEXTVOL - the next volser in the multi-volume group
- VOLSEQ - the volume sequence number

The variables in this message are:

- rba - the RBA of a record of this multi-volume group
- err_desc - text describing the type of group error

Corrective Action: The following table lists and explains the possible texts for the err_desc variable. Perform the corrective action as indicated.

<table>
<thead>
<tr>
<th>Error Description and Explanation</th>
<th>Corrective Action</th>
</tr>
</thead>
</table>
| FIRST VOL IS NOT THE SAME IN ALL VOLS | 1. Determine whether the problem is the value of the FIRSTVOL field of this volume, or the NEXTVOL field of the previous volume in the chain.  
2. Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error.  
3. Correct the indexes of the group using the GRPBIX function of the CTTMUP utility. |
| VOLUME IN BROKEN GROUP | 4. Determine whether the volume belongs to a broken multi-volume chain.  
5. Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error.  
6. Correct the indexes of the group using the GRPBIX function of the CTTMUP utility. |
<p>| INVALID PREV/NEXT POINTER |</p>
<table>
<thead>
<tr>
<th>Error Description and Explanation</th>
<th>Corrective Action</th>
</tr>
</thead>
</table>
| The next or previous volume does not belong to this multi-volume group. The group is probably broken. | 7. Determine whether the problem is the value of the NEXTVOL or PREVVOL fields.  
8. Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error.  
9. Correct the indexes of the group using the GRPBI X function of the CTTMUP utility. |
| VOLUME OUT OF SEQUENCE | 10. Determine whether the problem is the value of the VOLSEQ field.  
11. Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error. |
| SCRATCH VOLUME IN THE ACTIVE CHAIN
ACTIVE VOLUME IN THE SCRATCH CHAIN | 12. Determine whether all volumes from the same multi-volume group have the same status.  
13. Use the SCRATCH or EXTEND functions of the TI screen to correct this problem or the VOLSCR function of the CTTMUP utility. |
| INVALID NEXT POINTER IN THE LAST VOLUME | 14. Determine whether this volume is really the last volume in the group.  
15. Use the VOLUPD function of the CTTMUP utility to reset the VOLNEXT field for the last volume record. |
| INVALID PREV POINTER IN THE FIRST VOLUME | 16. Determine whether this volume is really the first volume in the group.  
17. Use the VOLUPD function of the CTTMUP utility to reset the VOLPREV field for the first volume record. |
### Error Description and Explanation

#### SINGLE VOLUME WITH WRONG SEQUENCE NUMBER

The sequence number of a single volume (not multi-volume) should be equal to one.

<table>
<thead>
<tr>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>18. Determine whether this volume is really single volume and does not belong to any multi-volume group.</td>
</tr>
<tr>
<td>19. Use the VOLUPD function of the CTTMUP utility to set the VOLSEQ field for this volume to 1.</td>
</tr>
</tbody>
</table>

#### INVALID VOLFIRST FOR 1ST VOLUME IN GROUP

The first volume field (VOLFIRST) of the volume record that is the first of a multi-volume group (according to the VOLSEQ field) must be equal to the value of the VOLSER field.

<table>
<thead>
<tr>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>20. Determine whether this volume is the first volume of the multi-volume group, or a single volume.</td>
</tr>
<tr>
<td>21. Use the VOLUPD function of the CTTMUP utility to set the VOLFIRST field to the VOLSER value.</td>
</tr>
</tbody>
</table>

#### DATASET OUT OF SEQUENCE

The label number of a data set is out of sequence with the other labels of its multi-volume group.

<table>
<thead>
<tr>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>22. Determine whether the problem is that the dataset record is redundant.</td>
</tr>
<tr>
<td>23. Use the RECDEL function of the CTTMUP utility to delete the redundant dataset record.</td>
</tr>
</tbody>
</table>

---

**CTTI03E RBA rba: UNIDENTIFIED {MDB | STK} {DATA | INDEX} RECORD**  
**TYPE=x**

**Explanation:** The CTTIDB utility detected a data record or index entry with an invalid type.

**Corrective Action:** For an invalid type of data record, use the CTTMUP utility to delete the record. For an invalid type of index entry, you need to rebuild the entire index file.

---

**CTTI04E RBA rba: VOLUME volser OF THIS DATASET RECORD IS NOT FOUND**

**Explanation:** The CTTIDB utility detected a volume specified in a dataset record (the DSVOLSER field) but the corresponding volume data record was not found. In this message, `rba` is the RBA of the dataset record whose volume was not found. Information message CTT999I, which describes the record in error, accompanies this message.

**Corrective Action:** See message CTT999I for the volser of the volume in error. Use the VOLADD function of the CTTMUP utility to add the missing volume record, or the RECDEL function to delete the redundant dataset record. The user also may decide to correct the volume name in the dataset record.
CTTI05E RBA rba. {VOL-CONT | L-INDEX} [NOT] {EXPECTED | FOUND} BUT [NOT] {FOUND | EXPECTED}

**Explanation:** The CTTIDB utility either detected an unexpected volume continuation record (T type) or L-index, or did not find one that was expected.

Volume continuation records are expected for single volumes or for the first volume of a multi-volume group that has more than three vaults in its vault pattern. Volume continuation records are not expected for single volumes with up to three vaults in their vault pattern, or for a chained volume that is not the first volume in its multi-volume group.

The L-index is expected for each dataset record and volume combination. For example, if a dataset spans on two volumes, then it will have two L-indexes, one for each volume.

In this message, rba is the RBA of volume record, volume continuation record, or dataset record according to the error detected. Information message CTT999I, which describes the record in error, accompanies this message.

**Corrective Action:** For an unexpected or expected L-index, use the GRPBI5 function of the CTTMUP utility. If the error is not corrected, then rebuild the index file using the CTTBIX utility. For volume continuation record, determine the cause of the problem and correct it by deleting the unexpected volume continuation record, or update the number of vault entries in the VLTENTNM field in the volume record.

---

CTTI06E VOLUME volser IN USE FOR num DAYS

**Explanation:** The CTTIDB utility detected a volume record that is marked as being in use for num days. If a volume record is marked IN-USE for several days, it usually indicates a problem such as a system crash or a job abend.

**Corrective Action:** Check the USEDAYS parameter of the CTTIDB utility, and adjust it if necessary. Use the VOLUPD function of the CTTMUP utility to reset the IN-USE indicator from the volume record.

---

CTTI07E RBA rba. ACTIVE VOLUME WITH NO [ACTIVE] DATASETS

**Explanation:** The CTTIDB utility detected an active volume with no data set records or with no active data set records. In this message, rba is the RBA of the volume record. Information message CTT999I, which describes the volume record, follows this message.

**Corrective Action:** Request information on the volume by using the TI screen.

- For a single volume: If its status should be SCRATCH, change it using the VOLSCR function of the CTTMUP utility. Otherwise, you can add new active dataset record using the DSNADD function of the CTTMUP utility, or activate one of the existing dataset records using DSNEXT function of CTTMUP utility.
- For a volume that is part of a multi-volume group: Use the GRPBI5 function of the CTTMUP utility to rebuild the indexes for the multi-volume group. If the error is not fixed, you will probably need to update the VOLSNUM field of a dataset record that is part of the multi-volume group.

---

CTTI08E RBA rba. DSN IS ACTIVE, BUT VOLUME volser IS SCRATCH

**Explanation:** The CTTIDB utility detected a SCRATCH volume with an ACTIVE data set. In this message, rba is the RBA of the data set record. A SCRATCH volume cannot contain ACTIVE data sets. Information message CTT999I, which describes the dataset record in error, accompanies this message.
Corrective Action: Determine if the data set and the volume should be SCRATCH or ACTIVE. Then depending on the results, do one of the following:

- Change the volume status (VOLSTAT) to ACTIVE using the VOLUPD function of the CTTMUP utility.
- Scratch the volume using the VOLSCR function of the CTTMUP utility.

CTT109E RBA rba. VOLUME IS {NEITHER | BOTH} ACTIVE {NOR | AND} SCRATCH

Explanation: The CTTIDB utility detected a volume record that is either marked as both ACTIVE and SCRATCH, or is marked as neither ACTIVE nor SCRATCH. The volume must be either ACTIVE or SCRATCH, not both. In this message, rba is the record RBA of the volume record. Information message CTT999I, which describes the bad volume record, accompanies this message.

Corrective Action: Determine whether this volume should be ACTIVE or SCRATCH. Then, depending on the results, use the VOLUPD function of the CTTMUP utility to change the status (VOLSTAT) of the volume to either ACTIVE or SCRATCH.

CTT110E RBA rba. LBLNUM num1 DIFFERS FROM HIGHEST DSN LABEL FOUND num2

Explanation: The CTTIDB utility detected a volume record for which the LBLNUM field is not equal to the highest active label number on volume. Information message CTT999I, which describes the volume record in error, accompanies this message.

The variables in this message are:

- rba - the RBA of the volume record
- num1 - the current value of LBLNUM field from the volume record
- num2 - the label number of the highest active data set on the volume

Corrective Action: Use the VOLUPD function of the CTTMUP utility to update the LBLNUM field of the volume record to the correct value, which is num2, instead of num1. This error can also be corrected by means of the update function by using the TI screen.

CTT111E RBA rba. ACTIVEDS num1 DIFFERS FROM # OF DSN RECORDS FOUND num2

Explanation: The CTTIDB utility detected a logical error in a volume record. Information message CTT999I, which describes the error volume record, accompanies this message.

The variables in this message are:

- rba - the RBA of the volume record for which the error was detected
- num1 - the volume record field ACTIVEDS, containing the number of active data sets on the volume
- num2 - the number of active data set records that the utility detected on this volume

Corrective Action: Use the VOLUPD function of the CTTMUP utility to update the ACTIVEDS field of the volume record to the correct value, which is num2, instead of num1. This error can also be corrected by means of the update function by using the TI screen.
INCONTROL for z/OS Messages Manual

CTTI12E RBA rba. VOLSNUM num1 DIFFERS FROM # OF VOLUME RECORDS FOUND num2

Explanation: The CTTIDB utility detected a data set record in which the field value that holds the number of volumes that the data set resides on (VOLSNUM) is not correct. Information message CTT999I, which describes the dataset record in error, accompanies this message.

The variables in this message are:
- rba - the RBA of the data set record
- num1 - the current value of the VOLSNUM field from the data set record, holding the number of volumes occupied by the data set
- num2 - the number of volume records counted by the utility for the data set

Corrective Action: Use the DSNUPD function of the CTTMUP utility to update the VOLSNUM field of the dataset record to the correct value, which is num2, instead of num1. Then use the GRPBIX function of the CTTMUP utility to rebuild the corresponding index entries.

CTTI13E RBA rba. MISSING VAULT PATTERN INFORMATION

Explanation: The CTTIDB utility detected a vaulted volume record with missing vaulting information. A vaulted volume means that one of the following flags is set on the volume record: VAULTED, PVLT, PENDVLT. Missing vault information means that the number of vault entries field (VLTENTNM) is zero.

Corrective Action: Use the VOLUPD function of the CTTMUP utility to update all vaulting information fields in the volume records (VLTENTNM, VAULT, VLTEXTYP, and VLTEXPDT), or run the CTTVTM utility with RECALC mode and INCLUDE statement on the problematic volume only.

CTTI14E RBA rba. SPECIFIED # OF VAULTS num1 DIFFERS FROM VAULT COUNT num2

Explanation: The CTTIDB utility detected a volume record whose specified number of vaults (num1) does not equal its actual vault count (num2). A volume record contains a field that specifies the number of vaults in the vault pattern of the volume (VLTENTNM). Information message CTT999I, which describes the erroneous volume record, accompanies this message.

Corrective Action: Use the VOLUPD function of the CTTMUP utility to update the VLTENTNM field of the volume record to the correct value, which is num2, instead of num1.

CTTI15E RBA rba. VAULT INFO NOT EQUAL TO VAULT INFO OF FIRST VOLUME

Explanation: The CTTIDB utility detected a chained volume record with vaulting information different from vaulting information in the volume record of the first volume of the multi-volume group. Vaulting information in the chained volume record must be identical to the vaulting information for the first volume. The following vaulting information fields of the volume records are compared: VLTENTNM, VAULT, VLTENTDT, VLTEXTYP, and VLTEXPDT. In this message, rba is the RBA of the volume record of the chained volume in error. Information message CTT999I, which describes the erroneous volume record, accompanies this message.
Corrective Action: Use the VOLUPD function of the CTTMUP utility to update the VLTENTNM, VAULT, VLTENDDT, VLETEXTYP and VLTEXPDT fields of the volume record to have the same value as in the first volume in this multi-volume group. You can also run the CTTVTM utility with RECALC mode and INCLUDE statement on all volumes belonging to that multi-volume group.

CTTI16E VLTVEXP IS INCONSISTENT WITH VAULTING INFORMATION (vault_seq)

Explanation: The CTTIDB utility detected a volume data record with incorrect information in the VLTVEXP field. This field identifies the vaulting pattern sequence number that holds the expiration type, which is VOL EXPIRE. In this message, vault_seq is the information that should be in the VLTVEXP field. Information message CTT999I, which describes the erroneous volume record and the current value of the VLTVEXP field, accompanies this message.

Corrective Action: Use the VOLUPD function of the CTTMUP utility to update the VLTVEXP field of the volume record to the correct value, which is vault_seq.

CTTI17E RBA rba: {MDB | STK} KEY NOT FOUND. RECTYPE: rec_typ, MISSING KEY: key_typ

Explanation: The CTTIDB utility detected a data record for which there is no index record (key). Information message CTT999I, which describes the record in error, accompanies this message.

The variables in this message are:
- rba - the RBA of the data record
- rec_typ - the data record type
- key_typ - the type of the missing index

Corrective Action: If the missing index is a V-type index, use the VOLBIX function of the CTTMUP utility to rebuild this index (key). If the missing index is a L or D-type index, use the GRPBIX function of the CTTMUP utility to rebuild all multi-volume group indexes. For others index types, or if you did not succeed in fixing the error with the CTTMUP utility, rebuild the entire index file using the CTTBIX utility for the Media database or the CTTDBID utility for the Stacking database.

CTTI18E RBA rba: {MDB | STK} KEY BUILT FROM DATA REC IS NOT EQUAL TO REAL INDEX KEY

Explanation: The CTTIDB utility detected a mismatch between a data record and index entry. The index (key) generated from the data record does not match the index pointing to this record. These two indexes should be the same. In this message, rba is the RBA of the data record. Information message CTT999I, which describes the record in error, accompanies this message.

Corrective Action: For V, D, and L index types use the GRPBIX function of the CTTMUP utility to rebuild all multi-volume group indexes. For others index types, or if you did not succeed in fixing the error with the CTTMUP utility, rebuild the entire index file using the CTTBIX utility for the Media database or the CTTDBID utility for the Stacking database.
CTTI19E RBA rba: {MDB | STK} INDEX POINTS TO NOT EXISTING OR FREE DATA RECORD

Explanation: The CTTIDB utility detected an index record that points to a free data record or to one that does not exist. In this message, rba is the RBA of the data record. Information message CTT999I, which describes the record in error, accompanies this message.

Corrective Action: Rebuild the entire index file using the CTTBIX utility for the Media database or the CTTDBID utility for the Stacking database.

CTTI20E RBA rba: WRONG OR REDUNDANT L-INDEX

Explanation: The CTTIDB utility detected an L-type index pointing to an inappropriate data set record. In this message, rba is the RBA of the data record. Information message CTT999I, which describes the record in error, accompanies this message.

Corrective Action: Use the GRPBIX function of the CTTMUP utility to rebuild all indexes of this multi-volume group. If the error is not fixed, rebuild the entire Media database index file using the CTTBIX utility.

CTTI21E RBA rba1: INVALID RBA (rba2) POINTER IN THE {MDB | STK} HI-LEVEL INDEX

Explanation: The CTTIDB utility detected an invalid pointer from the HI-level index record to an inappropriate LOW-level index record.

The variables in this message are:
- rba1 - the RBA of the HI-level index record
- rba2 - the invalid RBA pointer found in the HI-level index record

Corrective Action: Rebuild the entire index file using the CTTBIX utility for the Media database or the CTTDBID utility for the Stacking database.

CTTI22E RBA rba1: HI-LEVEL {MDB | STK} INDEX POINTER rba2 HAS NO TARGET

Explanation: The CTTIDB utility detected an HI-level index record, which has no target LOW-level index record.

The variables in this message are:
- rba1 - the RBA of the problematic HI-level index record
- rba2 - the invalid RBA pointer from the HI-level index record

Corrective Action: Rebuild the entire index file using the CTTBIX utility for the Media database or the CTTDBID utility for the Stacking database.
CTTI23E RBA rba: {MDB | STK} LOW LEVEL INDEX IS NOT A TARGET OF ANY HI-LEVEL INDEX

**Explanation:** The CTTIDB utility detected a LOW-level index record, which is not a target of any HI-level index record. In this message, rba is the RBA of the problematic LOW-level index record.

**Corrective Action:** Rebuild the entire index file using the CTTBIX utility for the Media database or the CTTDBID utility for the Stacking database.

CTTI24E RBA rba: DIFFERENT SL-NAME slName FOUND FOR SCRATCH VOLUME volser

**Explanation:** The CTTIDB utility detected a scratch volume record with different values in the VOLSER and SLNAME fields.

The variables in this message are:
- rba - the RBA of the problematic volume record
- slName - the value of the SLNAME field
- volser - the value of the VOLSER field

**Corrective Action:** Delete the volume record from the media database using the CTTDLD utility, and then initialize the physical volume with a new unique volser using the CTTTPI utility. Make sure the new volser will be added to the Media database.

CTTI25E RBA rba: INVALID DATASET LABEL NUMBER EQUAL TO ZERO

**Explanation:** The CTTIDB utility detected a dataset record with the label number equal to zero. In this message, rba is the RBA of the problematic dataset record.

**Corrective Action:** Delete the invalid dataset record by using the RECDEL statement of CTTMUP utility.

CTTI26E RBA rba: INVALID {DATA | INDEX} RECORD STATUS z(X'xx') in {MDB | STK}

**Explanation:** The CTTIDB utility detected a record with invalid status. Valid status can be only A (active) or F (free).

The variables in this message are:
- z - incorrect status value
- rba - the RBA of the problematic record

**Corrective Action:** Manually update the record by entering either A or F as appropriate.

CTTI27E RBA rba: THE {MDB | STK} INDEX FILE IS CORRUPT

**Explanation:** The internal structure of the index file has been corrupted.

In this message, rba is the RBA of the problematic index record.

**Corrective Action:** Reformat the INDEX file and rebuild the index using the CTTBIX utility.
CTTI28E RBA rba1, rba2: SLOT IS OCCUPIED BY TWO VOLUMES: volser1, volser2

**Explanation:** The CTTIDB utility detected two different volumes, which occupy the same slot in the same vault.

In this message, rba1 and rba2 are RBAs of problematic volume records. This message is followed by message CTT999I, which contains information about the vault and the problematic slot number.

**Corrective Action:** Manually update one or both volume records by entering a correct slot number. Then run the CTIVTM utility in SLOTBLD mode.

CTTI29E RBA rba: VOLUME volser ASSIGNED TO NON-EXISTENT VAULT

**Explanation:** The CTTIDB utility detected the volumes, which are assigned to the vault, but the vault record does not exist.

In this message, rba is the RBA of the problematic volume record. This message is followed by message CTT999I, which contains information about the problematic vault record.

**Corrective Action:** Create the vault definition, using screen TV. Then run the CTIVTM utility in SLOTBLD mode.

CTTI30E RBA rba: VOLUME volser IS IN SLOT, BUT SLOT IS MARKED "VACANT"

**Explanation:** The CTTIDB utility detected the volume that occupied the slot, but the slot is marked as vacant.

In this message, rba is the RBA of the problematic volume record. This message is followed by message CTT999I, which contains information about the vault and the problematic slot number.

**Corrective Action:** Run the CTIVTM utility in SLOTBLD mode.

CTTI31E RBA rba: SLOT IS MARKED "OCCUPIED", BUT NO VOLUME IS ASSIGNED TO IT

**Explanation:** The CTTIDB utility detected the slot in the vault, which marked as "occupied", but there is no volume, assigned to it.

In this message, rba is the RBA of the problematic vault record. This message is followed by message CTT999I, which contains information about the vault and the problematic slot number.

**Corrective Action:** Run the CTIVTM utility in SLOTBLD mode.

CTTI32E RBA rba: RECVLNUM num1S INCONSISTENT WITH VAULTING INFORMATION

**Explanation:** The CTTIDB utility detected the volume, in which the value of the RECVLNUM field (number of the vaulting pattern "recalled from"), is inconsistent with the value of the VLTENTNM field (total number of vaulting patterns).

This message is followed by message CTT999I, which contains information about the problematic volume.

**Corrective Action:** Correct the problematic field using the CTMUP utility.
CTTI33I {TOTAL | NUMBER OF \textit{errmsg}} ERRORS FOUND: \textit{nn}

\textbf{Explanation:} This information message shows statistical information about the number of appropriated errors detected by CTTIDB utility or total number of errors.

In this message, \textit{errmsg} refers to the corresponding CTTIDB error message, such as CTTI00E or CTTI01E.

\textbf{Corrective Action:} No action is required.

CTTI34W NO VAULT RECORDS FOUND. ALL VAULTING ERROR MESSAGES BLOCKED.

\textbf{Explanation:} When attempting to cross-validate volume records and vault records, the CTTIDB utility found that no vault records exist in the MDB. No further vault-related error or warning messages are displayed.

\textbf{Corrective Action:} Run the CTTVTM utility in SLOTBLD mode to build vault records.

CTTI35E RBA \textit{rba}. VOLUME \textit{volser} CONTAINS INVALID SLOT NUMBER \textit{number}

\textbf{Explanation:} The CTTIDB utility detected an invalid volume record. The slot number in the volume record is not in the range of the slots defined in the vault record.

The variables in this message are:
- \textit{rba} - the RBA of the problematic volume record
- \textit{volser} - the volser of the problematic volume record
- \textit{number} - the problematic slot number in the volume record

\textbf{Corrective Action:} Run the CTTMUP utility to change the problematic slot number to the correct one.

CTTI36E RBA \textit{rba}. VOLUME \textit{volser} CONTAINS MUTUALLY EXCLUSIVE STATUS FLAGS \textit{flags}

\textbf{Explanation:} The CTTIDB utility detected status flags with mutually exclusive meanings. For example, the volume record status flags indicate that the volume is a SCRATCH volume and an ACTIVE volume.

The variables in this message are:
- \textit{rba} - the RBA of the problematic volume record
- \textit{volser} - the volser of the problematic volume record
- \textit{flags} - the volume record status flags (in hexadecimal format)

\textbf{Corrective Action:} Run the CTTMUP utility to change the problematic status flag to the correct one.

CTTI37E RBA \textit{rba}. DATASET OUT OF SEQUENCE

\textbf{Explanation:} The CTTIDB utility detected an incorrect data set sequence among the data set records. For example, the utility found the following data set sequence: DS1, DS3, and DS2 (the data sets are not in the proper sequence) or DS1 and DS3 (data set DS2 is missing).
In this message, \textit{rba} is the RBA of the first data set record out of sequence

\textbf{Corrective Action:} Run the CTTMUP utility to correct the incorrect data set sequence or to add the missing data set record.

\textbf{CTTI38E} RBA \textit{rba}: VOLUME \textit{volser}: INCORRECT DVLUSED VALUE \textit{value}

\textbf{Explanation:} A negative value of DVLUSED was received by Control-M/Tape from the device. (The DVLUSED parameter is required for stacking processing.)

The variables in this message are:
- \textit{rba} - the RBA of the problematic volume record
- \textit{volser} - the volser of the problematic volume record
- \textit{value} - the DVLUSED value

The utility CTTIDB continues to run. The error is automatically fixed when the problematic tape is returned to the scratch pool.

\textbf{Corrective Action:} If stacking is used, you can also resolve the error by running the CTTMUP utility. If stacking is not used, consider this message as an information message.

Messages \textbf{CTTS00} through \textbf{CTTSxx}

This group includes messages for the Control-M/Tape product.

\textbf{CTTS01W} THE CTVINTR=NONE SPECIFIED IN THE CTTPARM

\textbf{Explanation:} The CTVINTR parameter is set to NONE in the CTTPARM member. The CTTSYNC utility cannot perform synchronization with Control-V.

The CTTSYNC utility ends.

\textbf{Corrective Action:} Set the CTVINTR parameter to EDM or DSN in the CTTPARM member and rerun the CTTSYNC utility.

\textbf{CTTS02E} THE EDMID OF VOLUME \textit{volser} IS NOT EQUAL \textit{edmid}

\textbf{Explanation:} The volser is controlled by EDM, but the EDMID field in the Media database reflects an incorrect EDM type.

The variables in this message are:
- \textit{volser} - the volser of the problematic volume record
- \textit{edmid} - type of EDM controlled the volume

Normal processing continues.

\textbf{Corrective Action:} Use the CTTMUP utility to update the volume record in the Media database to its correct status.
CTTS03E DATASET  volser/label STATUS SHOULD BE  \{ACTIVE | PERM\} IN MEDIA DATABASE

**Explanation:** The dataset is controlled by Control-V, but its status is not active or its retention type is not permanent in the Media database.

Normal processing continues.

**Corrective Action:** Use the CTTMUP utility to update the dataset record in the Media database to its correct status.

CTTS04E THE CREPGM OF THE DATASET  volser/label IS NOT  "CTVMIG"

**Explanation:** The dataset is controlled by Control-V, but its create program (CREPGM) field is not equal to CTVMIG in the Media database.

Normal processing continues.

**Corrective Action:** Use the CTTMUP utility to update the dataset record in the Media database to its correct status.

CTTS05E CONFLICT BETWEEN DSNAMES  volser/label

**Explanation:** The dataset is controlled by Control-V, but the dataset name in the Media database is different from dataset name specified in Control-V Migrated User file.

Normal processing continues.

**Corrective Action:** Decide which is the correct dataset name and make necessary updates in the relevant database.

CTTS06E DATASET  volser/label IS NOT DEFINED IN MEDIA DATABASE

**Explanation:** The dataset is controlled by Control-V, but it is not defined in Control-M/Tape Media database.

Normal processing continues.

**Corrective Action:** Check why the dataset is not defined in the Media database. If the dataset should be defined in Control-M/Tape Media database, then use CTTMUP utility to add the dataset to the Media database.

CTTS07E DATASET  volser/label IS NOT CONTROLLED BY CONTROL-V

**Explanation:** The dataset is not controlled by Control-V, but it is marked in the Media database as ACTIVE, its retention type is PERMANENT and its create program (CREPGM) field is CTVMIG.

Normal processing continues.

**Corrective Action:** Verify that the dataset is really not controlled by Control-V, and scratch the dataset in the Media database using the CTTMUP utility.
CTV - CVI

This group includes messages for the Control-D, Control-M for z/OS and Control-V products.

CTV messages

This group includes messages for the Control-D includes: Control-D/Image Control-D/Page on Demand product.

Messages CTV500 through CTV5xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTV5F0E INVALID MEDIA = mediaName WAS SPECIFIED FOR FILE fileName

Explanation: The media name specified for the specified file to be deleted is invalid. The CTVCLMIG utility calls the CTVDEL program to delete specified files and the media on which they reside. Some of the input for CTVDEL was invalid.

The system skips the problematic file, and continues processing.

Corrective Action: Check the media name in IOASPRM, correct the problem, and try again.

CTV5F1E media DEVICE device SM-CMD-INTF FAILED. COMMAND cmd

Explanation: The SM-CMD-INTF command, which is used to delete FileTek files, failed for the specified media and device.

In this message, cmd is the command that caused the error.

The system skips the problematic file, and continues processing.

Corrective Action: Use FileTek interfaces to determine the cause of the failure, and the status of the file to be deleted. Fix the problem and try again.

CTV5F2E DELETE FAILED. fileName RC : rc


The system skips the problematic file, and continues processing.

Corrective Action: Check FileTek messages to determine the significance of the reason code. Then, use FileTek interfaces to determine the cause of the failure, and the status of the file to be deleted. Fix the problem and try again.
CTV5F3I DELETED *fileName*

**Explanation:** This information message indicates that the specified FileTek file was successfully deleted.

**Corrective Action:** No action is required.

CTV5F4E COLLECTION *collect-name* NOT DELETED FROM DB2 RC = rc

**Explanation:** The attempt to delete collection *collect-name* from a DB2 database failed.

**Corrective Action:** No action is required.

Messages CTV700 through CTV7xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTV700E "INDEX" MUST BE FILLED IN

**Explanation:** The index name was not specified in a decollating mission DO INDEX statement. Each index must be identified by a unique name which may later be used to access part of a report according to a specific index. A DO INDEX statement without a name is invalid.

**Corrective Action:** Specify an index name or mask.

CTV702E ONLY 3 INDEX LINES CAN BE SET TO R=Y

**Explanation:** An attempt was made to designate more than three indexes as disk-resident. A maximum of three indexes can be defined as disk-resident.

The index is not designated disk-resident. It will be deleted from DASD when the corresponding report is deleted, and will only be available on migrated media, if report is migrated.

**Corrective Action:** Redefine the Report Decollation Mission so that no more than three indexes are specified disk-resident.

CTV703E FROM/UNTIL COL ARE OBLIGATORY

**Explanation:** The FROM COL parameter or the UNTIL COL parameter (or both) of the index value or the value mask was not specified in the Decollation Mission DO INDEX statement.

**Corrective Action:** Specify FROM COL and UNTIL COL parameters to locate the index value. Either omit the value mask or specify FROM COL and UNTIL COL parameters to locate the mask.

CTV704E FIELD SHOULD BE BLANK WHEN " *fieldname* " IS BLANK

**Explanation:** Either

- The report line and column location of an index mask were specified without specifying the mask itself.
- The TYPE or STORED parameters of an index print mission were specified without specifying the print mission itself.

**Corrective Action:** Depending on the problem, either
Specify an index mask, or do not specify the mask location, for the index.
Specify an index print mission, or do not specify the TYPE and STORED subparameters.

CTV705E "MIGRATE" MUST BE FILLED IN
Explanation: The Migration Mission name was not specified in a DO MIGRATE statement.
Corrective Action: Specify a Migration Mission name or omit the DO MIGRATE statement.

CTV706E SUBINDEX LEVEL MUST BE IN THE RANGE OF 02-10
Explanation: There was an attempt to specify a subindex level below 02 or above 10. The LVL parameter indicates the hierarchical index level of the subindex. The default value is one level below the previously specified (sub)index. The specified value must be between 02 and 10.
The invalid value is not accepted and the cursor remains in the LVL field.
Corrective Action: Set a valid value for the LVL parameter, or blank out the Level field to activate the default value.

CTV707E NEXT SUBINDEX LEVEL MUST BE AT ANY EXISTING LEVEL OR THE NEXT ADJACENT LEVEL
Explanation: The value specified for the LVL parameter is not at the level of any existing subindex, and is more than one level of the previously specified index or subindex.
The LVL parameter indicates the hierarchical index level of the subindex. The default value is one below the previously specified level. The level of the subindex currently being specified must be either:
  - one below the previously specified index level
  - the same as a previously specified subindex level
The invalid value is not accepted and the cursor remains in the LVL field.
Corrective Action: Specify a subindex level that is one below the previously specified index level, or the same level as a previously specified subindex.

CTV708E FIELD SHOULD BE BLANK WHEN "SUBINDEX" IS BLANK
Explanation: A LINE, COL range or MASK was specified for a subindex whose name was not specified.
The LINE, COL range and MASK parameters cannot be specified for a subindex unless the subindex name has been specified.
The specified value is not accepted and the cursor remains in the LINE, CO or MASK field.
Corrective Action: Specify the name of the subindex name before specifying its LINE, CO range or MASK values, or blank out all fields for the subindex whose name is not specified.

CTV709E ONLY 9 SUBINDEXES ARE ALLOWED
Explanation: There was an attempt to define more than 9 subindexes for one main index. Each main index can have up to 9 subindexes.
Corrective Action: Blank out the extra subindex fields.
CTV70AE INVALID SUBINDEX DEFINITION IN THE BRANCH OF MULTI-VALUE INDEX

Explanation: A subindex that is defined in additional value branch of a multi-value index is absent in the base branch at the same level.

Corrective Action: Define a subindex according to the base branch of a multi-value index structure.

CTV70BE INVALID OPTION. TRY "M", "A", "T" OR BLANK

Explanation: An invalid option was specified in the M parameter of a DO INDEX statement.

Valid values are:
- M - creates a multi-value index from one range, according to a mask
- A - defines a multi-value index from additional ranges
- T - defines a multi-value index with separate subindex values
- Blank - defines a regular index

Corrective Action: Specify M, A, T, or blank.

CTV70CE INVALID OPTION. TRY "M", "A" OR BLANK

Explanation: An invalid option was specified in the M parameter of an AND statement.

Valid values are:
- M - creates a multi-value index from one range, according to a mask
- A - defines a multi-value index from additional ranges
- Blank - defines a regular index

Corrective Action: Specify M, A, or blank.

CTV70DE VALID OPTIONS IS "T" ONLY

Explanation: An invalid option was specified in the M parameter of an INDEX for an additional value branch of a multi-value index.

T is the only valid option.

Corrective Action: No action is required.

CTV70EE MASK SHOULD BE IN ASTERISKS.

Explanation: The MASK parameter is not enclosed in asterisks. MASK should be enclosed in asterisks if M=M is specified in the INDEX statement.

Corrective Action: Endose the MASK parameter in asterisks.

CTV70FE INDEX COL MUST BE RELATIVE (+/-)

Explanation: The INDEX COL is not relative. INDEX COL must be relative if M=M is specified in the INDEX statement.
Corrective Action: Define the relative INDEX COL parameter.

CTV70GE ONLY ONE "DO APPROV" STATEMENT PER "WHEN" STATEMENT MAY BE SPECIFIED

Explanation: An attempt was made to open a DO APPROV statement in a WHEN criteria statement that already contains a DO APPROV statement.

Corrective Action: Delete the second DO APPROV statement by clearing the DO field.

Messages CTVG00 through CTVGxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTVG31E THIS OPTION IS INVALID WHEN THE INDEX NAME IS BLANK

Explanation: A line command (option) was entered in an Index Window on a line that does not contain an index name. The Index Window displays a list of indexes whose values can be used to retrieve a report or section of a report. Options S (Select) and Q (Quick Index) can only be used to select an existing index.

Corrective Action: Use the S or Q line command to select a filled-in index name, or exit the Index Window using the PF04 or PF16 key.

CTVG32E NO INDEX EXISTS FOR THIS REPORT

Explanation: Option X to list a report indexes in the Index Window was specified in the Active Report List screen but the selected report has no index.

Corrective Action: Define one or more indexes with DO INDEX statements in the Report Decollation Mission if this report should be indexed.

CTVG33I ONLY NINE INDEXES MAY BE DISPLAYED

Explanation: This information message indicates that an attempt was made to display more than nine indexes. The screen on which indexes are displayed has room for nine indexes. Only the first nine indexes are displayed.

Corrective Action: Redefine the Report Decollation Mission to specify no more than nine indexes for this report.

CTVG34E ONLY "S", "Q" OR " " ARE ALLOWED IN THIS FIELD

Explanation: A character other than S, Q or blank was entered in an Index Window Option field. S selects an index and displays its Values of Index Panel. Q displays the Quick Access Panel for the specified index.

The specified character is ignored. The system waits for a valid option or command.

Corrective Action: Specify option S or Q, or press PF03 or PF04 to redisplay the Active User Report List.
CTVG36E NO VALUES IN INDEX

**Explanation:** The specified index has no values in the specified user report. An error probably occurred in:

- Specifying or dynamically retrieving a user name.
- Specifying an index.

**Corrective Action:** Check the Decollation Mission Definition for this report. Be sure the user-recipient and index are properly specified.

CTVG39E IF A VALUE STARTS WITH A QUOTE, IT MUST END WITH THE SAME TYPE OF QUOTE

**Explanation:** The VALUE field in the User Reports Entry Panel began with a single (') or double (") quote but did not end with the same type of quote.

The specified value is ignored.

**Corrective Action:** Specify a valid index value in the VALUE field or leave the field empty.

CTVG3AE DYNAMIC ALLOCATION OF INDEX FILE FAILED, REASON CODE=rsn

**Explanation:** Control-D or V failed to dynamically allocate an index file.

The index file is not allocated.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* for a description of the reason code received. If you cannot resolve the problem, record the rsn and contact BMC Software Customer Support.

CTVG3BE OPTION MUST BE BLANK OR ONE OF 1, 2 OR 3

**Explanation:** An invalid option was specified in the OPTION field of the User Reports Entry Panel.

The only valid options are:

- 1 - Display a Permanent Report List
- blank or 2 - Display an Active Report List
- 3 - Display a History Report List

**Corrective Action:** Specify a valid option.

CTVG3CE ONLY "Y", "N" OR "O" ARE ALLOWED IN THIS FIELD

**Explanation:** An invalid option was specified in the SHOW MIGRATED field of the User Reports Entry Panel.

The only valid options are:
Y - Display both active and migrated reports.
N - Display active reports only.
O - Display migrated reports only.

**Corrective Action:** Specify a valid option. Blank is not valid.

**CTVG3DE OPEN OF INDEX FILE FAILED**

**Explanation:** An index file could not be opened. It was probably deleted or uncataloged.

**Corrective Action:** Check the IOA Log file for a message indicating the report name and the name of the index file that could not be opened. Recreate the index which could not be opened by decollating the report again.

**CTVG3EI INDEX/VALUE NON-UNIQUE. VIEW FULL REPORT**

**Explanation:** This information message indicates that more than one index satisfies the specified index mask or more than one value satisfies the specified value prefix.

The entire report will be viewed or printed unless the User Action described below is taken.

**Corrective Action:** Use the Index Window to specify a unique index or use the Values of Index Panel to specify a unique value before viewing or printing the report.

**CTVG3FI INDEX VALUE NOT FOUND. VIEW FULL REPORT**

**Explanation:** This information message indicates that the specified value does not exist in the specified index.

The entire report is viewed or printed unless a unique existing value is specified before viewing or printing.

**Corrective Action:** Specify the desired index and value in the User Reports Entry Panel. Use the Index Window to determine if the desired index exists. Use the Values of Index Panel to determine if the desired value exists.

**CTVG40S "E" IS NOT SUPPORTED FOR MIGRATED REPORTS. USE VIEW AND PF4 TO EDIT RULER**

**Explanation:** Option E is not supported for migrated reports.

**Corrective Action:** Use option V to view the migrated report and PF04 to edit its ruler.

**CTVG41E THE DISPLAY TYPE CANNOT BE CHANGED WHEN BYPASS PANEL=Q**

**Explanation:** There was an attempt to change the Display Type by means of the DISPLAY command. However, while the BYPASS PANEL parameter is set to Q, only Display Type Q (Quick Access) is valid and no other Display Type is available.

Setting the BYPASS PANEL parameter in the User Reports Entry Panel to Q enables users to work directly with the Quick Access Panel. If more than one report matches selection criteria while the BYPASS PANEL parameter is set to Q, the matching reports are listed so users can specify which report to display in the Quick Access Panels. While this list is displayed, only Display Type Q and option Q are valid.

1380
**Corrective Action:** To change the Display Type, use the RETURN command to access the User Reports Entry Panel. Change the value of the BYPASS PANEL parameter to Y or N. Specify the desired Display Type in the DISPLAY TYPE parameter in the User Reports Entry Panel or, after pressing Enter to display the User Reports List, use the DISPLAY command.

**CTVG42E FROM DATE="LAST" TO DATE MUST BE BLANK**

**Explanation:** An invalid date parameter was specified in the User Report List Entry Panel. The TO DATE field must be blank when specifying FROM DATE=LAST.

**Corrective Action:** Correct the date parameter.

**CTVG43E DATE="LAST". USER MUST BE SPECIFIED**

**Explanation:** An invalid combination of values was specified in the User Report List Entry Panel. The USER field must not be blank when specifying FROM DATE=LAST.

**Corrective Action:** Specify a valid user name in the USER field or do not specify LAST in the FROM DATE field.

**CTVG44E THERE IS NO PREVIOUS INDEX**

**Explanation:** The PREV command was entered, or the PF10 or PF22 key was pressed in the Quick Access Panel to display a previous index for a report, but no previous index exists.

The current index-report combination remains displayed in the Quick Access Panel.

**Corrective Action:** Use the NEXT command or PF11 or PF23 key to display the next index, if any exists, for the report.

**CTVG45E THERE IS NO NEXT INDEX**

**Explanation:** The NEXT command was entered, or the PF11 or PF23 key was pressed in the Quick Access Panel to display the next index for a report, but no next index exists.

The current index-report combination remains displayed in the Quick Access Panel.

**Corrective Action:** Use the PREV command, or press the PF10 or PF22 key to display the previous index, if any exists, for the report.

**CTVG46E NO INDEX FOUND FOR THIS REPORT**

**Explanation:** Display of Quick Access Panels was requested for a report that has no indexes. Quick Access Panels cannot be displayed for a report that has no indexes.

Quick Access Panels are not displayed.

**Corrective Action:** Determine why the report has no index. If necessary, modify and rerun the Decollation Mission to create one or more indexes for the report.

**CTVG47E REQUIRED VALUE DOES NOT EXIST IN THIS INDEX**

**Explanation:** The index value entered in the Quick Access Panel does not exist in the current index. The user attempted to print a report, or section of a report, based on an index value specified in the Quick Access Panel. The specified value does not exist in the current index for the report.
The report is not printed.

**Corrective Action:** Display the Values of Index Panel for the specified report and index to list existing index values.

CTVG48E DISPLAY TYPE Q IS VALID ONLY WHEN BYPASS PANEL=Q

**Explanation:** DISPLAY Q was entered on the command line of an Active User Reports List. Display Type Q facilitates the display of data about a report in the Quick Access Panels. Display Type Q is only available when the BYPASS PANEL parameter in the User Reports Entry Panel is set to Q. Display Type Q cannot be implemented by means of the DISPLAY command.

**Corrective Action:** Use option Q in any display type of the Active User Reports List to access the Quick Access Facility. The display type does not need to be changed to Q in order to use option Q.

CTVG49E ERROR IN routineName CACHE ROUTINE - RC= rc

**Explanation:** Due to an internal error in routine routineName, a cache request could not be satisfied. The return code from routine routineName was rc. The View option (V) was specified. Routine routineName was called by the View function.

Possible causes and return codes by routine name:

- IOASCRQ - Possible return codes:
  - 4 - OSE (open session entry) was not active.
  - 8 - Another request was issued with this OSE.
  - 24 - PC-call (cross memory addressing) error.

- IOASAOS - Possible return codes:
  - 4 - ENQ query for user existence failed.
  - 16 - There is no free OSE (open session entry).

- IOAXCP5 - Return code is 8, REQ (request queue element) error.

- IOAXPC7 - Return 8, requested media not defined in the IOASPRM member.

- IOASCAW - Return code 4, cannot copy the OSE (open session entry).

The report is not displayed or only partially displayed.

**Corrective Action:** Use the information above to determine what is wrong with the cache request mechanism. If the error cannot be resolved, record the error message and contact BMC Software Customer Support.

CTVG4AE IOASMON ARCHIVE SERVER NOT ACTIVE - RC= rc

**Explanation:** The IOA Archive Server was either terminated or not started.

The cache request is not performed.

**Corrective Action:** Ask the operator to start the IOA Archive Server.
CTVG4BE REQUESTED MEDIA NOT ACTIVE

**Explanation:** The media to which the requested report migrated is not active in the IOA Archive Server. The required media was terminated or not started.

The cache request is not performed.

**Corrective Action:** Ask the operator to activate the required media in the IOA Archive Server.

CTVG4CE ERROR LOCATING MIGRATED REPORT

**Explanation:** The requested report was not found in the catalog. The IOA Archive Server searched the catalog for the requested migrated report but did not find it.

The cache request is not performed.

**Corrective Action:** Contact your INCONTROL administrator to find out what happened to the required data set.

CTVG4DE REQUESTED VOLUME NOT FOUND IN OSS DATABASE

**Explanation:** The requested report migrated to a volume that has been manually deleted from the OSS database.

The cache request is not performed.

**Corrective Action:** Contact your OSS operator to find out what happened to the required volume.

CTVG4EE REQUESTED PLATTER NOT FOUND IN OSS DATABASE

**Explanation:** The requested report migrated to a volume that resides on a platter that has been exported or manually deleted from the OSS database.

The cache request is not performed.

**Corrective Action:** Contact your OSS operator to find out what happened to the required platter.

CTVG4FE NO DEVICES ARE ACTIVE FOR THIS MEDIA

**Explanation:** The media to which the requested report migrated has no currently active device in the IOA Archive Server. The devices of the required media were terminated or not started.

The cache request is not performed.

**Corrective Action:** Ask the operator to activate at least one device of the required media in the IOA Archive Server.

CTVG4GE CTVX001 COULD NOT ACCESS INDEXES

**Explanation:** The CTVX001 exit, could not retrieve an index value from a non-Control-V index file.

The system stops.

**Corrective Action:** Contact BMC Software Customer Support.

CTVG4HS x IS NOT SUPPORTED FOR ACTIVE REPORTS

**Explanation:** Options R and C are not supported for migrated reports.
Corrective Action: Specify a valid option.

CTVGB0E ERROR ALLOCATING DEVICE

Explanation: The IOA Archive Server could not allocate a device to retrieve a migrated report. See messages DVT191E or IOA191E and DVT192E or IOA192E in the IOA Log file for the error code and information about the failed allocation.

The cache request is not performed.

Corrective Action: Correct the problem that caused the allocation to fail, and retry.

CTVGB1E OPERATOR COULD NOT MOUNT REQUESTED TAPE

Explanation: The operator did not mount a volume requested by the IOA Archive Server. The requested volume could not be found or the operator did not mount the volume for some other reason.

The cache request is not performed.

Corrective Action: Contact the operator to determine why the requested volume was not mounted.

CTVGB2E CACHE REQUEST FAILED - SERVER CODE = rc

Explanation: Due to an internal error in the cache mechanism, a cache request was not performed. Return code rc was produced as a result, as shown below.

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Media error in adding request to chain.</td>
</tr>
<tr>
<td>24</td>
<td>Media error in GETMAIN for TVL.</td>
</tr>
<tr>
<td>28</td>
<td>Media error handling multivolume file.</td>
</tr>
<tr>
<td>36</td>
<td>Media error: File resides on more than five volumes.</td>
</tr>
<tr>
<td>60</td>
<td>Media error: An RQC was queued without RBAs.</td>
</tr>
<tr>
<td>64</td>
<td>OASDVT error: An RQC was queued with a zeroed RBA.</td>
</tr>
<tr>
<td>68</td>
<td>Media error during deallocation. See messages DVT191E or IOA191E and DVT192E or IOA192E in the IOA Log file for the error code and more information.</td>
</tr>
<tr>
<td>76</td>
<td>Media error: Open failed.</td>
</tr>
<tr>
<td>80</td>
<td>Media error: Task abended during open. See message DVT194E or IOA194E in the IOA Log file for the abend code.</td>
</tr>
<tr>
<td>84</td>
<td>Media error: I/O error on device. See message DVT193E or IOA193E in the IOA Log file for the input or output error description.</td>
</tr>
<tr>
<td>92</td>
<td>IOASDVT error while reading the descriptor block of a migrated CDAM file.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>----</td>
<td>-------------</td>
</tr>
<tr>
<td>96</td>
<td>IOASDVT error while acquiring storage for a migrated CDAM descriptor block. See message DVT180S in the IOA Log file for more information.</td>
</tr>
<tr>
<td>100</td>
<td>IOASDVT error while reading the first block from a migrated CDAM file.</td>
</tr>
<tr>
<td>104</td>
<td>IOASDVT error while acquiring storage for the first block of a migrated CDAM file. See message DVT180S in the IOA Log file for more information.</td>
</tr>
<tr>
<td>108</td>
<td>IOASDVT error while acquiring storage for cache. See message DVT180S in the IOA Log file for more information.</td>
</tr>
<tr>
<td>112</td>
<td>IOASDVT error: Extent number in RBA is out of range.</td>
</tr>
<tr>
<td>116</td>
<td>Error while translating RBA to BBB.</td>
</tr>
<tr>
<td>120</td>
<td>IOASDVT error: block number is out-of-range.</td>
</tr>
<tr>
<td>124</td>
<td>Error while translating BBB to RBA.</td>
</tr>
<tr>
<td>128</td>
<td>IOASDVT error while issuing ENQ to test user existence. See message DVT181E or IOA181E in the IOA Log file for more information.</td>
</tr>
<tr>
<td>132</td>
<td>IOASDVT error: Task abended during cache request processing.</td>
</tr>
<tr>
<td>140</td>
<td>Media error: Assigned device could not be allocated because it is unavailable. See messages DVT191E or IOA191E and DVT192E or IOA192E in the IOA Log file for the error code and more information.</td>
</tr>
</tbody>
</table>

The cache request is not performed.

**Corrective Action:** See the IOA Log file for messages regarding the event. Use the return code to determine what caused the IOA Archive server cache mechanism to fail. If the error cannot be resolved, contact BMC Software Customer Support.

**CTVGB3E INDEX/VALUE NON-UNIQUE. PRINT REQUEST DENIED**

**Explanation:** This message indicates that more than one index satisfies the specified index mask, or more than one value satisfies the specified prefix value.

The report is not printed.

**Corrective Action:** To print a specific portion of the report use the Index window to specify a unique index, or use the Values of Index panel to specify a unique value.

**CTVGB4E INDEX VALUE NOT FOUND - PRINT REQUEST DENIED**

**Explanation:** This message indicates that the specified value does not exist in the specified index.

The report is not printed.
Corrective Action: Use the Index window to determine whether or not the required index exists. Use the Values of Index panel to determine whether or not the required value exists. Specify the required index and value for the print request.

CTVGB5I NO MORE SUBINDEXES FOR THIS BRANCH
Explanation: This information message indicates that there are no lower level indexes for this index.
Corrective Action: No action is required.

CTVGB6I NO VALUES EXIST FOR THIS INDEX
Explanation: This information message indicates that no values of the specified index appear in the user’s report.
Corrective Action: No action is required.

CTVGB7E INVALID MEDIA SPECIFIED FOR REPORT
Explanation: A migrated report could not be accessed because the media to which it was migrated was not found. The $SYSDATA entry that corresponds to this migrated report specifies a migrated media which does not appear in IOASPRM.

The migrated report is not accessed.
Corrective Action: Have your INCONTROL administrator correct IOASPRM to reference the migrated media that appears in the $SYSDATA entry.

CTVGC5S INTERNAL ERROR - FREEMAIN ERROR. RC = rc
Explanation: An internal error occurred during the execution of a FREEMAIN macro. This error occurred during the execution of the database conversion utility. See CVIGC5S.

The database conversion utility terminates with an error. The conversion of the VSAM file to an IOA Access Method file is not completed.
Corrective Action: Contact BMC Software Customer Support.

Messages CTVP00 through CTVPxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

CTVP40E UNABLE TO ACCESS INDEXES - RC = rc
Explanation: An internal error occurred when accessing the Index facility of Control-D/WebAccess Server Page On Demand or Control-D PRINT monitor.

The requested action is not performed.
Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.
CTVP41E NOT ENOUGH SPACE FOR INDEXES - SOME INDEXES ARE MISSING

Explanation: There are too many index paths for this report. Some index paths cannot be accessed using Page On Demand.

Only the displayed index paths are accessible using Page On Demand.

Corrective Action: You can access the rest of the index paths by means of the Control-D Index facility.

CTVP42E INTERNAL ERROR - INVALID REQUEST SUB-TYPE - MUST BE BETWEEN 1 AND n

Explanation: An internal error occurred when the user attempted to access an Index facility of Control-D/WebAccess Server Page On Demand.

The function is not performed.

Corrective Action: Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTVP43E INTERNAL ERROR FREEING STORAGE - RC = rc

Explanation: An internal error occurred when the user attempted to exit from the Index facility of Control-D/WebAccess Server Page On Demand.

The server on the host cannot close the index used. Other problems may occur because of this error.

Corrective Action: Check the IOA Log and the system log for additional error messages. Report the problem and any additional error messages to BMC Software Customer Support.

CTVP44S INSUFFICIENT STORAGE - INCREASE REGION SIZE

Explanation: Insufficient memory in the host server to perform the index request.

The indexes cannot be accessed.

Corrective Action: Increase the REGION size of the server task on the host, and restart the server.

CTVP45E REPORT ENTRY DELETED - CANNOT ACCESS INDEXES

Explanation: The report entry corresponding to the index being processed does not exist. The report entry was probably deleted by another user or by CTDDELRP utility.

The report is not displayed.

Corrective Action: Refresh the User Report list to get a current list of existing report entries.

CTVP46S ERROR IN INPUT MESSAGE LENGTH - MESSAGE IS TOO SHORT

Explanation: An internal communication error occurred between Control-D/WebAccess Server and the Control-D Application Server.

The requested action is not performed.

Corrective Action: Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.
CTVP47S EOR IN INPUT MESSAGE - INDEX PATH IS INCORRECT

**Explanation:** Internal error in communication between Control-D/WebAccess Server and the Control-D Application Server. The report section is not retrieved.

**Corrective Action:** Report this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTVP48S INTERNAL ERROR - LOAD OF MODULE *modName* FAILED

**Explanation:** The Control-D Application Server failed to load a load module. The requested function is not performed. Other problems may follow.

**Corrective Action:** Consult your INCONTROL administrator. If necessary, report this problem to BMC Software Customer Support.

CTVP49S INTERNAL ERROR - MISMATCH BETWEEN INDEX RECORD AND USER RECORD

**Explanation:** Internal error in the Control-D Application Server or Control-D PRINT monitor. The requested action is not performed.

**Corrective Action:** Report this problem, the report entry for which it occurred, and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTVP4AS INTERNAL ERROR IN INPUT PARAMETERS

**Explanation:** An internal error occurred when accessing the Index facility of Control-D/WebAccess Server Page On Demand. The requested action is not performed.

**Corrective Action:** Record this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTVP4BS INTERNAL ERROR - CANNOT LOCATE THE PREVIOUS VALUE FROM WHICH TO START

**Explanation:** An internal error occurred when accessing the Index facility of Control-D/WebAccess Server Page On Demand. The requested action is not performed.

**Corrective Action:** Record this problem and any relevant error messages from the IOA Log and the Control-D Application Server to BMC Software Customer Support.

CTVP4CE CANNOT VIEW REPORT SECTION - INDEX PATH VALUES ARE NOT UNIQUE

**Explanation:** The index values in the selected path are not unique. The report cannot be viewed. The report section is not viewed.
Corrective Action: Choose index values from the List of Index Values, and then attempt to View the report.

CTW messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages CTW0 through CTW0xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTW001W taskName : COMMUNICATION IS NOT ACTIVE

Explanation: Communication with the Enterprise Manager gateway was disconnected. IOAGATE reported the disconnection to the Application Server of Control-M. The task-name task of the Application Server issues this message.

The Application Server waits until communication is connected again.

Corrective Action: Check IOAGATE messages to identify and fix the communication problem.

CTW002W taskName : NO RESPONSE RECEIVED WITHIN EXPECTED TIME INTERVAL

Explanation: The Enterprise Manager gateway did not respond to an IOAGATE transmission within the time allowed.

The Control-M Application Server waits for a message from the Enterprise Manager gateway.

Corrective Action: Check the Enterprise Manager gateway to find out why it is not responding.

CTW003E taskName : COMMUNICATION SLOWDOWN

Explanation: IOAGATE buffers are full. IOAGATE can not accept any new messages from the Control-M Application Server. IOAGATE informs the Application Server. The taskName task of the Application Server tries to transmit again several times and, if it does not succeed, issues this message.

The Control-M Application Server stops.

Corrective Action: Check IOAGATE messages to try to identify and fix the problem. If necessary, contact BMC Software Customer Support.

CTW004E taskName : MBX INTERNAL ERROR ENCOUNTERED. FUNCTION: funcName RC= rc

Explanation: An internal error occurred in the MBX API.

The Control-M Application Server terminates.

Corrective Action: Contact BMC Software Customer Support.
CTW046S BLDL/LOAD FAILED FOR THE MODULE "modName"

Explanation: Loading of the modName module failed.
Possible causes are:
- The IOA Load library is not in the load modules search list (STEPLIB + Linklist).
- There is insufficient memory.
- There is some other system-oriented reason, which may be found in the syslog.
Execution might stop.
Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.

Messages CTW100 through CTW1xx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTW125W FOLDER LIBRARY NOT FOUND
Explanation: The specified job scheduling library is not correct.
Corrective Action: Correctly specify the library.

Messages CTW300 through CTW3xx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTW392S OPEN OF DDNAME ddName FAILED
Explanation: The opening of the data set referenced by the ddName DD statement failed.
Possible causes are:
- the DD statement referring to the data set referenced by the ddName DD statement is missing.
- The data set referenced by the ddName DD statement does not exist.
System action depends on the calling program. Execution may continue, or it may stop.
Corrective Action: Correct the JCL and rerun.

Messages CTW500 through CTW5xx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
CTW581S OPEN OF IOA SYNCHRONIZATION FILE FAILED. DDNAME "DASINC"

Explanation: The opening of the IOA Conditions Synchronization file failed (DD statement DASINC).
Possible causes are:
- The DD statement DASINC is missing.
- The file allocated to the DD statement DASINC is not the IOA Synchronization file.
- The file allocated to DD statement DASINC is the IOA Synchronization file, but it is of a different version or of a different Control-M monitor.

Corrective Action: Correct the JCL for the job or the allocations for the CLIST.

CTW586S OPEN OF IOA CONDITIONS FILE FAILED. DDNAME "DACNDSF"

Explanation: Open of IOA Conditions file failed (DD statement DACNDF).
Possible causes are:
- The DD statement DACNDF is missing.
- The file allocated to the DD statement DACNDF is not an IOA Conditions file.
- The file allocated to the DD statement DACNDF is the IOA Conditions file, but it is of a different version or of a different IOA Installation.

Corrective Action: Correct the JCL for the job or the allocations for the CLIST.

Messages CTW900 through CTW9xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTW912S ERROR IN CONTROL- \x INSTALLATION PARAMETERS - INVALID DAYTIME

Explanation: Invalid format of Control- \x Installation DAYTIME parameter. DAYTIME is the start time of the Control-M work day in your installation. Valid formats are +hhmm or -hhmm.

For more details see the section that describes installation parameters in the chapter for the appropriate products in the INCONTROL for z/OS Installation Guide.

The requested function terminates.

Corrective Action: Call your system programmer to correct the DAYTIME parameter in the CT \x:PARM member.

CTW913S OPEN OF DDNAME "SYSPRINT" FAILED

Explanation: The opening of a print file failed.
Possible causes are:
The DD statement SYSPRINT is missing.

The data set referenced by the DD statement SYSPRINT cannot be accessed for sequential write.

The program stops executing.

**Corrective Action:** Correct the JCL and submit again.

CTW914S ERROR IN IOA INSTALLATION PARAMETERS - INVALID DATETYP

**Explanation:** Highlighted, unrollable message.

The DATETYP IOA Installation Parameter is invalid. DATETYP is the type of date format used in the installation. Valid formats are:

- **A** - mmdyy
- **W** - ddmmyy
- **J** - yymmdd

For more details refer to the section that describes how to set IOA installation parameters in the IOA chapter of the INCONTROL for z/OS Installation Guide.

The requested function stops.

**Corrective Action:** Call your system programmer to correct the DATETYP parameter in the IOAPARM member.

CTW916W PROGRAM pgm WAITING FOR resourceName

**Explanation:** One of the IOA monitor internal programs detected an IOA resource in use by a TSO user or batch job. This message normally appears a few times a day.

The variables in this message are:

- **pgm** - the name of the internal program that is waiting for the resource that is in use
- **resourceName** - the name of the resource that is in use

Valid values are:

<table>
<thead>
<tr>
<th>name</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNDF</td>
<td>The IOA Conditions file</td>
</tr>
<tr>
<td>RESF</td>
<td>The Control-M Resources file</td>
</tr>
<tr>
<td>LOG</td>
<td>The IOA Log file</td>
</tr>
<tr>
<td>Control-M</td>
<td>The Control-M New Day procedure</td>
</tr>
<tr>
<td>JES_SSRQ</td>
<td>A JES subsystem request</td>
</tr>
<tr>
<td>CKPT</td>
<td>The Control-M Active Jobs file or the Control-D Active Missions file</td>
</tr>
</tbody>
</table>
The message is displayed on the operator console.

**Corrective Action:** The user response depends on the circumstances, as follows:

- If the message appears many times every few seconds, the file may be hung. This situation must be resolved by determining which program is holding the specified `resourceName`. Look for the IOA QNAME that is specified in the IOA Installation Parameter and take appropriate corrective action.
- If `pgm` is CTMFRM and `resourceName` is CONTROLM, some possible reasons are:
  - there are several Control-M monitors running with the same QNAME
  - there is a user daily job running that has a date control record in which columns 60 through 65 are not blank, meaning that it is acting as the Control-M New Day procedure and therefore Control-M has been enqueued
  - the Control-M New Day procedure was started externally (manually) rather than being started by the monitor, and as a result waits for the monitor to be suspended

Take appropriate corrective action.

- If the program name `pgm` is CTM|ES and the `resourceName` is JES_SSRQ, then Control-M (in its postprocessing phase) has called the JES2 interface using IEFSSREQ (a JES2 subsystem request) and is waiting for some function to be executed by JES2, but the execution of that function is being delayed in JES2. If the message persists in this situation, prepare the Control-M monitor full output and contact BMC Customer Support.

**CTW918S INSUFFICIENT MEMORY TO RUN CONTROL-**

**Explanation:** Highlighted, unrollable message.

More memory is required for the INCONTROL monitor.

The specified monitor will shut down.

**Corrective Action:** Increase the REGION size of the specified monitor.

**CTW919S INTERNAL ERROR IN CONTROL-M MONITOR**

**Explanation:** Highlighted, unrollable message.

An internal error occurred in the Control-M monitor.

The Control-M monitor abends with the user abend 0008.

**Corrective Action:** Try to start the Control-M monitor again. In any case, keep the dump and call BMC Software Customer Support for assistance.

**Messages CTWG00 through CTWGxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**CTWG00I ENTERPRISE/CS MAINFRAME GATEWAY STARTED, RELEASE=**

**Explanation:** This information message indicates a normal start of MVS Gateway for Enterprise Controlstation.
**Corrective Action:** No action is required.

**CTWG01I ENTERPRISE/CS MAINFRAME GATEWAY DEBUG LEVEL IS SET TO debugLevel**

*Explanation:* This information message indicates that the Enterprise Controlstation Mainframe Gateway DEBUG level was set by an operator modify command (F).

The TRACE level is set to a new level. Each TRACE level activates the trace option on different components of the Enterprise Controlstation Mainframe Gateway.

*Corrective Action:* No action is required.

**CTWG02E ENTERPRISE/CS MAINFRAME GATEWAY NOT APF-AUTHORIZED**

*Explanation:* The Enterprise Controlstation Mainframe Gateway is not APF-authorized. The CTWGTW module is not in an APF-authorized library or does not have the AC=1 attribute.

The Enterprise Controlstation Mainframe Gateway shuts down.

*Corrective Action:* Either add the library name in which CTWGTW resides to the IEAAPF00 member in SYS1.PARMLIB, or relink the module with the AC=1 attribute.

**CTWG03E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:**

*Explanation:* An operator modify command (F) passed an erroneous parameter to the Enterprise Controlstation Mainframe Gateway. One or more GTWG25I messages are displayed on the operator console after this message, each containing a valid modify parameter.

The modify command is rejected.

*Corrective Action:* Enter a valid modify parameter.

**CTWG04E BLDL/ATTACH FAILED FOR TASK taskName**

*Explanation:* Initialization of one of the Enterprise Controlstation Mainframe Gateway's internal tasks failed. The system code indicating the exact reason can be found in the system log.

This may be due to one of the following:

- Task taskName is not found in the IOA Load library.
- Insufficient storage is available for the Enterprise Controlstation Mainframe Gateway.

The Enterprise Controlstation Mainframe Gateway shuts down.

*Corrective Action:* Call your system programmer for assistance. If necessary, increase the Enterprise Controlstation Mainframe Gateway REGION size.

**CTWG05E UNRECOVERABLE ERROR ENCOUNTERED**

*Explanation:* An unrecoverable error occurred in the operation of the Enterprise Controlstation Mainframe Gateway. The IOA Log, or the Enterprise Controlstation Mainframe Gateway JES messages file or SYSPRINT file, should contain a message with more details about the error. See also, CTWA01W.

The Enterprise Controlstation Mainframe Gateway shuts down.
**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

**CTWG06E ONE OF THE SUBTASKS HAS ABENDED**

**Explanation:** One of MVS Gateway for Enterprise Controlstation’s internal subtasks has abended.

MVS Gateway for Enterprise Controlstation shuts down with user abend 0006. A dump of the abending task is included in the SYSABEND output file.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

**CTWG07I SHUT DOWN UPON REQUEST FROM OPERATOR**

**Explanation:** This information message confirms that an operator command (P) was issued, requesting shutdown of MVS Gateway for Enterprise Controlstation. This message is followed by message GTWG20I, indicating completion of the shutdown.

MVS Gateway for Enterprise Controlstation starts to shut down.

**Corrective Action:** No action is required.

**CTWG10E TRACE LEVEL MUST BE A NUMBER BETWEEN 0 AND 255**

**Explanation:** An invalid TRACE level was entered, either in the operator modify command (F) or in the operator start command (S). When activating the Enterprise Controlstation trace facilities, specify a number from 0 through 255, inclusive, for the TRACE level. 0 specifies no tracing.

**Corrective Action:** Issue the command again with the correct TRACE level. The required TRACE level should be supplied by BMC Software Customer Support.

**CTWG11I SERVICE ID "id" IS {ENABLED | DISABLED}**

**Explanation:** This information message confirms the current enable or disable status of service ID, after the operator has issued an operator modify command (F) that enables or disables it.

**Corrective Action:** No action is required.

**CTWG12E INVALID PARAMETERS (parms) PASSED TO THE ENTERPRISE/CS MAINFRAME GATEWAY**

**Explanation:** One or more parameters which were passed to the Enterprise Controlstation Mainframe Gateway in an operator start command (S) were invalid.

The Enterprise Controlstation Mainframe Gateway shuts down.

**Corrective Action:** Restart the Enterprise Controlstation Mainframe Gateway with valid parameters.

**CTWG13E OPEN OF CONTROL-M ACTIVE JOBS FILE FAILED. DDNAME "DACKPT"**

**Explanation:** Open of the Control-M Active Jobs file failed (the DACKPT DD statement). This may be due to one of the following:
The DACKPT DD statement is missing.
The data set pointed to by the DACKPT DD statement is not the Control-M Active Jobs file.
The program stops executing.

**Corrective Action:** Correct the JCL for the job or started task and rerun or restart it.

CTWG14I ENTERPRISE/CS MAINFRAME GATEWAY `subtaskName (id)` STARTED

**Explanation:** This information message indicates that a Control-M NJE subtask started normally.

**Corrective Action:** No action is required.

CTWG15I ENTERPRISE/CS MAINFRAME GATEWAY `subtaskName (id)` SHUT DOWN UPON REQUEST FROM MAIN TASK

**Explanation:** This information message indicates that a Control-M NJE subtask terminated normally.

**Corrective Action:** No action is required.

CTWG16E OPEN OF CONTROL-M STATISTICS FILE FAILED. DDNAME "DASTAT"

**Explanation:** The program is unable to open the Control-M Job Execution Statistics file (DD statement DASTAT). Possible causes are:

- The DASTAT DD statement is missing.
- The data set pointed to by the DACKPT DD statement is not the Control-M Job Execution Statistics file.
- VSAM open error.

The program continues executing, but without accessing the Job Execution Statistics file.

**Corrective Action:** Look for VSAM messages or other system messages. Correct the JCL for the job or started task and rerun or restart it.

CTWG17E FILE ALLOCATED TO DDNAME "DACKPT" IS NOT YOUR CONTROL-M ACTIVE JOBS FILE

**Explanation:** The data set pointed to by the DACKPT DD statement is not your Control-M Active Jobs file. This is due to one of the following:

- The data set pointed to by the DACKPT DD statement is not the Control-M Active Jobs file.
- The data set pointed to by the DACKPT DD statement is the Control-M Active Jobs file, but of another monitor, or of a different Control-M version.

The program stops executing.

**Corrective Action:** Correct the JCL of the job or started task and rerun or restart it.
CTWG19W DUPLICATE processing parm FOUND IN JOB jobName
ORDERD orderId

Explanation: During download of the Control-M Active Jobs file or update of the Active network, a job was encountered that contained a duplicate processing parameter entry. Only one of the duplicate entries will be downloaded.

Corrective Action: It is advisable to correct the job definition in the mainframe so that it does not contain any duplicate processing parameter entries.

CTWG20I ENTERPRISE/CS MAINFRAME GATEWAY SHUTTING DOWN

Explanation: This information message is issued when the Control-M NJE Gateway shuts down, either as a result of an operator command (P), or due to internal Control-M NJE Gateway events. The Control-M NJE Gateway log, the Control-M NJE Gateway JES messages file, or the SYSPRINT file usually contain additional messages concerning the reason for the shutdown.

The Control-M NJE Gateway shuts down.

Corrective Action: No action is required.

CTWG21S ENTERPRISE/CS MAINFRAME GATEWAY ENDED WITH ERRORS

Explanation: The Enterprise Controlstation Mainframe Gateway ended with an error. The IOA Log, or the Enterprise Controlstation Mainframe Gateway JES messages file or SYSPRINT file, should contain additional messages concerning the specific error.

The Enterprise Controlstation Mainframe Gateway shuts down.

Corrective Action: Check the IOA Log or the system log for the reason. Call your system programmer for assistance if needed. Try to start the Enterprise Controlstation Mainframe Gateway again.

CTWG22W DUPLICATE processing parm FOUND IN JOB jobName TABLE tableName

Explanation: During table download, a job was encountered that contained a duplicate processing parameter entry. Only one of the duplicate entries will be downloaded.

Corrective Action: It is advisable to correct the job definition in the mainframe so that it does not contain any duplicate processing parameter entries.

CTWG23I CONTROL-M NJE GATEWAY INTERVAL IS SET TO nn SECONDS

Explanation: This information message displays the current NJE Gateway sleeping interval after it is set by an operator Modify command (F). The NJE Gateway wakes up every nn seconds to check what it must do.

Corrective Action: No action is required.
CTWG24E INTERVAL MUST BE A TWO-DIGIT NUMBER BETWEEN 03 AND 99 SECONDS

**Explanation:** Invalid Enterprise Controlstation Mainframe Gateway sleeping interval specified in an operator modify command (F). The Enterprise Controlstation Mainframe Gateway sleeping interval must be a 2-digit number from 03 to 99 seconds.

The modify command is rejected.

**Corrective Action:** Enter a valid sleeping interval.

CTWG25I valid parm

**Explanation:** This information message accompanies message GTWG03E, which indicates that an invalid modify parameter was specified. This message contains a valid modify parameter. This message may appear more than once. Each occurrence lists another valid modify parameter.

**Corrective Action:** No action is required.

CTWG26E MAXIMUM "ON" CODES EXCEEDED IN JOB jobName TABLE tableName

**Explanation:** During Table Download, a job was encountered that contained too many ON codes. There is insufficient space in the internal buffer for the number of ON codes in the job definition.

The table download fails.

**Corrective Action:** It is advisable to correct the job definition in the mainframe so that it contains fewer ON codes.

CTWG27S INSUFFICIENT STORAGE FOR CONTROL-M APPLICATION SERVER

**Explanation:** Insufficient storage available for the Control-M Application Server to execute.

The Control-M Application Server shuts down.

**Corrective Action:** Increase the REGION size parameter for the CTMAS procedure. If it is already REGION=0M, contact BMC Software Customer Support.

CTWG28E MAXIMUM "ON" CODES EXCEEDED IN JOB jobName ORDERID orderId

**Explanation:** During download of the Active Jobs file or update of the Active network, a job was encountered that contained too many ON codes. There is insufficient space in the internal buffer for the number of ON codes in the job definition.

Download of the Active Jobs file or update of the Active network will continue, but the specific job will not be downloaded.

**Corrective Action:** It is advisable to correct the job definition in the mainframe so that it contains fewer ON codes.
CTWG29E CTWGNRL FAILED. TASK ID= id FUNCTION= func RC= rc

**Explanation:** MVS Gateway for Enterprise Controlstation detected an internal error beyond user control. This error message is issued by the CTWGTW program, which is activated as part of MVS Gateway for Enterprise Controlstation.

MVS Gateway for Enterprise Controlstation shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

CTWG30E CTWPUT FAILED. TASK ID= taskId PUT ID= putId RC= rc

**Explanation:** Control-M NJE Gateway detected an internal error. Internal CTWPUT operation that was issued by PUTID putId, under subtask number taskId, failed with a return code of rc. If rc=20, a GETMAIN failure occurred above the 16M line.

For some errors, Control-M NJE Gateway shuts down. For other errors, operation continues.

**Corrective Action:** If Control-M NJE Gateway shuts down, contact BMC Software Customer Support. If rc=20, increase the region size.

CTWG31W YOUR ENTERPRISE/CS MAINFRAME GATEWAY IS ALREADY ACTIVE. QNAME qName

**Explanation:** Highlighted, unrollable message.

An attempt was made to start an Enterprise Controlstation Mainframe Gateway which was already active. It is impossible to run two Enterprise Controlstation Mainframe Gateways with the same QNAME at the same time.

The newly started Enterprise Controlstation Mainframe Gateway shuts down.

**Corrective Action:** No action is required.

CTWG32E CONTROL-M RELEASE NOT SUPPORTED (rel)

**Explanation:** The Enterprise Controlstation Mainframe Gateway was started on a Control-M installation with a release (rel) that is not supported. The Enterprise Controlstation supports Control-M Release 3.0.0 and above.

The Enterprise Controlstation Mainframe Gateway shuts down.

**Corrective Action:** No action is required.

CTWG33E INCOMPATIBLE GATEWAY VERSIONS. MAINFRAME GATEWAY VERSION mainframe_version. WORKSTATION GATEWAY VERSION workstation_version

**Explanation:** The version of MVS Gateway for Enterprise Controlstation is not compatible with the Workstation Gateway version. The two gateways should be installed from the same installation version. If only one gateway was upgraded, the link cannot become active.

MVS Gateway for Enterprise Controlstation shuts down.

**Corrective Action:** Either upgrade the lower version gateway, or restore the upgraded gateway to the previous version.
CTWG34E CONTROL-M APPLICATION SERVER DOES NOT SUPPORT COMPATIBILITY MODE

**Explanation:** The Control-M compatibility mode in IOAPARM is set to 2 (MODECTM=3). The Control-M application server can work in no compatibility mode (MODECTM=3).

The Control-M application server terminates with a return code of 8.

**Corrective Action:** Correct the error and try again, or start a Control-M application server from an earlier version.

CTWG41I CURRENT STATE: DOWN, REQUIRED STATE: UP

**Explanation:** This information message indicates that the Control-M monitor component being monitored by the Control-M/CM Application Server is DOWN, while its desired state is UP.

**Corrective Action:** Start the Control-M monitor, or change the desired state to DOWN.

CTWG42I CURRENT STATE: UP, REQUIRED STATE: DOWN

**Explanation:** This information message indicates that the Control-M monitor component being monitored by the Control-M/CM Application Server is UP, while its desired state is DOWN.

**Corrective Action:** Stop the Control-M monitor, or change the desired state to UP.

CTWG43E CTMCAS CANNOT START, *param* PARAMETER IS MISSING

**Explanation:** The Control-M/CM Application Server could not be started, because mandatory parameter *param* is missing from the CTMPARM member.

The Control-M/CM Application Server shuts down.

**Corrective Action:** Specify the missing parameters in CTMPARM and then restart the Control-M/CM Application Server.

CTWG51E ENTERPRISE/CS MAINFRAME GATEWAY INTERNAL ERROR. RC=rc

**Explanation:** An internal error occurred. A call to internal routine ECAPUT failed with return code rc. The IOA Gateway shuts down.

**Corrective Action:** Contact your INCONTROL administrator.

Messages CTWH00 through CTWHxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTWH00I DOWNLOAD OF ACTIVE DATABASE STARTED

**Explanation:** Information message issued by the Control-M Application Server indicating that the download of the IOA and Control-M database is currently in progress.

**Corrective Action:** No action is required.
CTWH01I  DOWNLOAD OF ACTIVE DATABASE ENDED SUCCESSFULLY

**Explanation:** Information message issued by the Control-M Application Server indicating that the download of the IOA and Control-M database has ended successfully.

**Corrective Action:** No action is required.

CTWH02I  SERVER IS READY TO RECEIVE REQUESTS

**Explanation:** This information message indicates that the Enterprise Controlstation Workstation Gateway server has finished its initialization. The server is now ready to receive requests issued by the Enterprise Controlstation Workstation Gateway.

**Corrective Action:** No action is required.

CTWH03E  DOWNLOAD OF ACTIVE DATABASE FAILED

**Explanation:** Download of the IOA and Control-M database failed.

The download of the IOA and Control-M database, performed by the Control-M Application Server, has ended with an error.

The Control-M Application Server shuts down.

**Corrective Action:** Look in the job log, SYSPRINT and IOA Log for messages containing the reason for the failure. After the problem has been resolved, restart the Control-M Application Server.

CTWH04E  MODULE modName SHOULD BE REUSABLE

**Explanation:** This message indicates that an IOA module that should have been reusable, is not.

The `modName` module is supplied with the IOA installation tape with the reusable attribute bit on. However, the reusable attribute has become corrupted.

The program stops executing.

**Corrective Action:** Copy the `modName` module from the IOA installation tape to the IOA load library, refresh LLA, and rerun the program.

CTWH05E  ERROR DETECTED BY WORKSTATION GATEWAY DURING DOWNLOAD

**Explanation:** Download of the Active Jobs file failed due to an error encountered by the Workstation Gateway.

Download of the Active Jobs file was initiated, but the Workstation Gateway indicated that an error was encountered on the workstation side.

Download of the Active Jobs file fails.

**Corrective Action:** Look for error messages issued by the workstation and correct the problem accordingly.
INCONTROL for z/OS Messages Manual

CTWH06I WORKSTATION DATABASE IS SYNCHRONIZED WITH THE MAINFRAME DATABASE

**Explanation:** This information message is issued after establishment of communication, and indicates either that download of the Active Jobs file has ended successfully, or that it is not required.

**Corrective Action:** No action is required.

CTWH07E KSL INTERNAL ERROR TYPE type, RC = rc

**Explanation:** The Control-M Application Server encountered problems interfacing with the KSL subtask. In this message, type is one of the following:

<table>
<thead>
<tr>
<th>type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 0001</td>
<td>Attempt to initialize KSL subtask.</td>
</tr>
<tr>
<td>TYPE 0002</td>
<td>Waiting for KSL subtask to perform a request.</td>
</tr>
<tr>
<td>TYPE 0003</td>
<td>KSL subtask ended abnormally.</td>
</tr>
</tbody>
</table>

The return code contains the system abend code.

The Control-M Application Server shuts down.

**Corrective Action:** Check the messages in the job log and the output in file DAKSLOUT. If message CTM555S appears, increase the REGION size. If no relevant messages appear, contact BMC Software Customer Support.

CTWH08I DOWNLOAD OF {CONTROL-M ACTIVE JOBS | IOA CONDITIONS/RESOURCES} FILE {STARTED | ENDED}

**Explanation:** This information message indicates that downloading of the specified file started or ended. The specified file is being downloaded from Control-M on the mainframe to an Enterprise Controlstation. This message indicates which phase of the download process was reached.

**Corrective Action:** No action is required.

CTWH09E OPEN OF KSL COMMUNICATION FILE FAILED. DDNAME "KSLCOMM"

**Explanation:** Open of the KSL Communication file failed (the KSLCOMM DD statement). This error message is issued by the Control-M Application Server and may be due to one of the following:

- The KSLCOMM DD statement is missing.
- The Control-M Application Server JCL procedure has been modified.

The Control-M Application Server shuts down.

**Corrective Action:** Correct the Control-M Application Server JCL procedure, and restart the Control-M Application Server.
CTWH10I {CTWSRVE | CTWDET} {STARTED | ENDED}

**Explanation:** This information message indicates that the Control-M Application Server initiated or shut down subtasks.

**Corrective Action:** No action is required.

CTWH12E SERVER INTERNAL ERROR TYPE type

**Explanation:** The server program detected an internal error.

This error message is issued by the CTWSRVR program, which is activated as part of the Control-M Application Server, and is due to reasons beyond the user's control.

The Control-M Application Server shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

CTWH53E FORMAT OF ACTIVE JOBS FILE ABENDED

**Explanation:** An abend occurred when the Active Jobs file was last formatted. The New Day process did not finish OK. ECSGATE cannot work with the AJF, because the AJF might be corrupted.

The Control-M Application Server shuts down.

**Corrective Action:** Inform your INCONTROL administrator.

CTWH57I ACTIVE JOBS FILE IS BEING FORMATTED

**Explanation:** This information message indicates that the Control-M Active Jobs File (AJF) is currently being formatted.

The Control-M Application Server holds updates. After formatting is finished, it executes a full download to the Enterprise Controlstation.

**Corrective Action:** No action is required.

CTWH60W RUN NUMBERS run_num1 TO run_num2 OF jobName HAVE NOT BEEN CAPTURED

**Explanation:** The Control-M Application Server detected that during its last sleeping period it missed some events.

This message is issued by the Control-M Application Server when it detects that the run number of the jobName job in the Control-M Active Jobs file has changed by more than one during the last sleeping period of the Control-M Application Server. This means that run numbers run_num1 to run_num2 of the job have not been captured by the Control-M Application Server.

**Corrective Action:** Consider decreasing the SLEEPINT parameter in the relevant APSERVER statement in the ECAPARM member.

CTWH61E DETECTOR INTERNAL ERROR TYPE type

**Explanation:** The detector program detected an internal error. This error message is issued by the Control-M Application Server, and is due to reasons not in user control.

The Control-M Application Server shuts down.
Corrective Action: Please have your INCONTROL administrator contact BMC Software Customer Support.

CTWH67I  DOWNLOAD PROCESS WILL TAKE PLACE SINCE rsn  
Explanation: This information message indicates that a download will be executed, and the reason.
Possible causes of this message are:
- The Control-M Active Jobs File (AJF) was formatted since the last Application Server cycle.
- The Control-M Application Server received a STARTLINK modify command.
Possible values for rsn are:
- ACTIVE JOBS FILE WAS FORMATTED
- STARTLINK COMMAND WAS ISSUED
The Control-M Application Server requests and will execute a full download to the Enterprise Controlstation.
Corrective Action: No action is required.

Messages CTWI00 through CTWIxx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTWI00I  DOWNLOAD OF IOA DATA BASE STARTED  
Explanation: This information message is issued by the Enterprise Controlstation Download utility to indicate that downloading of the IOA and Control-M database is currently in progress.
Corrective Action: No action is required.

CTWI01I  DOWNLOAD OF IOA DATA BASE ENDED SUCCESSFULLY  
Explanation: Information message issued by the Enterprise Controlstation Download utility, indicating that the download of the IOA and Control-M database has ended successfully.
Corrective Action: No action is required.

CTWI02E  RESOURCE resourceName CONTAINS NULL, INTERNAL CODE code  
Explanation: A resource containing nulls in its name was encountered during download or database update. A null is not valid in the name of a quantitative or control resource.
The Control-M Application Server terminates with a condition code of 08.
Corrective Action: Report the occurrence to BMC Software Customer Support.
CTWI03E OPEN OF ENTERPRISE/CS INFO DOWNLOAD FILE FAILED. DDNAME "DWNINFO"

**Explanation:** The Enterprise Controlstation Download utility could not open the Download Info file (DD statement DWNINFO).

Possible causes are:
- The DWNINFO DD statement is missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Correct the download JCL procedure or the JCL for the download job and rerun the download job.

CTWI04E OPEN OF ENTERPRISE/CS JOBS DOWNLOAD FILE FAILED. DDNAME "DWNJ OBS"

**Explanation:** The Enterprise Controlstation Download utility could not open the Download Jobs file (DD statement DWNJ OBS).

Possible causes are:
- The DWNJ OBS DD statement is missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Correct the download JCL procedure or the JCL for the download job and rerun the download job.

CTWI06E INSUFFICIENT STORAGE FOR THE ENTERPRISE/CS DOWNLOAD UTILITY

**Explanation:** The Enterprise Controlstation Download utility requires more storage in order to execute.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Increase the REGION size and rerun the download job.

CTWI07E DOWNLOAD INTERNAL ERROR TYPE *type*

**Explanation:** An internal error occurred during execution of the Enterprise Controlstation Download utility.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Have your INCONTROL administrator contact BMC Software Customer Support.

CTWI08E OPEN OF ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE FAILED. DDNAME "DAGROUP"

**Explanation:** The Control-M Application Server or Download utility is unable to open the Application-Group Definition file (DD statement DAGROUP). This may be due to one of the following:
The DAGROUP DD statement is missing.

The Control-M Application Server JCL procedure, or the download JCL procedure, or the JCL of the download job, has been modified.

The Control-M Application Server or Download utility continues executing, but without processing the applications.

**Corrective Action:** Correct the Control-M Application Server JCL procedure and restart the Control-M Application Server, or correct the download JCL procedure or the JCL for the download job and rerun the download job.

**CTWI09E** MAXIMUM APPLICATIONS IN ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE EXCEEDED. DDNAME "DAGROUP"

**Explanation:** The Control-M Application Server or Download utility is unable to process all the applications in the Application-Group Definition file (the DAGROUP DD statement). Too many applications were defined in the Application-Group Definition file.

The Control-M Application Server or Download utility continues executing, but processes only some of the applications.

**Corrective Action:** Check the Application-Group Definition file, and if it is correct, contact BMC Software Customer Support.

**CTWI10E** MAXIMUM GROUPS IN ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE EXCEEDED. DDNAME "DAGROUP"

**Explanation:** The Control-M Application Server or Download utility is unable to process all the groups in the Application-Group Definition file (the DAGROUP DD statement). Too many groups were defined in the Application-Group Definition file.

The Control-M Application Server or Download utility continues executing, but processes only some of the groups.

**Corrective Action:** Check the Application-Group Definition file, and if it is correct, contact BMC Software Customer Support.

**CTWI11E** INVALID STATEMENT IN ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE. DDNAME "DAGROUP"

**Explanation:** The Control-M Application Server or Download utility is unable to process a statement in the Application-Group Definition file (the DAGROUP DD statement). An invalid statement appeared in the Application-Group Definition file.

The Control-M Application Server or Download utility continues executing, but skips processing of the invalid instruction.

**Corrective Action:** Correct the syntax in the Application-Group Definition file, and restart the Control-M Application Server or rerun the Enterprise Controlstation Download utility.
CTWI14E OPEN OF ENTERPRISE/CS CONTROL RESOURCES DOWNLOAD FILE FAILED. DDNAME "DWNCNTRL"

**Explanation:** The Enterprise Controlstation Download utility could not open the Download Control Resources file (the DWNCNTRL DD statement). Possible causes are:

- The DWNCNTRL DD statement is missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Correct the download JCL procedure or the JCL for the download job and rerun the download job.

CTWI15E OPEN OF ENTERPRISE/CS QUANTITATIVE RESOURCES DOWNLOAD FILE FAILED. DDNAME "DWNQUANT"

**Explanation:** The Enterprise Controlstation Download utility is unable to open the Download Quantitative Resources file (the DWNQUANT DD statement).

Possible causes are:

- The DWNQUANT DD statement missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Correct the download JCL procedure or the JCL for the download job and rerun the download job.

CTWI50I BUILDING OF ECS COMMUNICATION DATASET STARTED

**Explanation:** This information message indicates that the Enterprise Controlstation Communication Dataset formatting utility started allocating and formatting the Enterprise Controlstation Communication Dataset file.

**Corrective Action:** No action is required.

CTWI51I BUILDING OF ECS COMMUNICATION DATASET ENDED

**Explanation:** This information message indicates that the Enterprise Controlstation Communication Dataset formatting utility completed allocation and formatting of the Enterprise Controlstation Communication Dataset file normally.

**Corrective Action:** No action is required.

CTWI52E BUILDING OF ECS COMMUNICATION DATASET FAILED

**Explanation:** The Enterprise Controlstation Communication Dataset formatting utility failed.

The utility fails.

**Corrective Action:** Look for an earlier error message that describes the type of error.
CTWI53E OPEN OF DDNAME DAM2G FAILED

**Explanation:** The Enterprise Controlstation Communication Dataset formatting utility failed to open the Enterprise Controlstation Communication Dataset file that is allocated to DD statement DAM2G. Possible causes are:

- The DAM2G DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

CTWI54E I/O ERROR OCCURRED WHILE BUILDING THE ECS COMMUNICATION DATASET

**Explanation:** An I/O error occurred in the Enterprise Controlstation Communication Dataset formatting utility while formatting the Enterprise Controlstation Communication Dataset file.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the file DCB parameters, and rerun the job. If necessary, contact BMC Software Customer Support.

CTWI55E THE SIZE OF SHOUT TO ECS COMMUNICATION DATASET IS NOT SET CORRECTLY

**Explanation:** An invalid value was specified on installation for the M2GSIZE parameter. The utility stops executing with a condition code of 08.

**Corrective Action:** Specify a valid value for the M2GSIZE parameter, and rerun the file creation process, as follows:

If this message was issued in a customized installation, do the following to set a valid value for the M2GSIZE parameter:

1. Open the IOA Installation and Customization Engine (ICE).
2. On the ICE Main Menu, select Installation.
3. On the IOA Installation screen, select Customized installation.
4. Set the Product ID to IOA, type 2 (INSTALL IOA) in the OPTION field, and press Enter.
5. Select Major Step 21 (Install Control-M Application Server), Minor Step 2 (Shout to Control-M/EM Parameters).
6. Change the value of the M2GSIZE parameter.

If this message was issued in a Default installation, save and exit the installation, change the value using the ICE Main Menu Customization option, run the job, and then return to the Default installation.

If this message was issued in a cloning installation, you first need to finish the cloning installation and then change the value using the ICE Main Menu Customization option. For more information, see the “Customizing INCONTROL products” section of the INCONTROL for z/OS Installation Guide.
CTWI56W SHOUT TO ECS COMMUNICATION DATASET OVERFLOWED. SOME MESSAGES MAY BE LOST.

Explanation: The number of Shout messages written to the Enterprise Controlstation Communication Dataset file exceeded the available space. The Enterprise Controlstation Communication Dataset file contains a fixed number of blocks determined by the M2GSIZE parameter. Each block may contain one Shout message. Each time a Shout message is read from the file, a block is freed. Messages are being written to the file faster than they are read.

Old messages in the file are overwritten by newer Shout messages.

Corrective Action: If this condition occurs regularly, increase the size of the Enterprise Controlstation Communication Dataset file.

Messages CTWJ 00 through CTWJ xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

CTWJ 01E UPD INTERNAL ERROR. TYPE type

Explanation: An internal error of the type type occurred during processing of the UPD subtask.

The Control-M Application Server shuts down.

Corrective Action: Contact BMC Software Customer Support.

CTWJ 02E OVERRUN OF THE UPDATE MESSAGES QUEUE. TRANSMISSION TOO SLOW OR NOT ENOUGH MEMORY

Explanation: The storage available for database update messages is full.

New database update messages have overwritten old messages that have not yet been sent. This may be due to a lack of memory or may happen when a large number (usually several thousand) of update messages have been accumulated without being sent, due to slow transmission of the messages.

Slow transmission may be due to one of the following:

- Communications bottleneck, such as inadequate communication bandwidth
- Mainframe bottleneck, such as high paging of the Control-M Application Server
- Workstation bottleneck, such as CPU overload

The Control-M Application Server shuts down.

Corrective Action: If an xxxJ07E message (for example, UPDJ07E) precedes this message, implement the User Action from that message. Otherwise, determine where the bottleneck is and resolve it.

CTWJ 03E ADD INTERNAL ERROR. TYPE type

Explanation: An internal error of the type type occurred during processing of the CTWADD subroutine.

The Control-M Application Server shuts down.

Corrective Action: Contact BMC Software Customer Support.
CTWJ 04E DEL INTERNAL ERROR. TYPE type
Explanation: An internal error of the type type occurred during processing of the CTWDEL subroutine. The Control-M Application Server shuts down.
Corrective Action: Contact BMC Software Customer Support.

CTWJ 05E READ INTERNAL ERROR. TYPE type
Explanation: An internal error of the type type occurred during processing of the CTWREAD subroutine. The Control-M Application Server shuts down.
Corrective Action: Contact BMC Software Customer Support.

CTWJ 06E LOCK OF UPD CHAIN FAILED. STD= std FUNC= func
Explanation: Locking of the update messages chain has failed. Access to the update messages chain is serialized by a locking mechanism. The number std subtask in the func function attempted to lock the chain several times but was unsuccessful. The Control-M Application Server shuts down.
Corrective Action: Contact BMC Software Customer Support.

CTWJ 07E GETMAIN FOR UPD MESSAGE FAILED. OLDEST MESSAGE(S) WILL BE DELETED
Explanation: The storage available for database update messages is full. New database update messages have overwritten old messages that have not yet been sent. This happens when a large number (usually several thousand) of update messages have been accumulated without being sent, due to slow transmission of the messages. Slow transmission may be due to one of the following:

- Communications bottleneck, such as inadequate communication bandwidth
- Mainframe bottleneck, such as high paging of the Control-M Application Server
- Workstation bottleneck, such as CPU overload

Storage space is made available for these messages by deleting the oldest message not yet sent. The Control-M Application Server continues processing. As long as there is a lack of storage space, old messages not yet sent will continue to be deleted to make room for new messages.
Corrective Action: Increase the storage space available by increasing the REGION size of the Control-M Application Server. If slow transmission is a problem, determine where the bottleneck is and resolve it.

CTWJ 08E MAXIMUM MESSAGES IN UPD CHAIN REACHED. OLDEST MESSAGE WILL BE DELETED
Explanation: The storage available for database update messages is full.
New database update messages have overwritten old messages that have not yet been sent. This happens when a large number (usually several thousand) of update messages have been accumulated without being sent, due to slow transmission of the messages.

Slow transmission may be due to one of the following:

- Communications bottleneck, such as inadequate communication bandwidth
- Mainframe bottleneck, such as high paging of the Control-M Application Server
- Workstation bottleneck, such as CPU overload

Storage space is made available for these messages by deleting the oldest message not yet sent. The Control-M Application Server continues processing. As long as there is a lack of storage space, old messages not yet sent will continue to be deleted to make room for new messages.

**Corrective Action:** Determine where the bottleneck is and resolve it.

**CTWJ 50I CTWUPD STARTED**

**Explanation:** This information message indicates that the Control-M Application Server started the CTWUPD subtask.

**Corrective Action:** No action is required.

**CTWJ 51I LOGICAL CONNECTION IS SUSPENDED WHILE THE ACTIVE JOBS FILE IS BEING FORMATTED**

**Explanation:** This information message indicates that the logical connection between the Control-M Application Server and the Workstation Gateway is temporarily suspended, because the Active Jobs file is currently being formatted.

The workstation database is not up-to-date, and no requests issued by the Enterprise Controlstation Control Application will be handled, until the format of the Active Jobs file is completed.

**Corrective Action:** No action is required.

**CTWJ 52I LOGICAL CONNECTION RESUMED**

**Explanation:** This information message indicates that the logical connection between the Control-M Application Server and the Workstation Gateway has been resumed.

The workstation database may now request synchronization, and other requests issued by the Enterprise Controlstation Control Application will now be handled.

**Corrective Action:** No action is required.

**CTWJ 58E DATABASE UPDATES SENT TO THE WORKSTATION GATEWAY HAVE NOT BEEN CONFIRMED IN TIME**

**Explanation:** The Control-M Application Server sent database updates to the Enterprise Controlstation Workstation Gateway, but did not receive confirmation for them in time.

This error message is issued by the Control-M Application Server and is due to one of the following:
The Workstation Gateway has stopped responding, due to an error condition in the software or hardware.

Responses are delayed because of poor performance.

**Corrective Action:** Check if the workstation is hanging and if there are any error messages at the workstation which indicate the cause of the problem. If the workstation is not hanging, there must be some performance bottleneck in the system. Try to determine whether this bottleneck is at the workstation side, in the communication media, or at the mainframe.

**CTWJ 59E CONFIRMATION SEQUENCE NUMBER ERROR. EXPECTED= exp_num RECEIVED= rcv_num**

**Explanation:** The Control-M Application Server has received an out of sequence confirmation of a database update.

This error message is issued by the Control-M Application Server. The Mainframe Gateway expects to receive confirmations for database updates in increasing order, but a confirmation with a sequence number of `rcv_num` has been received, when a confirmation with a sequence number of at least `exp_num` was expected.

The Control-M Application Server continues executing.

**Corrective Action:** Contact BMC Software Customer Support.

**CTWJ 60E DATA BASE UPDATE TYPE msgType HAS BEEN REJECTED BY THE WORKSTATION GATEWAY**

**Explanation:** The Enterprise Controlstation gateway rejected a message of the `msgType` type from the Control-M Application Server.

This message is issued each time a database update message is rejected by the Enterprise Controlstation gateway.

Valid values for `msgType` are:

<table>
<thead>
<tr>
<th>msgType</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Update of full Active Jobs file record.</td>
</tr>
<tr>
<td>B</td>
<td>Short update of an Active Jobs file record.</td>
</tr>
<tr>
<td>N</td>
<td>New job that was added to the Active Jobs file.</td>
</tr>
<tr>
<td>O</td>
<td>Update of full Active Jobs file record.</td>
</tr>
<tr>
<td>X</td>
<td>Update of only the fixed part of an active jobs.</td>
</tr>
<tr>
<td>C</td>
<td>Condition update.</td>
</tr>
<tr>
<td>R</td>
<td>Control resource update.</td>
</tr>
</tbody>
</table>
The gateway continues processing. Rejected database updates rejected are written to the file referenced by the DASNAP DD statement.

**Corrective Action:** Look for error messages on the workstation side and correct the problem accordingly. Review the rejected database updates in the file referenced by DASNAP.

## CVI Messages

This group includes messages for the Control-V product.

### Messages CVIG00 through CVIGxx

This group includes messages for the Control-V product.

**CVIGC0S INTERNAL ERROR IN CONVERSION PROGRAM**

**Explanation:** An internal error occurred when converting index records from VSAM into IOA Access Method records. The error occurred during the transfer of internal parameters.

The database conversion utility terminates with an error. The VSAM file is not converted into an IOA Access Method file.

**Corrective Action:** Supply BMC Software Customer Support with the sysout of the conversion job.

**CVIGC1E CLOSE OF INDEX FILE fileName FAILED**

**Explanation:** An internal error occurred when converting index records from VSAM into IOA Access Method records. The conversion utility was unable to close an index file.

The database conversion utility terminates with an error. The VSAM file is not converted into an IOA Access Method file.

**Corrective Action:** Supply BMC Software Customer Support with the sysout of the conversion job and the name of the index file identified in the message.

**CVIGC5S INTERNAL ERROR - FREEMAIN ERROR. RC = rc**

**Explanation:** The FREEMAIN macro failed to free space that is controlled by GETMAIN.

The executing program may stop. The system response varies with the environment that issued the message.

**Corrective Action:** Contact BMC Software Customer Support.
CVI GC6E INSUFFICIENT MEMORY - GETMAIN ERROR. RC = rc

**Explanation:** There is not enough memory to convert a VSAM file into an IOA Access Method file. The database conversion utility terminates with an error. The VSAM file is not converted into an IOA Access Method file.

**Corrective Action:** Increase the region size and rerun the utility.
This group includes messages for the Control-M for z/OS, Control-M/Analyzer, Control-D, Control-O, Control-V, and IOA products.

DAS messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages DAS600 through DAS6xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

DAS613I DELETE OF ARCHIVED SYSOUTS STARTED

**Explanation:** This information message indicates that the New Day procedure started deleting archived SYSDATA sysouts.

**Corrective Action:** No action is required.

DAS614I DELETE OF ARCHIVED SYSOUTS ENDED

**Explanation:** This information message indicates that the New Day procedure finished deleting archived SYSDATA sysouts.

**Corrective Action:** No action is required.

DAS615W DELETION OF num ARCHIVED SYSOUT DATASET(S) FAILED

**Explanation:** Some Archived Sysout Data Sets were not deleted by the Control-M New Day procedure or during compression of the Control-M Active Jobs file.

This message follows other messages that explain the nature of the error for each archived sysout data set.

The New Day procedure or CTMCOP utility continues processing.

**Corrective Action:** See the messages that precede this message for the reasons for deletion failure.

DAS616E INVALID CARD IN THE "DASCRLST" FILE - data

**Explanation:** During deletion of unneeded SYSDATA, a record describing archived SYSDATA contained invalid information. Control-M creates records with data describing SYSDATA to be deleted.

This record is skipped. Processing continues.
Corrective Action: Save the console and job output listing, and contact BMC Software Customer Support for assistance.

DAS617I  dsn ARCHIVED DATASETS DELETED
Explanation: This information message indicates that the FORMAT or COPY process deleted SYSDATA files.
Corrective Action: No action is required.

Messages DASL00 through DASLxx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

DASL71E INVALID RECORD FOUND ON AJF - FILE USAGE VERIFICATION SKIPPED
Explanation: The CDAM file deletion utility detected an invalid record type when verifying the CDAM records in the Active Jobs file (AJF). Before deleting a CDAM file, the CDAM file deletion utility verifies that the file names in the JOBLIST file are not referenced by any jobs in the AJF.
Verification of the AJF is aborted, and deletion of CDAM files proceeds based on previous checks of the AJF.
Corrective Action: Check the integrity of the AJF with the IOAVERFY utility.

DCI messages
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages DCI D00 through DCI Dxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

DCI DA0I  CTDCI TSB PROCESSING ERROR: EIBFN= func EIBRCODE= err
Explanation: This information message indicates that the CTDCI TSB program failed due to an internal error. The CTDCI TSB program builds a temporary storage queue containing data from input CDAM files for transfer to a PC using the CICS 3270-PC file Transfer Program.
Where the error is a result of an EXEC CICS command, func indicates the function code and err indicates the error code.
The CTDCI TSB program stops executing and a CICS transaction dump is produced.
Corrective Action: Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, have your CICS system programmer contact BMC Software Customer Support.
INCONTROL for z/OS Messages Manual

DCIDA11  CTDCITSB PROGRAM ABEND: ABEND= *abend*

**Explanation:** This information message indicates that the CTDCITSB program failed due to an internal error. The CTDCITSB program builds a temporary storage queue containing data from input CDAM files for transfer to a PC using the IBM CICS 3270-PC file Transfer Program. This message indicates a program check, and *abend* indicates the CICS abend code.

The CTDCITSB program stops executing and a CICS transaction dump is produced.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, have your CICS system programmer contact BMC Software Customer Support.

DCIDA21  INVALID INPUT DATA LENGTH

**Explanation:** This information message indicates that the CTDCITSB program detected an error in the input data while processing input data for transaction DPCT. The correct format for data for transaction DPCT is DPCT *dsn*, where *dsn* is the name of the CDAM file to be transferred to the PC.

The CTDCITSB program stops executing.

**Corrective Action:** Verify that in the GOTOCICS.SCR script file, the DPCT transaction is correctly specified, and that a valid data set name is included in the data. If you cannot determine the cause of the error, have your CICS system programmer contact BMC Software Customer Support for assistance.

DCIDA31  INVALID INPUT DATA SPECIFIED

**Explanation:** This information message indicates that the CTDCITSB program detected an error in the input data while processing input data for the DPCT transaction. The correct format for data for the DPCT transaction is DPCT *dsn*, where *dsn* is the name of the CDAM file to be transferred to the PC.

The CTDCITSB program stops executing.

**Corrective Action:** Verify that in the GOTOCICS.SCR script file, the DPCT transaction is correctly specified, and that a valid data set name is included in the data. If you cannot determine the cause of the error, have your CICS system programmer contact BMC Software Customer Support for assistance.

DCIDA41  DDNAME= *ddName* NOT DEFINED IN FCT

**Explanation:** This information message indicates that the CICS FCT does not contain an entry DD name that can be used by the CTDCITSB program to read the CDAM file in order to set up Control-D/WebAccess Server file transfer.

The CTDCITSB program allocates the CDAM file in CICS using the DD name convention specified by *ddName*. The allocated file is then read, using standard CICS BDAM file access. Therefore, an entry must exist in the CICS FCT for the CDAM files.

The CTDCITSB program stops executing.

**Corrective Action:** Define at least one FCT entry in the format indicated by *ddName*, where the first five characters are a fixed prefix, followed by three digit numbers in ascending order, beginning with 000. For a full description of the required FCT definitions, see the $$DOCDPC member in the IOA CICSSAMP library.
DCIDA5I CONCURRENT USER LIMIT REACHED - TRY LATER

**Explanation:** This information message indicates that the maximum number of CICS FCT entries defined for Control-D/WebAccess Server file transfer was reached. The CTDCITSB program attempted to initiate a file transfer session, but found that there were no file transfer FCT entries available for use.

The CTDCITSB program stops executing.

**Corrective Action:** Wait until the current file transfer sessions have ended. If more concurrent sessions are required, contact your CICS system programmer for assistance.

DCIDA6I FILE IS DISABLED - CANNOT BE ACCESSED

**Explanation:** This information message indicates that the CDAM file allocated by the CTDCITSB program to a DD name defined in the CICS FCT file for Control-D/WebAccess Server file transfer was disabled, and could not be opened for processing.

The CTDCITSB program stops executing.

**Corrective Action:** Make sure that all FCT entries used for Control-D/WebAccess Server file transfer are enabled.

DCIDA7I SECURITY AUTHORIZATION REQUIRED FN= func

**Explanation:** This information message indicates that the CTDCITSB program could not perform the `func` function because the necessary security authorization was not available.

The CTDCITSB program stops executing.

**Corrective Action:** Contact your CICS system programmer to define the correct security level in the CICS PCT entry of the DPCT and DPCC transactions using the RSL parameter.

DCIDA8I I/O ERROR OCCURRED DURING FILE ACCESS

**Explanation:** This information message indicates that an I/O error occurred while attempting to read a CDAM file. This error message is issued by the CTDCITSB program, while it is reading a CDAM file in preparation for transfer to the PC.

The CTDCITSB program stops executing.

**Corrective Action:** Verify that the file being accessed is a CDAM file and that the contents of the file have not been corrupted. If possible, correct the problem. If the error persists, have your CICS system programmer contact BMC Software Customer Support.

DCIDA9I I/O ERROR ON TEMPORARY STORAGE FILE

**Explanation:** This information message indicates that an I/O error occurred while attempting to write to the CICS Temporary Storage file. This error message is issued by the CTDCITSB program, which writes the data from a CDAM file to CICS Temporary Storage in preparation for transfer to the PC.

Possible causes are:
INCONTROL for z/OS Messages Manual

- invalid record size
- CICS customization error
- file corruption

The CTDCITSB program stops executing.

**Corrective Action:** Check the status of the Temporary Storage file, and, if possible, correct the problem. If the error persists, contact BMC Software Customer Support.

**DCIDB0I** NO SPACE ON TEMPORARY STORAGE FILE

**Explanation:** This information message indicates that a NOSPACE condition occurred during an attempt to write to the CICS Temporary Storage file. This error message is issued by the CTDCITSB program, which writes the data from a CDAM file to CICS Temporary Storage in preparation for transfer to the PC.

The CTDCITSB program stops executing.

**Corrective Action:** Delete unnecessary records from the Temporary Storage file or increase the file size.

**DCIDB1I** FILE PROCESSING COMPLETE

**Explanation:** This information message indicates that the CDAM file was successfully placed in Temporary Storage. It is now ready for transfer to the PC by means of the CICS 3270-PC file Transfer Program.

**Corrective Action:** No action is required.

**DCIDB2I** QUEUE DELETION PROCESSING COMPLETE

**Explanation:** This information message indicates that transaction DPCC has successfully deleted the Temporary Storage Queue used for transferring the CDAM file to the PC.

**Corrective Action:** No action is required.

**DCIDB3I** ERROR INVOKING DYNAMIC ALLOCATION SUBTASK. INLINE SVC WILL BE USED

**Explanation:** This information message indicates that an error occurred during an ATTACH of a dynamic allocation subtask. The CTDCITSB program, which writes the data from a CDAM file to CICS Temporary Storage in preparation for transfer to the PC, issues this message.

The dynamic allocation SVC is invoked from the CTDCITSB mainline program.

**Corrective Action:** Check the CICS job log for any additional messages. If the cause of the error cannot be determined, have your CICS system programmer contact BMC Software Customer Support for assistance.

**DCIDB4I** DYNAMIC ALLOCATION ERROR= rc error reason

**Explanation:** This information message indicates that the CTDCITSB program attempted to allocate a CDAM file in CICS. However, an error occurred during file allocation processing. The specified return code (rc), error, and reason are produced by the dynamic allocation routine.

The CTDCITSB program stops executing.
Corrective Action: For an explanation of the return codes, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*. Contact your CICS system programmer for assistance if necessary.

DCI DB5 I  DYNAMIC UNALLOCATION ERROR= rc err rsn

Explanation: This information message indicates that the CTDCITSB program attempted to deallocate a CDAM file in CICS. However, an error occurred during file deallocation processing. The specified return code (rc), err, and rsn are produced by the dynamic allocation routine.

The CTDCITSB program stops executing.

Corrective Action: For an explanation of the return codes, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*. Contact your CICS system programmer for assistance if necessary.

DCI DB6 I  FILE OPEN ERROR: EIBFN= func EIBRCODE= errCode

Explanation: This information message indicates that an error occurred while attempting to open a CDAM file allocated to CICS. This error message is issued by the CTDCITSB program, which writes the data from a CDAM file to CICS Temporary Storage in preparation for transfer to the PC.

The CTDCITSB program stops executing.

Corrective Action: Check the appropriate CICS manual for an explanation of error errCode for function func. If the cause of the error cannot be determined, have your CICS system programmer contact BMC Software Customer Support.

DCI DB7 I  FILE CLOSE ERROR: EIBFN= func EIBRCODE= errCode

Explanation: This message indicates that an error occurred while attempting to close a CDAM file allocated to CICS. This error message is issued by the CTDCITSB program, which writes the data from a CDAM file to CICS Temporary Storage in preparation for transfer to the PC.

The CTDCITSB program stops executing.

Corrective Action: Check the appropriate CICS manual for an explanation of the errCode error for the func function. If the cause of the error cannot be determined, have your CICS system programmer contact BMC Software Customer Support for assistance.

DCI DB8 I  UNABLE TO LOAD CTDPARM

Explanation: This information message indicates that the CTDCITSB program failed to load CTDPARM, because CTDPARM was disabled or was not defined in the CICS PPT. The CTDCITSB program builds the Temporary Storage Queue containing data from input CDAM files for transfer to a PC using the IBM CICS 3270-PC file Transfer Program. CTDCITSB attempted to load the module because it requires some data from CTDPARM.

The CTDCITSB program stops executing.

Corrective Action: Check that the CTDPARM program is enabled, and that it is correctly defined in the CICS PPT. For more information, refer to the installation instructions in the IOA CICSSAMP library.
DCIDB9I TRANSACTION transid NOT RECOGNIZED

**Explanation:** This information message indicates that transaction *transid* is not recognized by the CTDCITSB program. The CTDCITSB program builds a temporary storage queue containing data from input CDAM files for transfer to a PC using the IBM CICS 3270-PC file Transfer Program.

The CTDCITSB program stops executing.

**Corrective Action:** Check that the correct transactions are defined for the CTDCITSB program. The required transactions are DPCT and DPCC. For more information, refer to the installation instructions in the IOA IC CSSAMP library.

**DDI messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages DDIG00 through DDIGxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**DDIG01I UTILITY CTDDIG STARTED**

**Explanation:** This information message indicates that the CTDDIG utility started normally.

The CTDDIG utility checks the integrity of the following types of User Report List files:

- Active
- Permanent
- History
- Migration

**Corrective Action:** No action is required.

**DDIG02E ERROR DETECTED IN func RC= rc DURING ACCESS TO IOA ACCESS METHOD FILE**

**Explanation:** The CTDDIG utility detected an internal error while accessing the IOA Access Method (IAM) file.

In this message, *func* is the function that was executing when the error occurred.

The requested function func is not performed.

**Corrective Action:** Note the values of *func* and *rc* and contact BMC Software Customer Support.

**DDIG03I file INDEX ENTRY DETECTED WITHOUT DATA RECORD**

**Explanation:** While checking the integrity of the User Report List file, the CTDDIG utility found an index record without a corresponding data record.
In this message, file is name of the IOA Access Method component.
The problematic index record is printed out.

**Corrective Action:** Rebuild the index of the User Report List file.

**DDI G04I INDEX ENTRY DOES NOT MATCH DATA RECORD.**

**Explanation:** The CTDDIG utility reads the User Report List file to determine if either a data record exists without an index to this record, or an index record exists without a corresponding data record. If such a index or data record is found, this message is issued.
The problematic index and data records are printed out.

**Corrective Action:** Rebuild the index of the User Report List file.

**DDI G05I DATA RECORD DETECTED WITHOUT file INDEX**

**Explanation:** While checking the integrity of the User Report List file, the CTDDIG utility found a data record without a corresponding index record.

In this message, file is name of the IOA Access Method component.
The problematic data record is printed out.

**Corrective Action:** Rebuild the index of the User Report List file.

**DDI G06I UTILITY CTDDIG ENDED.**

**Explanation:** This information message indicates that the CTDDIG utility ended.

**Corrective Action:** No action is required.

**DDI G07E ERROR DETECTED IN func RC= rc DURING ACCESS TO IOA ACCESS METHOD FILE**

**Explanation:** The CTDDIG utility detected an internal error while accessing the IOA Access Method (IAM) file.

In this message, func is the function that was executing when the error occurred.
The requested function (func) is not performed.

**Corrective Action:** Note the values of func and rc and contact BMC Software Customer Support.

**DDI G09S INVALID VALUE IN PARAMETER DBFILE. VALID VALUES ARE: ACT, PRM, HST, MIG, MG1-MG9.**

**Explanation:** An attempt has been made to run the CTDDIG utility when the DBFILE parameter value was invalid or missing.
The DBFILE parameter in the CTDDIG utility must be set to one of the following values:
The CTDDIG utility terminates.

Corrective Action: Insert the appropriate valid value in the DBFILE parameter and rerun the utility.

DDI.G0AI DUPLICATE RECORD FOUND IN file DATA FILE

Explanation: This information message indicates that a duplicate record has been found in the data file. In this message, file is name of the IOA Access Method component.

Duplication of a record in the data file may be the result of a computer malfunction. The problematic record is printed out. The CTDDIG utility continues processing.

Corrective Action: No action is required.

DDI.G0CE INVALID PARAMETER, VALID MODE PARAMETER: TEST, TESTMRK OR CHANGE

Explanation: A MODE parameter error was detected for the CTDDIG utility. The CTDDIG utility terminates with a condition code of 28.

Corrective Action: Correct the JCL and rerun the job. The MODE parameter in the CTDDIG utility must be set to one of the following values:

- TEST - Messages are issued about detected problems, but errors are not fixed. Default.
- TESTMRK - Messages are issued about detected problems, but errors are not fixed. If no errors are detected, all alternative index components are marked as ready to use.
- CHANGE - Messages are issued and errors are fixed. If no errors are detected, all alternative index components are marked as ready to use.

DDI.G10I NUMBER OF RECORDS READ FROM DATA FILE= num

Explanation: This information message indicates that the CTDDIG utility read num records from the IOA Access Method data file.

Corrective Action: No action is required.

DDI.G11I NUMBER OF INDEXES READ FROM INDEX file FILE= num

Explanation: This information message indicates that the CTDDIG utility read num records from the IOA Access Method index file. In this message, file is name of the IOA Access Method component.

Corrective Action: No action is required.
DDIG12I NUMBER OF DUPLICATE RECORDS IN file DATA FILE= num

Explanation: This information message indicates that the CTDDIG utility found num duplicate records in the IOA Access Method data file.

In this message, file is name of the IOA Access Method component.

Corrective Action: No action is required.

DDIG13I NUMBER OF RECORDS DELETED FROM file DATA FILE= num

Explanation: This information message indicates that the CTDDIG utility deleted num records from the IOA Access Method data file.

In this message, file is name of the IOA Access Method component.

Corrective Action: No action is required.

DDIG14I NO ERRORS DETECTED.

Explanation: This information message indicates that the CTDDIG utility ended with no errors detected.

Corrective Action: No action is required.

DDIG15I NUMBER OF INDEXES TO BE UPDATED IN file FILE= num

Explanation: This information message indicates that the CTDDIG utility found in the IOA Access Method index file num records that are to be updated.

In this message, file is name of the IOA Access Method component.

Corrective Action: No action is required.

DDIG16I NUMBER OF INDEXES TO BE DELETED FROM file FILE= num

Explanation: This information message indicates that the CTDDIG utility found num records that are to be deleted from the IOA Access Method index file.

In this message, file is name of the IOA Access Method component.

Corrective Action: No action is required.

DDIG17I NUMBER OF INDEXES TO BE ADDED TO file FILE= num

Explanation: This information message indicates that the CTDDIG utility found num records that are to be added to the IOA Access Method index file.

In this message, file is name of the IOA Access Method component.

Corrective Action: No action is required.

DDIG18I file INDEX IS MARKED AS READY TO USE

Explanation: This information message indicates that the CTDDIG utility checked or repaired, or both, the alternative index component and marked it as ready to use in a report list search.

In this message, file is the name of an IOA Access Method component.
Corrective Action: No action is required.

DDR messages

This group includes messages for the IOA (infrastructure) product.

Messages DDRJ 00 through DDRJ xx

This group includes messages for the IOA (infrastructure) product.

DDRJ 81I UTILITY IOADDR STARTED

Explanation: This information message indicates that IOADDR utility started.
Corrective Action: No action is required.

DDRJ 82I UTILITY IOADDR ENDED

Explanation: This information message indicates that the IOADDR utility ended.
Corrective Action: No action is required.

DDRJ 83S INVALID PARAMETER SPECIFICATION

Explanation: The parameter passed to the IOADDR utility was either invalid or missing. The IOADDR utility terminates.
Corrective Action: Verify that a valid DSNAME was passed as a parameter to the IOADDR utility.

DDRJ 84S OPEN OF FILE "SYSPRINT" FAILED

Explanation: Opening of the print file failed.
Possible causes are:
  ▪ The SYSPRINT DD statement is missing from the step.
  ▪ The file allocated to the SYSPRINT DD statement is not a valid print file.
The IOADDR utility terminates.
Corrective Action: Correct the JCL for the IOADDR utility so that it contains a valid SYSPRINT DD statement.

DDRJ 85S OPEN OF CONTROL FILE FAILED. DDNAME " ddName "

Explanation: The IOADDR utility failed to open one of its control files.
The IOADDR utility terminates.
Corrective Action: Correct the JCL for the IOADDR utility so that it has a correct control member allocated to it.
DDRJ 86S ALLOCATION FOR MEMBER \textit{memName} LIBRARY \textit{lib} FAILED

\textbf{Explanation:} Allocation of the specified member failed because the member does not exist in the specified library or is inaccessible.

The IOADDR utility terminates.

\textbf{Corrective Action:} Verify that the \texttt{@IDCNTL} control member contains a valid library and member name for each user.

DDRJ 87S ALLOCATION FOR TABLE FAILED

\textbf{Explanation:} Allocation of one of the IOADDR members failed, because one of the members pointed to by \texttt{@IDCNTL} does not exist or is inaccessible.

The missing member is skipped. Processing continues for the following members.

\textbf{Corrective Action:} Verify that the \texttt{@IDCNTL} control member contains a valid library and member name for each user.

DDRJ 88S BAD OP-CODE "\textit{op\_code}" 

\textbf{Explanation:} A user table contained an invalid operation code.

The event definition with the bad OP-CODE is skipped. Processing continues with the following entries.

\textbf{Corrective Action:} Prepare the Control-M monitor full output and contact BMC Customer Support.

DDRJ 89S LOAD FAILED FOR MEMBER "\textit{memName}" 

\textbf{Explanation:} Load of one of the IOA modules failed.

The IOADDR utility terminates.

\textbf{Corrective Action:} Verify that your STEPLIB DD statement points to the IOA LOAD library.

DDRJ 8AW NO TRIGGERED EVENTS MATCHED TRIGGER \textit{dsn}

\textbf{Explanation:} A CONNECT DIRECT request \textit{dsn} did not match any of the triggered events specified in the \texttt{@@IDCNTL} event lists.

No further action is taken in respect of this CONNECT DIRECT request.

\textbf{Corrective Action:} Check whether any trigger event in the event lists specified in the \texttt{@@IDCNTL} parameter member matches the trigger \textit{dsn}. If you wish, add a trigger event that matches the \textit{dsn}, then repeat the CONNECT DIRECT request.

DDRJ 8BW NO SUCCESSFULLY TRIGGERED EVENTS WERE PROCESSED FOR TRIGGER \textit{dsn}

\textbf{Explanation:} During the processing of a CONNECT DIRECT request, no triggered events were successfully processed.

If a file-in-use condition occurs during the execution of a CONNECT DIRECT request, Control-M may try again to execute it, depending on the values set for the \texttt{FORCE#RT} and \texttt{FORCE#WI} installation parameters.
For more information on the FORCE#RT and FORCE#WI installation parameters, see the customization chapter of the *INCONTROL for z/OS Installation Guide*.

**Corrective Action:** No action is required.

**DDRJ 90S ACCESS RC= rc FOR LIBRARY lib MEMBER memName**

**Explanation:** An error occurred in the IOADDR utility when reading the *memName* member from the *lib* PDS library. The return code (*rc*) describes the reason for the error.

Possible return codes are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Premature end of file.</td>
</tr>
<tr>
<td>8</td>
<td>Storage allocation error.</td>
</tr>
<tr>
<td>12</td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td>Data set name is not the name of a PDS library.</td>
</tr>
<tr>
<td>20</td>
<td>Data set is not a fixed format dataset.</td>
</tr>
<tr>
<td>24</td>
<td>Logical record length of the file is not 80.</td>
</tr>
<tr>
<td>28</td>
<td>Data set in use.</td>
</tr>
<tr>
<td>32</td>
<td>Internal error.</td>
</tr>
<tr>
<td>36</td>
<td>Data set is not cataloged.</td>
</tr>
<tr>
<td>40</td>
<td>Data set allocation failed.</td>
</tr>
<tr>
<td>44</td>
<td>Invalid request.</td>
</tr>
<tr>
<td>48</td>
<td>Internal error.</td>
</tr>
<tr>
<td>52</td>
<td>Error accessing the directory.</td>
</tr>
</tbody>
</table>

The entry that caused the error is skipped.

**Corrective Action:** Correct the cause of the error, and retry the operation. In case of an internal error, supply BMC Software Customer Support with a copy of the input file and the parameters specified for the IOADDR utility.

**DDRJ 91S INSUFFICIENT STORAGE FOR PROCESS**

**Explanation:** The IOADDR utility failed to allocate storage for its operation.

The IOADDR utility terminates.
Corrective Action: Increase the REGION size.

DDRJ 92S JOB jobName NOT FOUND IN TABLE tableName OF LIB lib

Explanation: A request to order a job could not be fulfilled because the job did not exist in the scheduling table.

The event definition pointing to the missing job is skipped. Processing continues with the subsequent entries.

Corrective Action: Add the missing definition to the specified scheduling table.

DDRJ 93S BAD DATE date SPECIFIED

Explanation: The order date specified in the event definition is invalid.

The event definition with the bad date is skipped. Processing continues with the subsequent entries.

Corrective Action: Correct the date in the event definition.

DDRJ 94I USER: userId TABLE: tableName LIBRARY: lib

Explanation: This information message completes a preceding message stating the reason for the error.

Corrective Action: Use this information to locate the cause of the error.

DDRJ 9CE QNAME TABLE ENTRY ERROR. FLAG= num STC= stcName STR= structName LSN= logStreamName HLQ= hiLevelQualifier

Explanation: The IOADDC program found an invalid entry in the QNAME table for the QNAME specified by the IOADDC request.

The variables in this message are:

- num - a hexadecimal number representing the communication vehicle used to transfer the IOADDC input trigger to Control-MPossible values are:
  - 40 - use the MVS system logger
  - 20 - call the IOADR routine directly
- stcName - the name of the started task
- structName - the name of the CF structure
- logStreamName - the name of the log stream
- hiLevelQualifier - the high-level qualifier of the log stream file

The IOADDC request is aborted.

Corrective Action: Rerun the IOADDI job for the specified IOA installation, and verify that it was successful.
**DDRJ9DE cbName CONTROL BLOCK NOT FOUND - DATA SET TRIGGERING REQUEST ABORTED**

**Explanation:** The IOADDC program was unable to find the `cbName` system-wide control block. The IOADDC request is aborted.

**Corrective Action:** Run the IOADDI job for each IOA installation that requires it.

**DDRJ9EE qName QNAME TABLE ENTRY NOT FOUND - DATA SET TRIGGERING REQUEST ABORTED**

**Explanation:** The IOADDC program was unable to find an entry in the QNAME table that matched the `qName` QNAME. The IOADDC request is aborted.

**Corrective Action:** Rerun the IOADDI job for the specified IOA installation, and verify that it was successful.

**DDRJ A11 IOADDS: dsn**

**Explanation:** This information message indicates that the IOADDC utility was activated in an environment with no authorization to issue modify commands to the IOADDS started task. It can be used to issue a MODIFY command to IOADDS by a console automation product, such as Control-O.

Execution continues.

**Corrective Action:** If you have already defined this message to your console automation software, no intervention is required. Otherwise, make sure either that IOADDC is activated in an APF-authorized environment, or that measures have been taken to handle this message.

**DDRJ A2S IOADDS FUNCTIONAL SERVER IS NOT OPERATIONAL. DATASET TRIGGERING REQUESTS MAY BE LOST.**

**Explanation:** The IOADDS started task was not operational during an IOADDC-related data set event. The IOADDC utility attempted to start the IOADDS started task automatically, but IOADDS was not initialized.

The event that triggered this action is not processed.

**Corrective Action:** Check the output of the IOADDS utility. It should point to the problem which prevented the initialization. Proceed accordingly.

**DDRJ A31 AJF IS BEING FORMATTED. IOADDS WILL WAIT TILL FORMAT FINISHES.**

**Explanation:** The CONNECT DIRECT interface module has attempted to order a job as a result of a user request but the AJF is currently being formatted.

The interface module waits until the formatting has completed and then retries the request.

**Corrective Action:** No action is required.
**DDRJ A4S SYSPLEX TABLE MISSING - DATA SET TRIGGERING REQUEST ABORTED**

**Explanation:** The CONNECT DIRECT interface module has attempted to read the Sysplex table and failed.

Possible causes are:
- The Sysplex table is not in the PARM library
- The Sysplex table has an invalid internal format.

The interface module aborts the request.

**Corrective Action:** Do one of the following, then retry the request:
- If the Sysplex table is not in the PARM library, determine why, and correct the problem.
- If the internal format of the Sysplex table is invalid, correct the problem.

**DDRJ A5S CMMPLEX TABLE MISSING - DATA SET TRIGGERING REQUEST ABORTED**

**Explanation:** The CONNECT DIRECT interface module has attempted to read the CMMPLEX table and failed.

Possible causes are:
- The CMMPLEX table is not in the PARM library.
- The CMMPLEX table has an invalid internal format.

The interface module aborts the request.

**Corrective Action:** Do one of the following, then retry the request:
- If the CMMPLEX table is not in the PARM library, determine why, and correct the problem.
- If the internal format of the CMMPLEX table is invalid, correct the problem.

**DDRJ A6E SYSTEM LOGGER REQUEST log_req FAILED: R15= r15 RETURN= rc REASON= rsn**

**Explanation:** One of the following System Logger requests failed:
- `DEFCFS, IXGINVNT` (define the coupling facility structure)
- `DEFLGS, IXGINVNT` (define the log stream)
- `CONLGS, IXGCONN` (connect to the log stream)
- `WRITEL, IXGWRITE` (write a log stream log block)
- `DISLGS, IXGCONN` (disconnect from log stream)
- `DELLGS, IXGINVNT` (delete the log stream)
- `DELCFS, IXGINVNT` (delete coupling facility structure)

`r15` has one of the following values:
08 - minor System Logger request error
12 - intermediate System Logger request error
16 - major System Logger request error
20 - permanent System Logger request error
28 - operating system does not support System Logger interface

For information about the System Logger request that failed (log_req), and the return and reason codes (r15, rc and rsn), see the IBM manual MVS Programming: Assembler Services Reference.

Corrective Action: No action is required.

DDRJ A7E NAME/TOKEN SERVICES REQUEST serviceRequest FAILED: R15 = r15

Explanation: One of the following MVS name or token services requests failed:
- CREATE, IEANTCR (name or token create)
- RETRIEVE, IEANTRT (name or token retrieve)
- DELETE, IEANTDL (name or token delete)

For information about the service request that failed (serviceRequest), and the return code (r15), see the IBM manual MVS Programming: Assembler Services Reference.

Corrective Action: No action is required.

DDRJ A8E PARAMETER (DATA SET NAME) LENGTH ERROR - DATA SET TRIGGERING REQUEST ABORTED

Explanation: The data set name used as a CONNECT DIRECT interface trigger was either not specified, or longer than 44 characters.

The interface module aborts the request.

Corrective Action: Set the data set name trigger to a value comprised of 44 characters or less, and retry the request.

DDRJ A9S IOACPRM TABLE MISSING - DATA SET TRIGGERING REQUEST ABORTED

Explanation: The CONNECT DIRECT interface module has attempted to read the IOACPRM table and failed.

Possible causes are:
- The IOACPRM table is not present in the PARM library
- The table has an invalid internal format.

The interface module aborts the request.

Corrective Action: Do one of the following, then retry the request:
If the IOACPRM table is not in the PARM library, determine why, and correct the problem.
If the internal format of the IOACPRM table is invalid, correct the problem.

**DDRJAAS SYSTEM LOGGER INTERFACE NOT ENABLED BY USER - DATA SET TRIGGERING REQUEST ABORTED**

**Explanation:** The system logger interface was not enabled in the IOACPRM table.
The interface module aborts the request.
**Corrective Action:** Set the value of SYSTLOGR in the IOACPRM table to Y.

**DDRJABW SYSTEM LOGGER INTERFACE NOT OPERATIVE - DATA SET TRIGGERING REQUEST PROCESSED BY IOADDR**

**Explanation:** The System Logger interface is not enabled (the SYSTLOGR parameter value in the IOACPRM parm member is set to 'N') so IOADDI cannot pass the data set name argument to Control-M by the System Logger.
Instead of passing the data set name argument to Control-M using the System Logger, IOADDI directly calls to IOADDR to trigger the corresponding data set event. For more information, see the Control-M chapter in the INCONTROL for z/OS Installation Guide.
**Corrective Action:** If required, set up the System Logger interface. For information on setting up the System Logger, see the Control-M chapter in the INCONTROL for z/OS Administration Guide.

**DDRJA CI qName QNAME TABLE ENTRY SUCCESSFULLY REGISTERED**

**Explanation:** The IOADDI job successfully registered the qName QNAME table entry.
**Corrective Action:** No action is required.

**DDRJADE cbName CONTROL BLOCK CREATION ERROR - REGISTRATION ABORTED**

**Explanation:** The IOADDI job was unable to build the cbName system-wide control block.
The IOADDI job does not register the required IOA installation.
**Corrective Action:** Rerun the IOADDI job for the required IOA installation, and verify that it was successful.

**DDRJAEE NO AVAILABLE ENTRIES IN QNAME TABLE - REGISTRATION ABORTED**

**Explanation:** The IOADDI job was unable to register the required IOA installation because no remaining QNAME table entries are available.
The IOADDI job does not register the required IOA installation.
**Corrective Action:** Delete any entries in the QNAME table that are no longer required. If all existing entries are required, prepare the Control-M monitor full output and contact BMC Customer Support.
DET messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages DETH00 through DETHxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

DETH51I LOGICAL CONNECTION IS INTERRUPTED WHILE THE ACTIVE JOBS FILE IS BEING FORMATTED

Explanation: This information message indicates that the logical connection between the Control-M Application Server and Control-M/Enterprise Manager (Control-M/EM) Workstation Gateway is temporarily suspended because the Active Jobs file is currently being formatted.

The workstation database is not up-to-date, and no requests issued by the Control-M/EM GUI will be handled, until the format of the Active Jobs file is completed.

Corrective Action: No action is required.

DETH52I LOGICAL CONNECTION RESUMED AFTER FORMAT OF THE ACTIVE JOBS FILE

Explanation: This information message indicates that the logical connection between the Control-M Application Server and Control-M/Enterprise Manager (Control-M/EM) Workstation Gateway has resumed because the process of formatting the Active Jobs file has finished.

The workstation database may now request synchronization, and other requests issued by the Control-M/EM GUI will now be handled.

Corrective Action: No action is required.

DETH53E FORMAT OF ACTIVE JOBS FILE ABENDED

Explanation: An abend occurred when the Active Jobs file (AJF) was last formatted. The New Day process did not finish OK. ECSGATE cannot work with the AJF, because the AJF might be corrupted.

The Control-M Application Server shuts down.

Corrective Action: Inform your INCONTROL administrator.

DETH55E FILE ALLOCATED TO DDNAME "DARESF" OR "DACNDF" IS NOT YOUR IOA SYNCHRONIZATION FILE

Explanation: The data set pointed to by the "DARESF" OR "DACNDF" DD statement is not your IOA Synchronization file. This error message is issued by the CTWDET Control-M Application Server program, and is due to one of the following:
The file allocated to the DARESF or DACNDF DD statement is not the IOA Synchronization file.

The file allocated to the DARESF or DACNDF DD statement is the IOA Synchronization file, but it is of a different version or from a different Control-M monitor.

The Control-M Application Server shuts down.

**Corrective Action:** Correct the JCL for the Control-M Application Server and restart it.

**DETH56E THE NEW JOB RECORDS ARE INCOMPLETE. CONTINUATION RECORD IS MISSING. RBA add**

**Explanation:** The Control-M Application Server detected that a job on the Active Jobs file does not have all related continuation records.

In this message, *add* is the Relative Byte address of the problematic job.

The problematic job is ignored, meaning that it is not downloaded to Control-M/Enterprise Manager. The Application Server continues to work, handling other jobs.

**Corrective Action:** Have your system programmer call BMC Software Customer Support.

**DETH57I ACTIVE JOBS FILE IS BEING FORMATTED**

**Explanation:** This information message indicates that the Control-M Active Jobs File (AJF) is currently being formatted.

The Control-M Application Server holds updates. After formatting is finished, it executes a full download to the Control-M/Enterprise Manager.

**Corrective Action:** No action is required.

**DETH58E DATA BASE UPDATES SENT TO THE WORKSTATION GATEWAY HAVE NOT BEEN CONFIRMED IN TIME**

**Explanation:** The Control-M Application Server sent database updates to the Control-M/Enterprise Manager (Control-M/EM) Workstation Gateway, but did not receive confirmation for them in time. This error message is issued by the CTWDET Control-M Application Server program, and is due to one of the following:

- The Control-M/EM Workstation Gateway has stopped responding, due to an error condition in the software or hardware.
- Responses are delayed because of poor performance.

**Corrective Action:** Check if the workstation is hanging and if there are any error messages at the workstation which indicate the cause of the problem. If the workstation is not hanging, there must be some performance bottleneck in the system. Try to determine whether this bottleneck is at the workstation side, in the communication media, or at the mainframe.

**DETH59E CONFIRMATION SEQUENCE NUMBER ERROR. EXPECTED= exp_num RECEIVED= rcv_num**

**Explanation:** The Control-M Application Server has received an out of order confirmation of a database update.
This error message is issued by the CTWDET Control-M Application Server program. The Mainframe Gateway expects to receive confirmations for database updates in increasing order, but a confirmation with a sequence number of \( \text{rcv\_num} \) has been received, when a confirmation with a sequence number of at least \( \text{exp\_num} \) was expected.

The Control-M Application Server continues executing.

**Corrective Action:** Have your INCONTROL administrator contact BMC Software Customer Support.

**DETH60W** RUN NUMBERS \( \text{run\_num1} \) TO \( \text{run\_num2} \) OF jobName HAVE NOT BEEN CAPTURED

**Explanation:** The Control-M Application Server detected that during its last sleeping period it missed some events.

This message is issued by the CTWDET Control-M Application Server program. The Mainframe Gateway has detected that the run number of the `jobName` job in the Control-M Active Jobs file has changed by more than one during the Mainframe Gateway's last sleeping period. This means that run numbers \( \text{run\_num1} \) to \( \text{run\_num2} \) of the job have not been captured by the Mainframe Gateway.

**Corrective Action:** Consider decreasing the SLEEPINT parameter in the relevant APSERVER statement in the ECAPARM member.

**DETH61E** DETECTOR INTERNAL ERROR TYPE `type`

**Explanation:** The detector program detected an internal error. This error message is issued by the Control-M Application Server, and is due to reasons not in user control.

The Control-M Application Server shuts down.

**Corrective Action:** Have your INCONTROL administrator contact BMC Software Customer Support.

**DETH67I** DOWNLOAD PROCESS WILL TAKE PLACE SINCE < `rsn\_Text` >

**Explanation:** This information message indicates that a download will be executed, and the reason.

Possible causes of this message are:

- The Control-M Active Jobs File (AJF) was formatted since the last Application Server cycle.
- The Control-M Application Server received a STARTLINK modify command.

Possible values for `rsn\_Text` are:

- ACTIVE JOBS FILE WAS FORMATTED
- STARTLINK COMMAND WAS ISSUED

The Control-M Application Server requests and will execute a full download to the Control-M/Enterprise Manager.

**Corrective Action:** No action is required.

**DFG messages**

This group includes messages for the Control-O product.
Messages DFG400 through DFG4xx
This group includes messages for the Control-O product.

DFG410I ALLOCATION OF GLOBAL AUTOEDIT LIBRARY STARTED
Explanation: This information message indicates the normal start of the CTODFG program that allocates the Global library.
Corrective Action: No action is required.

DFG411E INVALID PARAMETERS: parms
Explanation: The CTODFG program detected invalid parameters.
The program terminates with a return code of 08.
Corrective Action: Verify the parameters, correct them, and resubmit the utility.

DFG412W THIS CPU HAS SMF ID cpuSmfId AND NOT parmSmfId
Explanation: The SMF ID of the CPU on which the CTODFG program is running (cpuSmfId) does not match the SMF ID passed as a parameter to the program (parmSmfId).
No error is issued when the systems share the catalog, where the file is cataloged, and the disk, where the file was allocated.
The program terminates with a condition code of 04.
A problem starting Control-O monitor might occur when the systems do not share the catalogs or the disk. This usually occurs when the file should have been cataloged in the MASTER catalog of the target system (parmSmfId) and not the Master catalog of the system where the job was executed (cpuSmfId).
In such a case, messages CTM686E and CTO458S are issued and Control-O monitor terminates with RC 8.
Corrective Action: Verify that the file was cataloged in the correct CATALOG. If it was not, DELETE the file and rerun the job on the correct system where parmSmfId and cpuSmfId are the same.

DFG416E DYNAMIC ALLOCATION ERROR RC=rc, ERROR=rsn, DSN=dsn
Explanation: The CTODFG program failed while attempting to dynamically allocate the Global library.
The CTODFG program terminates with a condition code of 08.
Corrective Action: Refer to the IBM OS/390 Authorized Assembler Services Guide for an explanation of the return and reason codes.

DFG417E CTMMEM ERROR, RC=rc
Explanation: The CTODFG program received the return code rc from the CTMMEM module while attempting to update the Global library. The error occurred when the CTODFG program attempted to create the $$GLOBAL member in the Global library.
Possible causes indicated by values of rc are:
- 08 - The region size is too small.
- 28 - The data set is in use.
- 32 - Internal error.
- 56 - The library is full or an abend occurred.
- 64 - The member already exists.

The CTODFG program terminates with a condition code of 08.

**Corrective Action:** If possible, correct the problem with the library, and resubmit the utility. If the error persists, contact BMC Software Customer Support.

**DFG418E ALLOCATION OF GLOBAL AUTOEDIT LIBRARY FAILED**

**Explanation:** Allocation of the Global library failed. This error message, which is issued by the CTODFG program, is preceded by another message detailing the reason for the failure.

The CTODFG program terminates with a condition code of 08.

**Corrective Action:** See the preceding message.

**DFG419I ALLOCATION OF GLOBAL AUTOEDIT ENDED**

**Explanation:** This information message indicates that the CTODFG program successfully allocated the Global library.

**Corrective Action:** No action is required.

**DFL messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages DFL0 through DFL0xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**DFL030I TAPE PULL UTILITY IS SUBMITTING JOBS WITH TYPRUN=SCAN**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Tape Pull List is currently submitting jobs with TYPRUN set to SCAN. To perform JCL checking, the tape pull utility submits jobs through the internal reader with the TYPRUN parameter set to SCAN. It then reads the sysout of the jobs being submitted, and deletes the sysout from the spool.

**Corrective Action:** No action is required.
DFL031I  UNKNOWN TYPE OF JCL CARD - *stmt*

**Explanation:** This information message indicates that an unknown type of JCL statement was found while reading sysout from the spool.

**Corrective Action:** Check the JCL statement. If the format is valid, have your INCONTROL administrator call BMC Software Customer Support for assistance.

DFL032E  READING OF SIMULATION ACTIVE JOBS FILE FAILED

**Explanation:** The reading of the file allocated to the DACKPTIN DD statement failed. Possible causes are:
- The file allocated to the DACKPTIN DD statement is not the Active Jobs file.
- The file allocated to the DACKPTIN DD statement is the Active Jobs file, but of a different version of the Control-M.
- There is insufficient memory to read the Active Jobs file into storage.
- The DACKPTIN DD statement is missing.

The utility terminates with a condition code of 08.

**Corrective Action:** Look for previous error messages that describe the type of error.

DFL033E  OPEN OF SIMULATION LOG FILE FAILED. DD NAME "DALOGI N"

**Explanation:** Open of the simulation facility output log file failed. Possible causes are:
- The DALOGI N DD statement is missing.
- The file allocated to the DALOGI N DD statement is neither the IOA Log file nor the log file which was produced by the Control-M simulation.

The utility is terminated with a condition code of 08.

**Corrective Action:** Correct the JCL of the job.

DFL034E  SUBMIT OF MEMBER *memName* FROM THE LIBRARY *lib* FAILED

**Explanation:** The specified member in the specified library was not submitted by the Tape Pull List utility.

**Corrective Action:** Look for the previous error messages which will describe the type of error.

DFL035E  MEMBER *memName* SHOULD BE SUBMITTED BUT IS NOT IN THE ACTIVE JOBS FILE

**Explanation:** A message indicating job submission was found in the simulation output log file, but the Active Jobs file does not contain an entry for that job. The Tape Pull List utility submits a job only if a message indicating job submission is found in the log file and the Active Jobs file contains the entry for that job.

**Corrective Action:** Check whether the Active Jobs file allocated to the DACKPTIN DD statement was changed since the last run of the simulation.
DFL036E UNRESOLVED VOL=AFF= IN DDNAME *ddName*

**Explanation:** The VOL=AFF= val parameter was specified for the *ddName* DD statement but it could not be resolved within the job.

The information for this DD statement is ignored by the utility.

**Corrective Action:** Look for the next message to identify the job name and step name where the error was detected.

DFL037E JCL ERROR WAS FOUND IN MEMBER *memName*

**Explanation:** A JCL error was found in the indicated member.

**Corrective Action:** Look for earlier error messages that describe the type of error.

DFL038I TAPE PULL LIST UTILITY STARTED

**Explanation:** This information message indicates that the Tape Pull List utility started.

**Corrective Action:** No action is required.

DFL039I TAPE PULL LIST UTILITY ENDED

**Explanation:** This information message indicates that the Tape Pull List utility ended.

**Corrective Action:** No action is required.

DFL045S SIMULATION LOG DOES NOT CONTAIN MESSAGES ON JOB SUBMISSION

**Explanation:** Messages indicating job submission were not found in the log file allocated to the DALOGIN DD statement.

The utility is terminated with a condition code of 08.

**Corrective Action:** Check the results of the Control-M Simulation Facility.

DFL049W DATASET *dsn* IS NOT FOUND IN CATALOG. DDNAME *ddName*

**Explanation:** The specified data set is not cataloged in the computer where the utility is executing. This data set is ignored during utility processing.

**Corrective Action:** Look for the next error message to identify the job name and step name where the error was detected. This data set may fail the job on execution JCL error.

DFL050E INVALID DISPOSITION IS SPECIFIED IN DDNAME *ddName*

**Explanation:** The disposition specified for the *ddName* DD statement is invalid or conflicts with the current status of the DSNAME.

The information for the *ddName* DD statement is ignored by the utility.

**Corrective Action:** Look for the next error message to identify the job name and step name where the error was detected.
Messages DFL100 through DFL1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

DFL185E ERROR WHILE READING SYSOUT FOR MEMBER memName JOBID jobId

Explanation: Reading of sysout for the specified job failed. The tape pull list performs JCL checking by submitting the jobs with TYPRUN set to SCAN and reading the results from spool. A typical cause is a manual purge at the job from spool.

Corrective Action: Check earlier error messages that describe the type of error.

DFL187W UNRESOLVED BACKWARD REFERENCE FOR DDNAME ddName

Explanation: Backward reference was not resolved for the ddName DD statement. The information for this DD statement is ignored by the utility.

Corrective Action: Check the next error message to identify the job name and step name where the error was detected.

DFL188W UNIT NAME NOT SPECIFIED FOR NEW DATASET IN DDNAME ddName

Explanation: No UNIT specification was found for the NEW data set allocated to the specified DD name. The information for this DD statement is ignored by utility.

Corrective Action: Look for the next error message to identify the job name and step name where the error was detected.

DFL189I MEMBER memName PGMSTEP pgmStep PROCSTEP procStep

Explanation: The information message identifies the location of the errors described by the previous message.

Corrective Action: No action is required.

DFL190W NOT CATLGD2 MAY BE ENCOUNTERED FOR DDNAME ddName

Explanation: The data set allocated to the specified DD statement is already cataloged. It is possible that the data set is not currently cataloged, but will be created and cataloged before the execution of the specified job.

Corrective Action: Look for the next error message to identify the job name and step name where the error was detected.

DIB messages

This group includes messages for the IOA (infrastructure) product.
Messages DIB900 through DIB9xx

This group includes messages for the IOA (infrastructure) product.

**DIB911I UTILITY IOADBIB STARTED**

**Explanation:** This information message indicates that utility IOADBIB has started creating an IOA Access Method index file based on existing data.

**Corrective Action:** No action is required.

**DIB912E ERROR err AT LINE line. CURRENT STATEMENT: stmt**

**Explanation:** Control-M/Analyzer utility CTBDBIB failed while reading the indicated input statement from the data set referenced by the SYSIN DD statement.

The utility stops executing with a condition code of 08.

**Corrective Action:** Notify your INCONTROL administrator.

**DIB914I PROGRAM ENDED: num KEYS BUILT**

**Explanation:** This information message indicates the normal termination message of Control-M/Analyzer Index file rebuilding utility CTBDBIB.

**Corrective Action:** No action is required.

**DIB915S ERROR OPENING SYSPRINT**

**Explanation:** An error was detected during an attempt to open the file referenced by the SYSPRINT DD statement.

The file referenced by the SYSPRINT DD statement is not opened.

**Corrective Action:** the system job log, and correct the problem accordingly. Rerun the job.

**DIB916E NO INPUT PARAMETERS. PROGRAM STOPPED**

**Explanation:** The input file for the CTBDBIB Control-M/Analyzer utility is empty (the SYSIN DD statement).

The utility stops executing with a condition code of 04.

**Corrective Action:** Fill in the input statements and rerun the job.

**DIB917S INTERNAL ERROR WHILE PROCESSING DDNAME ddName**

**Explanation:** Control-M/Analyzer utility CTBDBIB failed while processing of the data set referenced by the indicated DD name. This message is followed by message DIB918S, which contains additional details about the error.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Contact your INCONTROL administrator with the details displayed in this and the following message.
DI B918S RETURN CODE rc FROM routineName ROUTINE, FUNCTION func

Explanation: Control-M/Analyzer utility CTBDBIB failed while processing the data set referenced by the DD name indicated in message DIB917S. The utility stops executing with the indicated return code.

Corrective Action: Notify your INCONTROL administrator.

DI B919E INPUT PARAMETERS CONTAIN DUPLICATE DDNAMES

Explanation: The CTBDBIB parameter Control-M/Analyzer utility could not process the input parameters due to duplicate DD names in the input statements. The utility stops executing with a condition code of 36.

Corrective Action: Correct the input statements, and rerun the job.

DI B91AS INSUFFICIENT STORAGE TO RUN UTILITY IOADBIB

Explanation: The IOADBIB parameter requires more storage to rebuild an index file. The utility stops executing with a condition code of 12.

Corrective Action: Increase the REGION size, and rerun the job.

DI B91BS INDEX FILE IS FULL. UNABLE TO ADD A KEY

Explanation: The utility that builds index entries for the IOA Access Method file was not able to add an index element to the index file because it was full. The utility stops.

Corrective Action: Allocate a new index file with more space than the original, and rerun this utility.

Messages DIBG00 through DIBGxx

This group includes messages for the IOA (infrastructure) product.

DIBG60I BUILD INDEX UTILITY STARTED

Explanation: This information message indicates that the index file creation process started. This message is issued by the CTDDIB utility, which generates an index file based on an existing data file.

Corrective Action: No action is required.

DIBG61I INDEX BUILT SUCCESSFULLY

Explanation: This information message indicates that the index file was successfully built based on the existing data file. This message is issued by the CTDDIB utility.

Corrective Action: No action is required.
DIBG62S BUILD INDEX UTILITY ENDED WITH ERROR

Explanation: An error was encountered during index file creation. This message is issued by the CTDDIB utility. Other error messages indicate the cause of the error.

The index file is not usable.

Corrective Action: Correct the problem, and rerun the CTDDIB utility to generate the index based on the existing data file.

DIBG63S TOO MANY ERRORS DETECTED

Explanation: The number of errors detected exceeds a fixed threshold.

The CTDDIB utility terminates.

Corrective Action: Correct the errors, and resubmit the job.

DIBG64S NOT ENOUGH SPACE IN INDEX FILE

Explanation: There is insufficient space for the CTDDIB utility to add a new index element to the index file.

The CTDDIB utility terminates with a return code of 28.

Corrective Action: Expand the index file using the IOADBF utility, and resubmit the job.

DIBG66S INVALID VALUE IN PARAMETER DBFILE. VALID VALUES ARE: ACT, PRM, HST, MIG, MG1-MG9

Explanation: The DBFILE parameter in the CTDDIB utility is not set to ACT, PRM, HST, MIG or MGn.

The CTDDIB utility creates an index file from an existing data file. The user tried to run the CTDDIB utility without a valid DBFILE parameter.

The CTDDIB utility terminates.

Corrective Action: Rerun the CTDDIB utility after setting the DBFILE parameter to ACT, PRM, HST, MIG, or MGn depending on the type of file for which the index is being created, as follows:

- ACT - Active User file
- PRM - Permanent User file
- HST - History User file
- MIG - Migrated User file
- MGn - Migrated User file partition, where n is the partition number

DIBG67E BUILD INDEX DETECTED AN ERROR WHILE ADDING A NEW INDEX RECORD

Explanation: An error was encountered by function ADDI (Add Index) of the CTDDIB utility.

After a number of attempts to write the record, the CTDDIB utility terminates with an error code of 22. The problematic record is not indexed but is written to file DATTRACE.
**Corrective Action:** If necessary, correct data file records in accordance with other error messages and resubmit the job.

**DIBG68I** DUPLICATE RECORD FOUND IN DATA FILE

**Explanation:** This information message indicates that a duplicate record exists in the data file. The duplicate record may be the result of a computer malfunction.

The CTDDIB utility continues processing.

**Corrective Action:** No action is required.

**DIBG69E** A DATA FILE READ ERROR WAS DETECTED, PROBLEMATIC RECORD WRITTEN TO FILE DATRACE

**Explanation:** An error occurred while reading an IOA Access Method data file. The problematic record is written to file DATRACE.

**Corrective Action:** Correct data file records and resubmit the job.

**DIBG6AI** NUMBER OF RECORDS READ FROM DATA FILE=num

**Explanation:** This information message indicates that the CTDDIB utility read num records from the IOA Access Method data file to be indexed.

**Corrective Action:** No action is required.

**DIBG6BI** NUMBER OF RECORDS ADDED TO file INDEX FILE=num

**Explanation:** This information message indicates that the CTDDIB utility added num records to the IOA Access Method index file.

In this message, file is name of the IOA Access Method component.

**Corrective Action:** No action is required.

**DIBG6CI** NUMBER OF DUPLICATE RECORDS IN DATA FILE=num

**Explanation:** This information message indicates that the CTDDIB utility found num duplicate records in the IOA Access Method data file to be indexed.

Duplicate records are not indexed.

**Corrective Action:** No action is required.

**DIBG6DE** file INDEX FILE MUST BE REFORMATTED PRIOR TO REBUILDING INDEX

**Explanation:** The index file was not reformatted. The index component of the IOA Access Method must be reformatted prior to running the CTDDIB utility.

In this message, file is name of the IOA Access Method component.

The CTDDIB utility terminates.

**Corrective Action:** Reformat the index file with the IOADBF utility and resubmit the job.
DIBG6EE ERROR IN THE SORT PROGRAM. SEE SORT MESSAGES.

**Explanation:** The SORT program called by the CTDDIB utility ended with errors. This error probably indicates that insufficient storage was allocated for sort processing.

The CTDDIB utility terminates.

**Corrective Action:** Allocate more space for the SORT program and rerun the CTDDIB utility.

DIBG6FI NUMBER OF DUPLICATE RECORDS NOT ADDED TO file INDEX FILE= num

**Explanation:** This information message indicates that the CTDDIB utility detected duplicated records in a data component. The corresponding index records were not added to the alternative index component.

In this message, file is the name of the IOA Access Method component.

**Corrective Action:** No action is required.

DIG messages

This group includes messages for the IOA (infrastructure) product.

Messages DIG900 through DIG9xx

This group includes messages for the IOA (infrastructure) product.

DIG901I UTILITY IOADIG STARTED

**Explanation:** This information message indicates the normal start of the IOADIG utility. The IOADIG utility performs IOA Access Method data file integrity checking.

**Corrective Action:** No action is required.

DIG902S WARNING: RBA INCONSISTENT AT BLOCK= blk RECORD= rec

**Explanation:** An RBA error was detected by the IOADIG utility while checking the rec record of the input IOA Access Method data file. This message indicates the specific block and record that contain the error.

The IOADIG utility continues executing.

**Corrective Action:** Rerun the IOADIG utility with ACT set to W to correct the error. If the error remains, save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you continue to encounter problems with the IOA Access Method files, see the section on reorganizing the IOA Access Method File in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.
DIG903S HEADER CORRUPT. POINTER TO START OF FREE RECORD CHAIN INVALID

**Explanation:** An error was detected by the IOADIG utility in the header of the input IOA Access Method data file.

The IOADIG utility continues executing.

**Corrective Action:** Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

DIG904I NO FREE RECORDS DETECTED. CHECK NOT REQUIRED

**Explanation:** This information message indicates normal termination of data file integrity checking by the IOADIG utility when the file to be checked is full.

**Corrective Action:** No action is required.

DIG905S INTEGRITY CHECK ENDED ABNORMALLY. FREE RECORD CHAIN CREATION FAILED

**Explanation:** The IOADIG utility is unable to perform integrity checking on the requested IOA Access Method data file.

The IOADIG utility terminates with a condition code of 32.

**Corrective Action:** Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

DIG906I CHECK COMPLETED NORMALLY. ERRORS CORRECTED

**Explanation:** This information message indicates that the IOADIG utility ended normally, and errors were corrected successfully.

**Corrective Action:** No action is required.

DIG907I DATABASE INTEGRITY CHECK ENDED OK: NO ERRORS DETECTED

**Explanation:** This information message indicates that the IOADIG utility ended and no errors were detected.

**Corrective Action:** No action is required.
DIG908S NUMBER OF FREE RECORDS IN HEADER DOES NOT MATCH THE ACTUAL NUMBER OF FREE RECORDS

Explanation: The IOADIG utility detected in the header of the IOA Access Method data file that the number of free records in the data file and the number of free records recorded in the header record are not the same.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG909S ACTIVE RECORD ENCOUNTERED IN FREE RECORD CHAIN

Explanation: The IOADIG utility detected an active record in the free record chain of the IOA Access Method data file.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG90AS INVALID FREE LIST POINTER ENCOUNTERED

Explanation: The IOADIG utility detected an invalid free list pointer while integrity checking the IOA Access Method data file. One or more records pointed to by the free list pointer are not free records.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG90BS CROSS-LINKED FREE RECORDS ENCOUNTERED

Explanation: The IOADIG utility detected a recursive pointer error in the free record chain while integrity checking the IOA Access Method data file.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

1447
If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

**DIG90CS INVALID RECORD ID IN THE RECORD HEADER**

**Explanation:** The IOADIG utility detected an invalid record ID in the data file header while integrity checking the IOA Access Method data file.

The utility continues executing.

**Corrective Action:** Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

**DIG90DS FREE RECORD OUT OF CHAIN AT BLOCK= blk RECORD= rec**

**Explanation:** While integrity checking the IOA Access Method data file, the IOADIG utility detected a free record that is not in the free record chain.

The utility continues executing.

**Corrective Action:** Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

**DIG90ES INSUFFICIENT STORAGE TO RUN UTILITY**

**Explanation:** The IOADIG utility requires more storage to perform an integrity check on the IOA Access Method data file.

The utility terminates with a condition code of 12.

**Corrective Action:** Increase the REGION size and rerun the utility.

**DIG90FS OPEN OF FILE FAILED**

**Explanation:** The IOA Access Method data file for which integrity checking was requested cannot be opened. Possible causes are causes:

- The DD statement which references the data file is missing.
- The file referenced by the DD statement is not an IOA Access Method data file.
- An internal error occurred while attempting to open the file referenced by the DD statement.

The IOADIG utility terminates with a condition code of 16.

**Corrective Action:** Correct the JCL and rerun the job. If the error persists, notify your INCONTROL administrator.
DIG911S ERROR DETECTED: BLOCK= blk RECORD= rec

Explanation: The IOADIG utility detected an error in the rec record in the blk block.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG912S POINTER TO THIS RECORD IS AT BLOCK= blk RECORD= rec

Explanation: The IOADIG utility detected an error in a pointer at the rec record in the blk block.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG913I DATABASE INTEGRITY ERRORS DETECTED. TO CORRECT, SPECIFY "FUNC=W"

Explanation: This information message indicates that the IOADIG utility detected one or more integrity errors.

The utility terminates with a return code of 32.

Corrective Action: To correct the errors, rerun the IOADIG utility after setting the FUNC parameter to W. If the problem persists, save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG914S ERROR OPENING SYSPRINT

Explanation: An error occurred while opening the SYSPRINT DD statement. The DD statement is probably missing.

The IOADIG utility terminates with a return code of 8.

Corrective Action: Notify your INCONTROL administrator.

DIG916S DATABASE INTEGRITY ERRORS DETECTED

Explanation: The IOADIG utility detected one or more integrity errors.
The IOADIG utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG917S WARNING: INCORRECT RBA IN BLOCK blk
Explanation: The IOADIG utility detected an invalid Relative Block Address (RBA) in the blk block.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG918S WARNING: INCORRECT RECORD ID IN BLOCK blk
Explanation: The IOADIG utility detected an invalid record ID in the block identified in the message.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

DIG919S HEADER CORRUPT: INCORRECT {BLOCK SIZE | RECORD LENGTH | DATASET NAME}
Explanation: The IOA Access Method data file header does not contain the correct block size, record length, or data set name information (as indicated in the wording of the message). The error was detected by the IOADIG utility.

The utility stops executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.
DIG920S QUANTUM NOT IN ASCENDING ORDER - PROBLEM NOT CORRECTED

**Explanation:** The values specified for the QUANT1, QUANT2 and QUANT3 parameters are not in ascending order. These parameters are used with variable record length IOA Access Method Database file components for managing free space areas when new records are written. They must correlate with the BLKSIZE parameter as follows: QUANT1 < QUANT2 < QUANT3 < BLKSIZE.

The utility continues executing.

**Corrective Action:** Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

DIG921S WARNING: INCORRECT FREE SPACE COUNTER IN BLOCK blk

**Explanation:** The free space counter in the blk block is not accurate. This error was detected by the IOADIG utility.

The utility continues executing.

**Corrective Action:** Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

DIG922S WARNING: INCORRECT RECORD ORDER IN BLOCK blk

**Explanation:** One or more records are out of sequence in the block identified in the message. This error was detected by the IOADIG utility.

The utility continues executing.

**Corrective Action:** Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the *INCONTROL for z/OS Administrator Guide* to learn how to reorganize the files.

DIG923S WARNING: INCORRECT RECORD COUNTER IN BLOCK blk

**Explanation:** The IOADIG utility detected that the record counter in the blk block is not accurate.

The utility continues executing.
Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

**DIG924W WARNING: INCORRECT FREE SPACE QUANTUM FOR BLOCK blk**

Explanation: The IOADIG utility detected that the amount of free space designated for the `blk` block is incorrect. These parameters are used with variable record length IOA Access Method Database file components for managing free space areas when new records are written. They must correlate with the BLKSIZE parameter as follows: QUANT1 < QUANT2 < QUANT3 < BLKSIZE.

The utility continues executing.

Corrective Action: Check that all started tasks or jobs in Control-D or Control-V that are working with user files are running on LPARs which are synchronized by software such as GRS or MIM.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

**DIG925S HEADER CORRUPTED: INCORRECT TYPE IN RECORD ZERO**

Explanation: The IOADIG utility detected that the record type recorded in the IOA Access Method data file header record is incorrect.

The utility continues executing.

Corrective Action: Save the output of the job. Create a copy of the IOA Access Method index and data files by means of the IEBGENER utility, and contact BMC Software Customer Support. Include all the extents of the files.

If you encounter more problems with the IOA Access Method files, refer to the section that describes IOA Access Method file reorganization in the INCONTROL for z/OS Administrator Guide to learn how to reorganize the files.

**DIG926S DYNAMIC ALLOCATION ERROR OF EXTENT= dsn RC= rc REASON= rsc**

Explanation: The IOADIG utility detected an error during allocation of an extent.

The utility terminates with a return code of 12.

Corrective Action: For a description of the reason code received, refer to the IBM manual MVS Programming: Authorized Assembler Services Guide. If you cannot resolve the problem, report the reason code to BMC Software Customer Support.

**DIG927I INTEGRITY CHECKED OK FOR DATASET dsn**

Explanation: This information message indicates that the IOADIG utility did not find any integrity problems in the `dsn` data set.

The utility continues executing.
Corrective Action: No action is required.

DIG928I DATABASE INTEGRITY CHECKED OK: NO ERRORS DETECTED
Explanation: This information message indicates the normal end of the IOADIG utility. No errors were detected.
The utility terminates with a return code of 0.
Corrective Action: No action is required.

DIG929I INTEGRITY CHECKED OK FOR MAIN DATASET
Explanation: This information messages indicates that the IOADIG utility found no errors in the main data set.
Corrective Action: No action is required.

DIG92AS DEALLOCATION ERROR FOR DATASET dsn
Explanation: The IOADIG utility detected an error during deallocation of an extent of the dsn data set.
The utility terminates with a return code of 12.
Corrective Action: For a description of the return code received, see the IBM manual MVS Programming: Authorized Assembler Services Guide. If you cannot resolve the problem, report the reason code to BMC Software Customer Support.

DIG92BS FOR DSN=
Explanation: This message is the header for other messages which indicate the relevant data set names.
Corrective Action: No action is required.

DIG92CS INVALID PARAMETER, VALID PARAMETERS ARE ACT=R/W, TYPE=F/V
Explanation: An invalid parameter was passed to the IOADIG utility.
Valid values for the ACT parameter:
- R - Perform a read-only check. Do not correct detected errors.
- W - If an error is detected, correct it.
Valid values for the ACT parameter:
- F - Fixed length records in data file.
- V - Variable length records in data file.
The utility terminates with a return code of 24.
Corrective Action: Rerun the IOADIG utility after setting its parameters to valid values.
DIG92DI INPUT PARAMETERS ARE

**Explanation:** This information message is the header for a list of input parameters.

**Corrective Action:** No action is required.

DIG92ES DATASET NAME *dsn* IN CONTROL BLOCK IS TOO LONG

**Explanation:** This message indicates that the IOADIG utility detected that the dataset name (*dsn*), in the control block of the IOA Access Method data file, is longer than 38 bytes.

The utility terminates with a condition code of 16.

**Corrective Action:** Use the following procedure:

1. Save the output of the job.
2. Use the IEBGENER utility to create a copy of the IOA Access Method index and data files. Be sure to include all the extents of the files.

If you encounter more problems with the IOA Access Method files, see the *INCONTROL for z/OS Administrator Guide* for information on how to reorganize the files.

DII messages

This group includes messages for the IOA (infrastructure) product.

Messages DII900 through DII9xx

This group includes messages for the IOA (infrastructure) product.

DII941I UTILITY IOADII STARTED

**Explanation:** This information message indicates that the IOADII utility started performing IOA Access Method index file integrity checking.

**Corrective Action:** No action is required.

DII942S OPEN OF INDEX FILE FAILED

**Explanation:** The IOA Access Method index file could not be opened.

Processing is stopped.

**Corrective Action:** Check the IOA log and system job log for more information. Correct the problem and rerun the utility.

DII943S INDEX INTEGRITY ERRORS DETECTED. SEE DATRACE FILE

**Explanation:** The IOADII utility detected an integrity error in the IOA Access Method index file. The problematic record is written to file DATRACE.

Processing is stopped.
Corrective Action: Rebuild the index using the CTDDIB utility.

DII945I NUMBER OF RECORDS READ FROM INDEX FILE=num
Explanation: This information message indicates that nnnn records were read from the IOA Access Method index file.
Corrective Action: No action is required.

DII945S INDEX INTEGRITY ERRORS DETECTED AT: BLOCK=block RECORD=record
Explanation: The Control-M/Analyzer CTBDII utility found integrity problems in the Index file at the indicated location.
The utility stops executing with a condition code of 32.
Corrective Action: Inform your INCONTROL administrator.

DII946S ERROR OPENING SYSPRINT
Explanation: The IOADII utility detected an error when opening the file referenced by the SYSPRINT DD statement.
The file referenced by the SYSPRINT DD statement is not opened.
Corrective Action: Check the system job log, and correct the problem accordingly. Rerun the job.

DII947I UTILITY IOADII ENDED SUCCESSFULLY
Explanation: This information message indicates that the IOADII utility ended normally.
Corrective Action: No action is required.

DIP messages
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages DIP900 through DIP9xx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

DIP930I DELETE PAGES STARTED IN mode MODE
Explanation: This information message is issued routinely when the CTDDIP utility starts.
In this message, mode is the mode in use. Valid values are:
- TEST - simulation mode
- PROD - production mode

**Corrective Action:** No action is required.

**DI P931I DELETE PAGES ENDED**

**Explanation:** This information message is issued routinely when the CTDDIP utility ends.

**Corrective Action:** No action is required.

**DI P932I LAST PHASE ENDED WITH ERRORS**

**Explanation:** This information message is issued when the last phase of the operation of the CTDDIP utility ended with severe errors. The problem is identified in accompanying messages. The utility ends with a return code of 08.

**Corrective Action:** Correct the problem identified in the accompanying messages and rerun the utility.

**DI P933E DELETE PAGES ENDED WITH ERRORS**

**Explanation:** The CTDDIP utility ended with errors. The errors are described in the accompanying messages. The CTDDIP utility ends with a return code of 04 or 08.

**Corrective Action:** Correct the problem identified in the accompanying messages and rerun the job.

**DI P934I numStmts INPUT STATEMENTS WERE SPECIFIED, numErrors ERRORS WERE DETECTED**

**Explanation:** This information message provides statistics about the input stream statements that have been processed by the CTDDIP utility.

The variables in this message are:
- **numStmts** - the number of input statements
- **numErrors** - the number of errors

**Corrective Action:** No action is required.

**DI P935I numIndexVals INDEX VALUES AND numPages PAGES WERE DELETED**

**Explanation:** This information message provides statistics about the index values in index files, and pages in CDAM, that the CTDDIP utility identified for deletion.

- When operating in TEST mode, the identified index values and CDAM pages will be deleted.
- When operating in production mode, the CTDDIP utility deleted the identified index values and CDAM pages.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **numIndexVals** - the number of index values deleted (or to be deleted) from index files
- **numPages** - the number of CDAM pages deleted (or to be deleted)

**Corrective Action:** No action is required.

**DIP936E INVALID PARAMETER parm IN STMT stmt**

**Explanation:** An invalid parameter was encountered in the input data stream of the CTDDIP utility.

The variables in this message are:

- **parm** - the identity of the invalid parameter
- **stmt** - the number of the statement that contains parm

The CTDDIP utility continues, but will end with a condition code of 04. The index values and CDAM pages identified in the stmt statement are not deleted.

**Corrective Action:** Correct the parameter syntax in the input statement of the CTDDIP utility.

**DIP937E MISSING PARAMETER parm IN STMT stmt**

**Explanation:** A parameter was missing from the input data stream of the CTDDIP utility.

The variables in this message are:

- **parm** - the identity of the missing parameter
- **stmt** - the number of the statement that contains parm

The CTDDIP utility continues, but ends with a condition code of 04. The index values and CDAM pages identified in the stmt statement are not deleted.

**Corrective Action:** Correct the parameter syntax in the input statement of the CTDDIP utility.

**DIP938E ILLEGAL comp IN STMT stmt**

**Explanation:** The CTDDIP utility detected in an input statement a reference to a prohibited component.

The variables in this message are:

- **comp** - the prohibited component Valid values are:
  - **INDEX LEVEL** - The specified index is a record level index, and values cannot be deleted in the case of such an index.
  - **NO. OF REPORTS** - The number of reports that have been selected exceeds the value of the specified RMODE parameter.
  - **MIGR MEDIA TYPE** - the last stage migration media type is either not specified in the IOASPRM member of the IOA PARM library, or is not the specified DASD.
- **stmt** - the number of the problematic statement

The CTDDIP utility continues, but ends with a condition code of 04. The index values and CDAM pages identified in the stmt statement are not deleted.

**Corrective Action:** The user response varies according to the value of **comp**, as follows:
INDEX LEVEL - The CTDDIP utility cannot be used to delete the specified index values. Therefore, take into account that the specified values remain undeleted.

NO. OF REPORTS - Do one of the following:
- Set the criteria of report selection more accurately, so as to select only necessary reports.
- To delete indexes from multiple reports, set the value of the RMODE parameter to M.

MIGR MEDIA TYPE - The CTDDIP utility cannot be used to delete the specified index values. Therefore, take into account that the specified values remain undeleted from the migrated CDAM and index files.

DIP939W DUPLICATED INDEX VALUE FOUND FOR STMT stmt
Explanation: A duplicate index value was found in the input data stream of the CTDDIP utility. In this message, stmt is the number of the problematic statement.
The CTDDIP utility continues, but ends with a condition code of 04.
Corrective Action: Correct the input statement of the CTDDIP utility as necessary.

DIP93AE DYNAMIC ALLOCATION ERROR RC= rc RSN= rsn FOR STMT stmt
Explanation: During the execution of the CTDDIP utility, dynamic allocation failed (SVC 99). Additional information is provided in the DIP94AE message, which follows this message.
The variables in this message are:
- rc - the return code
- rsn - the reason code
- stmt - the number of the problematic statement
For information about the return code (rc) and the reason code (rsn), see the IBM manual MVS Programming: Authorized Assembler Services Guide.
The CTDDIP utility continues, but ends with a condition code of 04. The index values and CDAM pages identified in the stmt statement are not deleted.
Corrective Action: No action is required.

DIP93BI numValues GLOBAL INDEX VALUES WERE DELETED
Explanation: This information message indicates the number of global index values identified by the CTDDIP utility for deletion from the DB2 Global Index database.
The system action depends on whether the utility is operating in PROD mode or TEST mode, as follows:
- In PROD mode, the message indicates the number of global index values that were deleted.
- In TEST mode, the message indicates the number of global index values that will be deleted when the utility is run in PROD mode.
In this message, numValues is the number of global index values deleted, or to be deleted, from the DB2 Global Index database.
Corrective Action: No action is required.

DIP93FI INPUT PARAMETERS: STAMP= stmp, CHAR= chr, REPLIST= rlist, PORTION= portn

Explanation: This message is displayed by the CTDDIP utility and provides information about the values of EXEC input parameters.

The variables in this message are:
- stmp - the value of the STAMP input parameter
- chr - the value of the CHAR input parameter
- rlist - the value of the REPLIST input parameter
- portn - the value of the PORTION input parameter

Corrective Action: No action is required.

DIP93GI 1. INPUT STREAM TESTED

Explanation: This information message is issued routinely when data testing of the CTDDIP utility input stream has ended.

Corrective Action: No action is required.

DIP93HI 2. REPORT ENTRIES SELECTED

Explanation: This information message is issued routinely when the CTDDIP utility has completed the selection of report entries in the Active and Migrated User files.

Corrective Action: No action is required.

DIP93II 3. SYSDATA AND INDEX RECORDS SELECTED

Explanation: This information message is issued routinely when the CTDDIP utility has completed the selection of SYSDATA and index records in the Active and Migrated User files.

Corrective Action: No action is required.

DIP93JI 4. INDEX VALUES SELECTED

Explanation: This information message is issued routinely when the CTDDIP utility has completed the selection of index values in the Index files.

Corrective Action: No action is required.

DIP93KI 5. NUMBER OF REPORTS PER STATEMENT CHECKED

Explanation: This information message is issued routinely when the CTDDIP utility has finished checking the number of selected records in each CTDDIP input statement.

Corrective Action: No action is required.
DIP93LI 6. CDAM FILES UPDATED

**Explanation:** This information message is issued routinely when the CTDDIP utility has finished updating the CDAM files.

**Corrective Action:** No action is required.

DIP93MI 7. GLOBAL INDEX DATABASES UPDATED

**Explanation:** This information message is issued routinely when the CTDDIP utility has finished updating the index values in the Global Index Database tables.

**Corrective Action:** No action is required.

DIP93NI 8. INDEX FILES UPDATED

**Explanation:** This information message is issued routinely when the CTDDIP utility has finished updating the index values in the Index files.

**Corrective Action:** No action is required.

DIP93OI 9. GLOBAL INDEXES ARE NOT USED

**Explanation:** This information message is issued routinely instead of the DIP93MI message when the Global Index Database is not used.

**Corrective Action:** No action is required.

DIP93PI LIST OF INPUT STATEMENTS

**Explanation:** This information message is issued routinely at the beginning of a list of the CTDDIP utility input statements.

**Corrective Action:** No action is required.

DIP93QI LIST OF SELECTED REPORTS

**Explanation:** This information message is issued routinely at the beginning of a list of the reports selected by the CTDDIP utility.

**Corrective Action:** No action is required.

DIP93RI END OF LIST OF SELECTED REPORTS

**Explanation:** This information message is issued routinely at the end of a list of the reports selected by the CTDDIP utility.

**Corrective Action:** No action is required.

DIP940E elem NOT FOUND FOR STMT stmt

**Explanation:** During execution of the CTDDIP utility, a report element was not found in the database or index file.

The variables in this message are:
**elem** - the missing report element

Valid values of **elem** are:

<table>
<thead>
<tr>
<th>elem</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>REPORT ENTRY</td>
<td>any user record for the report that fits the specified criteria in the input statement but was not found in the Active user file nor in the Migrated user file</td>
</tr>
<tr>
<td>INDEX NAME</td>
<td>the specified index for the report that fits the specified criteria in the input statement but was not found in the Active user file nor in the Migrated user file</td>
</tr>
<tr>
<td>INDEX VALUE</td>
<td>the specified index value was not found in the Index file for the report that matches the specified criteria in the input statement</td>
</tr>
</tbody>
</table>

**stmt** - the number of the problematic statement

The CTDDIP utility continues, but ends with a condition code of 04. The index values and CDAM pages identified in the **stmt** statement are not deleted.

**Corrective Action:** Correct the criteria in the input statement of the CTDDIP utility.

DI P941E MISSING *filetyp* elem FOR STMT *stmt* KEY= *recordId*

**Explanation:** During execution of the CTDDIP utility, a database element was not found.

The variables in this message are:

- **filetyp** - the type of user file that lacked elem
  - Valid values are:
    - ACTIVE
    - MIGRATED

- **elem** - the type of database element that was missing
  - Valid values are:
    - USER RECORD
    - SYSDATA RECORD
    - INDEX RECORD
    - USER RBA ENTRY

- **stmt** - the number of the problematic statement

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support.

DI P942E INVALID *filetyp* elem FOR STMT *stmt*

**Explanation:** During execution of the CTDDIP utility, an invalid database element was detected.
Additional information is provided in the DIP94AE message, which follows this message.

The variables in this message are:

- **filetyp** - the type of user file that contained the invalid database element
  Valid values are:
  - ACTIVE
  - MIGRATED

- **elem** - the invalid database element
  Valid values are:
  - CDAM RBA - The CDAM RBA in an Index file does not refer to the start or end position in the CDAM page, or exceeds the block or file space. The Index file is identified in the DIP94AE message.
  - INDEX RBA - The internal index RBA exceeds the block or file space in the Index file. The Index file is identified in the DIP94AE message.
  - USER RBA ENTRY - The first and last page numbers of the CDAM RBA in the user record of the Active or Migrated user file are unbalanced. The last page number precedes the first page number.
  - INDEX RBA ENTRY - The first and last page numbers of the CDAM RBA in the index value entry of the Index file are unbalanced. The last page number precedes the first page number. The CDAM and the Index file are identified in the DIP94AE message.
  - CDAM FDB BLOCK - Either the header or the version of the File Description Block (FDB) of the migrated CDAM is invalid. The CDAM and the Index file are identified in the DIP94AE message.

- **stmt** - the number of the problematic statement

The CTDDIP utility continues, but ends with a condition code of 04. The index values and CDAM pages identified in the **stmt** statement are not deleted.

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support.

**DIP943E MIGRATED elem CONVERSION ERROR WHILE PROCESSING STMT stmt**

**Explanation:** During execution of the CTDDIP utility, a return code was received that indicated an invalid conversion of a database element from an original to a migrated file

Additional information is provided in the DIP94AE message, which follows this message.

The variables in this message are:

- **elem** - the problematic database element
  Valid values are:
  - CDAM RBA - The invalid conversion was of the original CDAM RBA from an Index file to a migrated CDAM RBA. The CDAM and Index files are identified in the DIP94AE message.
  - CDAM NAME - The invalid conversion was of the original CDAM name to a migrated CDAM name. The CDAM file is identified in the DIP94AE message.
  - INDEX FILE NAME - The invalid conversion was of the original Index file name to a migrated Index file name. The Index file is identified in the DIP94AE message.
stmt - the number of the problematic statement

The CTDDIP utility continues, but ends with a condition code of 04. The index values and CDAM pages identified in the stmt statement are not deleted.

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support.

DIP944E OPEN FILE ERROR WHILE PROCESSING STMT stmt

**Explanation:** During execution of the CTDDIP utility, the opening of an Index or CDAM file failed. Additional information is provided in the DIP94AE message, which follows this message.

In this message, stmt is the number of the problematic statement.

The CTDDIP utility continues, but ends with a condition code of 04. The index values and CDAM pages identified in the stmt statement are not deleted.

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support.

DIP945S UNEXPECTED RC= rc AFTER PHASE phase FOR STMT stmt

**Explanation:** An unexpected internal return code was issued at the conclusion of some phase of the execution of the CTDDIP utility.

The variables in this message are:

- rc - the internal return code
- phase - the identity of the phase that had concluded
- stmt - the number of the problematic statement

The CTDDIP utility ends with a condition code of 08.

**Corrective Action:** Ask your INCONTROL administrator to contact BMC Software Customer Support.

DIP946S SORT ERROR RC= rc

**Explanation:** During execution of the CTDDIP utility, a sort program was activated internally, but the sort program ended with an unexpected internal return code.

In this message, rc is the unexpected internal return code.

The CTDDIP utility ends with a condition code of 08.

**Corrective Action:** Examine the messages issued by the sort program and the documentation relating to that program to determine the cause of the error, and take appropriate corrective action.

DIP947S OPEN FILE ddName ERROR

**Explanation:** During execution of the CTDDIP utility, the opening of a file failed.

Possible causes are:
The ddName DD statement is missing.

The data set described by the ddName DD statement contains incorrect DCB parameters.

The data set described by the ddName DD statement cannot be opened for sequential read or write operations.

In this message, ddName is the name of the problematic DD statement.

The CTDDIP utility ends with a condition code of 08.

**Corrective Action:** Do one of the following:

- Correct the JCL of the CTDDIP utility and rerun the job.
- Delete either the two working data sets or the input data set, and rerun the job. In this case, when the job is rerun, CTDDIP recreates the necessary data sets.

**DIP948S INSUFFICIENT MEMORY**

**Explanation:** There is insufficient available storage to run the CTDDIP utility.

The CTDDIP utility ends with a condition code of 08.

**Corrective Action:** Increase the REGION size of the utility, and rerun the utility.

**DIP94AE dsn_typ DSN= dsn**

**Explanation:** An invalid data set name was encountered.

This message is accompanied by another message providing more information.

The variables in this message are:

- dsn_typ - the data set type of the data set with the invalid name
  Valid values are:
  - CDAM FILE
  - INDEX FILE
- dsn - the invalid data set name

**Corrective Action:** Examine the accompanying messages for information about the error and the resulting System Action, and take the appropriate corrective action.

**DIV messages**

This group includes messages for the Control-M/Analyzer product.

**Messages DIV900 through DIV9xx**

This group includes messages for the Control-M/Analyzer product.
DIV961I CONTROL-M/ANALYZER UTILITY CTBDBVIG STARTED

**Explanation:** This information message indicates the normal start of the CTBDBVIG Control-M/Analyzer database integrity-checking utility.

**Corrective Action:** No action is required.

DIV962S INSUFFICIENT STORAGE TO RUN UTILITY CTBDBVIG

**Explanation:** The CTBDBVIG Control-M/Analyzer utility requires more storage to perform an integrity check on a Control-M/ Data file.

The utility stops executing with a condition code of 12.

**Corrective Action:** Increase the REGION size, and rerun the job.

DIV963S CONTROL-M/ANALYZER DATA FILE OPEN FAILED

**Explanation:** The CTBDBVIG Control-M/Analyzer utility could not open the Control-M/Analyzer Data file for which integrity checking was requested. Possible causes are:

- The DAMODD DD statement is missing.
- The DAVARD DD statement is missing.
- The file referenced by the DAMODD or DAVARD DD statement is not a Control-M/Analyzer data file.
- An error occurred while attempting to open one of the files pointed to by the DAMODD or DAVARD DD statement.

The utility stops executing with a condition code of 20.

**Corrective Action:** Correct the JCL, and rerun the job. If the error persists, notify your INCONTROL administrator.

DIV965I INTEGRITY ERRORS DETECTED. TO CORRECT, SPECIFY "ACT=W"

**Explanation:** This information message indicates that the CTBDBVIG Control-M/Analyzer utility detected integrity errors while checking the Control-M/Analyzer database.

The utility stops executing with a condition code of 32.

**Corrective Action:** Notify your INCONTROL administrator before rerunning the utility.

DIV966S ERROR UPDATING CONTROL-M/ANALYZER DATA FILES

**Explanation:** The CTBDBVIG Control-M/Analyzer utility failed due to an internal error.

The utility stops executing with a nonzero condition code.

**Corrective Action:** Notify your INCONTROL administrator.

DIV967S BAD RBA ENCOUNTERED WHILE SCANNING MODELS FILE AT BLOCK= blk RECORD= rec

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an invalid RBA while checking the rec record.
The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**DIV968S I NCONSISTENT NAMING AT BLOCK= blk RECORD= rec IN MODELS FILE**

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an error while checking the rec record. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**DIV969S BAD RBA ENCOUNTERED WHILE SCANNING VARIABLES AT BLOCK= blk RECORD= rec**

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an error while checking the rec record in the modules file. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**DIV96AS MULTIPLE REFERENCES TO BASE AT BLOCK= blk RECORD= rec**

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an error while checking the rec record. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**DIV96BS MULTIPLE REFERENCES TO VARIABLE AT BLOCK= blk RECORD= rec**

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an error while checking the rec record. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**DIV96CS UNREFERENCED VARIABLE AT BLOCK= blk RECORD= rec**

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an unreferenced variable while checking the rec record. The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

**DIV96DI CONTROL-M/ANALYZER UTILITY CTBDBVIG ENDED**

**Explanation:** This information message indicates the normal termination of the CTBDBVIG Control-M/Analyzer utility, the Control-M/Analyzer database integrity-checking utility.

**Corrective Action:** No action is required.
DIV96ES INCONSISTENT NAMING AT BLOCK= blk RECORD= rec IN VARIABLES FILE

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an error while checking the record identified in the message.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

DIV96FI VARIABLES DATA BASE INTEGRITY HAS BEEN VALIDATED

**Explanation:** This information message indicates the database integrity validation process has been completed by the CTBDBVIG Control-M/Analyzer utility.

**Corrective Action:** No action is required.

DIV970S UNREFERENCED BASE AT BLOCK= blk RECORD= rec

**Explanation:** The CTBDBVIG Control-M/Analyzer utility detected an error while checking the record indicated in the message.

The utility continues executing.

**Corrective Action:** Notify your INCONTROL administrator.

DIV971S ERROR OPENING SYSPRINT

**Explanation:** This information message indicates that the CTBDBIV Control-M/Analyzer utility failed to open the print file referenced by the SYSPRINT DD statement.

Possible causes are:
- The SYSPRINT DD statement is missing.
- The data set referenced by the SYSPRINT DD statement cannot be accessed for sequential write.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

DIX messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages DIXG00 through DIXGxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
DI XGA0I DELETE OF UNNEEDED INDEX FILES STARTED

Explanation: This information message identified that the CTVDELI utility began execution. This utility scans the Migrated User Report List file and erases index files and index records that are no longer needed.

Corrective Action: No action is required.

DI XGA1I DELETE OF UNNEEDED INDEX FILES ENDED OK

Explanation: This information message indicates that the CTVDELI utility finished executing without errors. This utility scans the Migrated User Report List file and erases index files and index records which are no longer needed.

Corrective Action: No action is required.

DI XGA2S DELETE OF UNNEEDED INDEX FILES ENDED WITH ERRORS

Explanation: The CTVDELI utility ended with errors. This utility scans the Migrated User Report List file and erases index files and index records that are no longer needed. The problem is described in one or more preceding messages.

The CTVDELI utility terminates with a return code of 08.

Corrective Action: Check preceding error messages, correct the problem, and rerun the job.

DI XGA3I DATASET dsn WILL BE DELETED

Explanation: This information message indicates that the CTVDELI utility will delete the dsn index file. The CTVDELI utility scans the Migrated User Report List file and erases index files that are no longer needed.

Corrective Action: No action is required.

DI XGA4E INVALID PARAMETER: - parm

Explanation: The parm parameter is not valid for the CTVDELI utility. This message is issued by the CTVDELI Control-V utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Correct the parameter syntax and resubmit the job. For more information, refer to the CTVDELI utility in the INCONTROL for z/OS Utilities Guide.

DI XGA5E MISSING PARAMETER AFTER: - parm

Explanation: A subparameter of the parm parameter is missing. This message is issued by the CTVDELI Control-V utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Correct the parameter syntax, and resubmit the job. For more information, refer to the CTVDELI utility in the INCONTROL for z/OS Utilities Guide.
DIXGA6E REDUNDANT PARAMETER: - parm

**Explanation:** The parm parameter is specified more than once in the CTVDELI utility. This message is issued by the CTVDELI Control-V utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The CTVDELI utility terminates with a condition code of 08.

**Corrective Action:** Remove the redundant parameter, and resubmit the job. For more information, see the CTVDELI utility in the *INCONTROL for z/OS Utilities Guide*.

DIXGA7E OPEN OF MIGRATED USER REPORTS LIST FILE FAILED. DDNAME "DAVMIG"

**Explanation:** Open of the Control-V Migrated User Report List file failed. This file is referenced by the DAMIG DD statement. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file and erases index files that are no longer needed.

Possible causes are:

- The DAMIG DD statement is missing.
- The data set referenced by the DAMIG DD statement is not a Control-V Migrated User Report List file.
- The Migrated User Report List file referenced by the DAMIG DD statement belongs to another monitor, or was produced by a different version of Control-V.

The CTVDELI utility terminates with a condition code of 08.

**Corrective Action:** Correct the JCL for the CTVDELI utility, and rerun the job. For more information, refer to the CTVDELI utility in the *INCONTROL for z/OS Utilities Guide*.

DIXGA8E OPEN OF PARAMETERS FILE FAILED. DDNAME DADELIN

**Explanation:** Open of the Parameters file for the CTVDELI utility failed. Possible causes are:

- The DADELIN DD statement is missing.
- The data set referenced by the DADELIN DD statement cannot be opened for sequential read.

The CTVDELI utility terminates with a condition code of 12.

**Corrective Action:** Correct the JCL, and rerun the job. For more information, see the CTVDELI utility in the *INCONTROL for z/OS Utilities Guide*.

DIXGA9E OPEN OF SORT FILE FAILED. DDNAME ddName

**Explanation:** The SORT utility invoked by the CTVDELI utility failed to open the data set referenced by the ddName DD statement.

The CTVDELI utility stops.

**Corrective Action:** Ensure all DD statements are valid. Rerun the CTVDELI utility. For more information, see the CTVDELI utility in the *INCONTROL for z/OS Utilities Guide*. 

1469
DIXGAAE INVALID RETURN CODE FROM SORT, RC=rc

Explanation: The internal sort program ended with errors. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file and erases index files that are no longer needed. The utility uses the site sort program.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Check the explanations of the sort messages for the job in the manual for your sort facility.

DIXGABI WAITING FOR A CTDDELRP, RESTORE OR ANOTHER CTVDELI JOB TO TERMINATE

Explanation: This information message indicates that the CTVDELI utility is waiting for a CTDDELRP job, a restore job, or another CTVDELI job to terminate. The CTVDELI utility scans the Migrated User Report List file, and erases index files that are no longer needed. To ensure data integrity, CTVDELI cannot run concurrently with the CTDDELRP utility, a restore job, or another CTVDELI job.

When the contending job terminates, the CTVDELI utility resumes processing.

Corrective Action: No action is required.

DIXGACE NO INPUT PARAMETERS WERE SUPPLIED

Explanation: The CTVDELI utility did not receive input parameters by means of a SYSIN DD statement.

The CTVDELI utility scans the Migrated User Report List file, and erases index files that are no longer needed. The utility requires input parameters indicating which actions it should perform.

The CTVDELI utility terminates with a condition code of 08.

Corrective Action: Verify that input parameters are specified by means of a SYSIN DD statement. Rerun the CTVDELI utility.

DIXGADI *** PARM=TEST SPECIFIED - SIMULATION MODE ***

Explanation: This information message indicates that the CTVDELI utility is running in SIMULATION mode. In SIMULATION mode, the CTVDELI utility produces a report that indicates which indexes would have been deleted if the utility were running in PRODUCTION mode.

Corrective Action: Examine CTVDELI output to determine if the proper indexes would have been deleted from disk. Make any changes required to prevent the incorrect deletion of indexes that are needed for any reason. Rerun the utility in PRODUCTION mode to actually delete unneeded indexes from disk.

DIXGAEE LOCATE ERROR FOR INDEX dsn

Explanation: The CTVDELI utility encountered index dsn, which could not be located, possibly because the data set is not cataloged. The CTVDELI utility scans the Migrated User Report List file and erases unneeded index files.

The index whose data set name is dsn is not deleted.

Corrective Action: Determine why the data set could not be located. Correct the problem. Rerun the CTVDELI utility if necessary.
DI XGAFE ERROR DELETING INDEX dsn - FILE SKIPPED

**Explanation:** The CTVDELI utility encountered index dsn, which could not be deleted. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file, and erases index files that are no longer needed. Possible reasons:

- The data set was not found on the device indicated in the catalog.
- The device on which the data set exists is not online.
- Another reason.

The index whose data set name is dsn is not deleted.

**Corrective Action:** Determine why the data set could not be deleted. Correct the problem. Rerun the job if necessary.

DI XGAGE ERROR UNCATALOGING INDEX dsn - FILE SKIPPED

**Explanation:** The CTVDELI utility encountered the dsn index, which could not be uncataloged. This message is issued by the CTVDELI utility, which scans the Migrated User Report List file, and erases index files that are no longer needed.

The index is not uncataloged.

**Corrective Action:** Determine why the data set could not be uncataloged. Correct the problem. Rerun the job if necessary.

DLD messages

This group includes messages for the IOA (infrastructure) product.

Messages DLD900 through DLD9xx

This group includes messages for the IOA (infrastructure) product.

DLD952S ERROR OPENING SEQUENTIAL FILE

**Explanation:** The IOADLD utility detected an error while opening a sequential file from which it is to read the records.

The IOADLD utility terminates with a return code of 16.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error, and rerun the job. If the error persists, contact BMC Software Customer Support.

DLD953S ERROR OPENING DATABASE FILE

**Explanation:** The IOADLD utility detected an error while opening the IOA Access Method Database file.

The IOADLD utility terminates with a return code of 20.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error, and rerun the job. If the error persists, contact BMC Software Customer Support.
DLD955I UTILITY IOADLD STARTED

**Explanation:** This information message indicates the normal start of the IOADLD utility. The IOADLD utility creates an IOA Access Method data file from the data in a sequential file that was previously created by the IOADUL utility.

**Corrective Action:** No action is required.

DLD956I UTILITY ENDED WITH RETURN CODE `num`

**Explanation:** This information message indicates that the IOADLD utility terminated.

The IOADLD utility terminates with a return code of `num`.

**Corrective Action:** If the IOADLD utility ended with a non-zero return code, check for other error messages to determine the problem.

DLD957S ERROR IN IOAPARM LOADING

**Explanation:** The IOADLD utility detected an error while loading the IOAPARM member.

The IOADLD utility terminates with a return code of 4.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error, and rerun the job. If the error persists, contact BMC Software Customer Support.

DLD958S ERROR IN WRITE INTO THE DATABASE FILE

**Explanation:** The IOADLD utility detected an error while adding records to the IOA Database Access Method. A likely reason is that there is not enough space for the IOA Database Access Method.

The IOADLD utility terminates with a return code of 4.

**Corrective Action:** Do the following:
1. Check the system job log for more information.
2. Use the IOADBF utility to allocate a new file with bigger SPACE parameter values.
3. Re-run the job.
4. If the error persists, contact your INCONTROL administrator.

DLD960S ERROR WHILE CLOSING THE DATABASE FILE

**Explanation:** The IOADLD utility detected an error while closing the IOA Access Method file.

The IOADLD utility terminates with a return code of 30.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error, and rerun the job. If the error persists, contact BMC Software Customer Support.

DLD970I RENUM INDICATOR IS R

**Explanation:** This information message indicates that the RENUM parameter was specified when running the IOADLD load utility.

**Corrective Action:** No action is required.
DLD971S OFFSET IS NOT NUMERIC

**Explanation:** A nonnumeric offset value was specified for the RENUM parameter. Three values are specified for the RENUM parameter. The second value, the offset, must be numeric.

The IOADLD utility terminates.

**Corrective Action:** Correct the parameter values, and resubmit the job. For more information, see the IOADLD utility in the *INCONTROL for z/OS Utilities Guide*.

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DLD972S LENGTH IS NOT NUMERIC

**Explanation:** A nonnumeric length was specified for the RENUM parameter. Three values are specified for the RENUM parameter. The third, length, must be numeric.

The IOADLD utility terminates.

**Corrective Action:** Correct the parameter values, and resubmit the job. For more information, see the IOADLD utility in the *INCONTROL for z/OS Utilities Guide*.

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DLD973S INPUT FILE IS NOT SORTED CORRECTLY

**Explanation:** When loading the input file to the Control-O Variables file, the RENUM parameter was specified for the IOADLD load utility. However, the input file had not been sorted. This message occurs when loading the input file to the Control-O Variables file.

If the RENUM parameter is specified for the IOADLD utility, the records of the input file are sorted, renumbered, and then sorted in the positions specified by the offset and length values. However, after the renumbering process, the IOADLD utility found that the records were not sorted properly.

The IOADLD utility terminates.

**Corrective Action:** Correct the parameter values, and resubmit the job. For more information, see the IOADLD utility in the *INCONTROL for z/OS Utilities Guide*.

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**DMI messages**

This group includes messages for the Control-O product.

**Messages DMI 600 through DMI 6xx**

This group includes messages for the Control-O product.

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**DMI 670E ACB CONTROL BLOCK IS NOT VALID**

**Explanation:** The alternate subsystem encountered an ACB control block that does not have a valid identifier.

The Control-O subsystem terminates the connection between the alternate subsystem and the Control-O subsystem.

**Corrective Action:** Contact BMC Software Customer Support.
DMI 671E SSI ROUTINE SUBSYSTEM IS INACTIVE

**Explanation:** The CTODMI alternate subsystem module failed to invoke the Control-O subsystem. Because the Control-O subsystem is not active, there is no connection between the alternate subsystem and the Control-O subsystem. Communication between the alternate subsystem and the Control-O subsystem fails.

**Corrective Action:** Reactivate Control-O in order to reestablish communication.

DMI 672E SSI ROUTINE DETECTED AN ERROR

**Explanation:** Control-O encountered an internal error (a return code of 16) while attempting to process the SSI request to transmit information from the alternate subsystem to the Control-O subsystem. The information is not transmitted.

**Corrective Action:** Contact BMC Software Customer Support.

DMI 673E SSI ROUTINE RETURNED AN UNDEFINED RETURN CODE

**Explanation:** Control-O encountered an internal error (a return code of 20) while processing an SSI request. The alternate subsystem was trying to transmit data to the Control-O subsystem. The data is not transmitted.

**Corrective Action:** Contact BMC Software Customer Support.

DMI 674E CTO SSCT POINTER NOT SET - SSI ROUTINE INVOCATION BYPASSED

**Explanation:** The pointer to the Control-O subsystem SSCT was not set. The initialization process normally sets the pointer to the Control-O subsystem SSCT. Communication between the Control-O subsystem and the alternate subsystem terminates.

**Corrective Action:** Contact BMC Software Customer Support.

DSH messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages DSH900 through DSH9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**DSH947I TAPE num - EXPIRED**

**Explanation:** This is an information message of the CTVCLMIG utility, which indicates that all datasets residing on the specified tape volume are expired. All entries referred to this volume are deleted from the Migrated User File.
Corrective Action: Return the expired tape to the Global Tape Pool.

DSH948E INSUFFICIENT MEMORY TO COMPLETE PROCESSING OF THE FILE. RUN THE UTILITY AGAIN
Corrective Action: Increase the REGION size. Increase the memory allocation for $SYSDATA records that can be set as the DATA parameter in optional Wish WD2403. Run the CTVCLMIG utility again.

Messages DSHD00 through DSHDxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

DSHD73E INVALID RETURN CODE FROM SORT, RC=rc
Explanation: A failure was detected in the SORT utility phase of the CTVCLMIG utility. The main program of the CTVCLMIG utility received a return code higher than zero from the SORT utility phase. The program terminates with a return code of 08.
Corrective Action: Additional information is in the Job log and the SORT messages. Correct all reported problems, and rerun the CTVCLMIG utility.

DSHD74E OPEN OF SORT FILE FAILED. DDNAME dsn
Explanation: An OPEN failure for the dsn DD name was detected for the CTVCLMIG utility. The main program of the CTVCLMIG utility could not open the dsn DD statement. The specified DD statement is probably missing in the JCL for the CTVCLMIG utility. The program terminates with a return code of 08.
Corrective Action: Add the missing DD statement and rerun the CTVCLMIG utility.

DSHD75I WAITING FOR CTVCLMIG JOB TO TERMINATE dsn
Explanation: This information message indicates that the CTVCLMIG Control-D utility is waiting for another CTVCLMIG job to terminate. The CTVCLMIG utility clears unnecessary entries from the Migrated User Report List file. To maintain data integrity, the CTVCLMIG utility cannot run concurrently with another CTVCLMIG job. When the contending job terminates, CTVCLMIG resumes processing.
Corrective Action: No action is required.

DSHD76E INVALID PARAMETER, VALID PARAMETER: MODE=TEST OR MODE=PROD
Explanation: An invalid MODE parameter was specified when running for the CTVCLMIG utility. The CTVCLMIG utility terminates with a return code of 12.
Corrective Action: Correct the MODE parameter to either TEST or PROD, and rerun the CTVCLMIG utility.

DSHD77I *** PARM=TEST SPECIFIED - SIMULATION MODE ***

Explanation: This information message indicates that the CTVCLMIG utility ran in simulation mode. In this mode, messages are generated that indicate what actions would normally be performed. These actions are not performed, nor are any files changed.

Corrective Action: Before rerunning the CTVCLMIG utility in production mode, check its sysout.

DSHD78I NUMBER OF DELETED USER RECORDS = num

Explanation: This information message indicates how many user records were deleted by the CTVCLMIG utility.

Corrective Action: No action is required.

DSHD79I NUMBER OF DELETED SYSDATA RECORDS = num

Explanation: This information message indicates how many SYSDATA records were deleted by the CTVCLMIG utility.

Corrective Action: No action is required.

DSHD7AI NUMBER OF DELETED NOTEPAD RECORDS = num

Explanation: This information message indicates how many notepad records were deleted by the CTVCLMIG utility.

Corrective Action: No action is required.

DSHD7BI NUMBER OF DELETED $INDEX RECORDS = num

Explanation: This information message indicates how many index records were deleted by the CTVCLMIG utility.

Corrective Action: No action is required.

DSHD7CI RECORD WITH INCORRECT TYPE type FOR userName jobName IS DELETED

Explanation: This information message indicates that the CTVCLMIG utility found a record with an invalid type for the Migrated Report List file. Records of type type cannot appear in the Migrated Report list. The problematic record might have been created by a previous version of Control-D.

The variables in this message are:

- **userName** - the value in the USERNAME field of the problematic record
- **jobName** - the value in the JOBNAME field of the problematic record

The problematic record is deleted by the CTVCLMIG utility.

Corrective Action: No action is required.
DSHD7DI DELETING ORPHAN INDEX RECORDS

**Explanation:** This information message is issued by the CTVCLMIG utility and indicates that the utility has entered the stage where it is deleting orphaned INDEX records.

**Corrective Action:** No action is required.

DSHD7GI DELETING USER AND ORPHAN INDEX RECORDS

**Explanation:** This information message is issued by the CTVCLMIG utility and indicates that the utility has entered the stage where it is deleting expired USER and orphaned INDEX records.

**Corrective Action:** No action is required.

Messages DSHG00 through DSHGxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

DSHG80I CLEANING OF MIGRATED USER REPORTS LIST FILE STARTED

**Explanation:** This information message indicates that the CTVCLMIG utility, which cleans entries from the Migrated User Report List file, has started.

**Corrective Action:** No action is required.

DSHG82E LOCATE ERROR FOR "dsn", RC=rc

**Explanation:** The CTVCLMIG utility encountered a CDAM file name that could not be found in the catalog. The dsn data set may have been deleted or uncataloged.

The dsn data set is ignored.

**Corrective Action:** Check the output of the CTVCLMIG utility, and try to resolve the problem.

DSHG83I CLEANING OF MIGRATED USER REPORTS LIST FILE ENDED OK

**Explanation:** This information message indicates that the CTVCLMIG utility, which cleans entries from the Migrated User Report List file, has ended without errors.

**Corrective Action:** No action is required.

DSHG84S CLEANING OF MIGRATED USER REPORTS LIST FILE ENDED WITH ERRORS

**Explanation:** The CTVCLMIG utility, which cleans entries from the Migrated User Report List file, ended with errors. The problem is described by earlier messages.

The utility ends with a return code of 08.

**Corrective Action:** Check the earlier error messages, correct the problem, and rerun the job.
DSHG85S INVALID INPUT PARAMETER

**Explanation:** An invalid parameter was specified in the PARM field of the EXEC JCL statement activating the CTVCLMIG utility and passed to the CTVCLMIG utility. The only valid parameter values are MIG or blank.

The utility ends with a return code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

DSHG86W NOLOCATE OPTION IS NOT ALLOWED WHEN TAPE LIST IS REQUIRED

**Explanation:** The NOLOCATE parameter was specified for the CTVCLMIG utility while the utility was being used to produce a list of expired tapes. To produce a list of expired tapes, CTVCLMIG must issue a LOCATE option for migrated files.

LOCATE is issued for the migrated files.

**Corrective Action:** Refer to the INCONTROL for z/OS Utilities Guide to determine what parameters are required for CTVCLMIG to produce a list of current tapes. Adjust the utility parameters as necessary and rerun CTVCLMIG.

DSHG88I READING SYSDATA RECORDS

**Explanation:** This information message indicates that the CTVCLMIG utility started reading SYSDATA records. To calculate the time used for this stage of the utility, compare the time stamp of this message with the time stamp of the next DSHG8AI message.

**Corrective Action:** No action is required.

DSHG89I num SYSDATA RECORDS READ

**Explanation:** This information message indicates the number of records in the SYSDATA file.

**Corrective Action:** No action is required.

DSHG8AI DELETING USER RECORDS

**Explanation:** This information message indicates that the CTVCLMIG utility started deleting user records. To calculate the time used for this stage of the utility, compare the time stamp of this message with the time stamp of message the next DSHG8BI message.

**Corrective Action:** No action is required.

DSHG8BI DELETING SYSDATA RECORDS

**Explanation:** This information message indicates that the CTVCLMIG utility started deleting SYSDATA records. To calculate the time used for this stage of the utility, compare the time stamp of this message with the time stamp of the next DSHG8CI message.

**Corrective Action:** No action is required.
DSHG8CI  num USER RECORDS READ

**Explanation:** This information message indicates the total number of records that have been read.

**Corrective Action:** No action is required.

DSHG8DE SYSDATA RECORD NOT FOUND FOR USER RECORD userName
jobName

**Explanation:** During a run of the CTVCLMIG utility, Control-V found a USER record with no matching SYSDATA record. Unless requested by means of the NOSYS parameter, the utility scans all user records in the Migrated User Report file, and checks if each has a matching SYSDATA record. If a SYSDATA record is not found, this message is issued and the user record is deleted.

The variables in this message are:
- **userName** - User name for the report entry.
- **jobName** - Job name for the report entry.
- **recordOdate** - ODATE for the report entry.
- **recordKey** - Full key for the report entry.

The user record is deleted. IOA should not be able to delete SYSDATA records from the User screen.

**Corrective Action:** Investigate the cause of this error. This error may indicate a problem with the SORT utility used by the CTVCLMIG utility.

DSHG8EE SYSDATA RECORD NOT FOUND FOR INDEX RECORD jobName

**Explanation:** During a run of the CTVCLMIG utility, Control-V found an index record with no matching SYSDATA record. The CTVCLMIG utility scans all index records in the Migrated User Report List file and checks if they have a matching SYSDATA record.

The variables in this message are:
- **jobName** - the job name for the index record
- **odate** - the ODATE for the index record
- **key** - the index key for the index record

The index record and the index file are deleted. IOA should not be able to delete SYSDATA records from the User Report List screen.

**Corrective Action:** Investigate the cause of this error. If the cause is not found, contact BMC Software Customer Support.

DSHG8FE USER RECORD IS NOT FOUND FOR SYSDATA RECORD jobName

**Explanation:** The Migrated User Report file contains an “orphan” SYSDATA record, meaning a record that is not referred to by any USER record.
This message might also be issued when the CTVCLMIG utility is called with the NOSYS parameter set to S.

The variables in this message are:
- `jobName` - the name of the job to which the orphan SYSDATA record belongs
- `jobId` - the MVS identifier of the job to which the orphan SYSDATA record belongs
- `odate` - the originating date of the report to which the orphan SYSDATA record belongs
- `counter` - the counter part of the orphan SYSDATA record key

The orphan SYSDATA record is removed from the Migrated User Report file.

**Corrective Action:** No action is required.

**DSHG8GE**  
**CONTROL-M/TAPE API START ERROR**  
**RC= rc REASON= rsn**  
**URC= urc**

**Explanation:** An error occurs when the CTVCLMIG utility tries to start the Control-M/TAPE interface CTTAPI.

The variables in this message are:
- `rc` - return code from CTTAPI
- `rsn` - reason code from CTTAPI
- `urc` - user reason code from CTTAPI

The CTVCLMIG utility ends with a return code of 08.

**Corrective Action:** Perform the following steps:
1. Examine the return and reason code to identify the problem. Refer to message CTT203I for an explanation of these codes.
2. Correct the problem.
3. Rerun the utility.

**DSHG8HE**  
**CTT SCRATCH ERROR**  
**dsname VOL= volser LAB= label RC= rc**  
**REASON= rsn URC= urc**

**Explanation:** An error occurs when the CTVCLMIG utility calls CTTAPI to scratch data set `dsname` stored on volume `volser` with seq.number `label`.

The variables in this message are:
dsname - the data set name
volser - the volume name
label - the sequence number of the volume
rc - return code from CTTAPI
rsn - reason code from CTTAPI
urc - user reason code from CTTAPI

The CTVCLMIG utility continues to work.

**Corrective Action:** Perform the following steps:

1. Examine the return and reason code to identify the problem. Refer to message CTT203I for an explanation of these codes.
2. Contact your INCONTROL administrator.

DSHG8IE CTT SCRATCH ERROR VOLSER= volser RC= rc REASON= rsn URC= urc

**Explanation:** An error occurs when the CTVCLMIG utility calls CTTAPI to scratch volume volser.

The variables in this message are:

- volser - the volume name
- rc - return code from CTTAPI
- rsn - reason code from CTTAPI
- urc - user reason code from CTTAPI

The CTVCLMIG utility continues to work.

**Corrective Action:** Perform the following steps:

1. Examine the return and reason code to identify the problem. Refer to message CTT203I for an explanation of these codes.
2. Contact your INCONTROL administrator.

DSHG8KE PARAMETER CTT IS SPECIFIED WHEN CONTROL-M/TAPE IS NOT ACTIVE

**Explanation:** The user specified the CTT parameter to the CTVCLMIG utility to notify Control-M/Tape of deleted Control-V data sets or released volumes, but Control-M Tape is not active in the system.

The CTVCLMIG utility ends with a return code of 08.

**Corrective Action:** Start the CTTINIT procedure to activate Control-M/TAPE. Then rerun the CTVCLMIG utility.
DSHG8ME PARAMETER CTT IS SPECIFIED WHEN PARAMETER CTVINTR IN CTTPARM IS NONE

Explanation: The user specified the CTT parameter to the CTVCLMIG utility to notify Control-M/Tape of deleted Control-V datasets or released volumes, but parameter CTVINTR in the CTTPARM member is set to NONE.

The CTVCLMIG utility ends with a return code of 08.

Corrective Action: Check the CTTPARM member. Refer Control-M/Tape experts to set the needed value of the parameter CTVINTR. Then rerun the CTVCLMIG utility.

DSHG8NE INVALID EXPDATE PARAMETER

Explanation: An invalid date is specified in the EXPDATE parameter or this parameter is specified in the PROD mode, although it should be specified in the TEST mode only.

The CTVCLMIG utility ends with a return code of 12.

Corrective Action: Correct the EXPDATE parameter and rerun the utility.

DSHG8PW FILE dsName MOVED FROM vsavol TO catvol OUTSIDE OF CONTROL-V

Explanation: The CTVCLMIG utility detected an expired migrated file, which was moved from the tape volume to which it was migrated to another volume outside of Control-V. This warning message is issued when the utility runs in the modes LOC=NOLOCATE and TAPELIST=YES.

The variables in this message are:

- dsName - Migrated dataset name.
- vsavol - Volume serial number to which the file was migrated.
- catvol - Volume serial number where the file currently resides.

Corrective Action: This message warns the user that the list of expired tapes issued by the utility can be incorrect. The user should try to find out if the vsavol tape volume has been completely moved to catvol, or only some files have been moved to catvol. In the first case, the list of expired tapes issued by the utility is correct and the message can be ignored. In the second case, the message means that the list of expired tapes issued by the utility can be incorrect and should not be used. If the migrated files are moved from one tape volume to another outside of Control-V, CTVCLMIG can issue a correct list of expired tapes in LOC=LOCATE mode only.

DSM messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
Messages DSMC00 through DSMCxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

DSMC01I UPDATING OF ACTIVE USER REPORTS FILE STARTED

**Explanation:** This information message indicates that the CTDDSM program started. The CTDDSM program is the second step of the CTDDELRP utility. It updates and deletes records from the Active User Report file according to information in the work file built by the first step of the CTDDELRP utility.

**Corrective Action:** No action is required.

DSMC02I UPDATING OF ACTIVE USER REPORTS FILE ENDED OK

**Explanation:** This information message indicates that the CTDDSM program ended without errors. The CTDDSM program is the second step of the CTDDELRP utility. It updates and deletes records from the Active User Report file, according to information in the work file built by the first step of the CTDDELRP utility.

**Corrective Action:** No action is required.

DSMC03S UPDATING OF ACTIVE USER REPORTS FILE ENDED WITH ERRORS

**Explanation:** An unrecoverable processing error was encountered by the CTDDSM program. The CTDDSM program, which is the second step of the CTDDELRP utility, updates and deletes records from the Active User Report file, according to information in the work file built by the first step of the CTDDELRP utility.

The CTDDSM program terminates with a condition code of 8.

**Corrective Action:** Check previously issued IOA Log file and system log messages to determine the cause of the error. Correct the problem and rerun the job.

DSMC05E OPEN OF INPUT FILE FAILED. DDNAME ‘DADSOIN’

**Explanation:** The CTDDSM program failed to open the work file referenced by the DADSOIN DD statement.

The CTDDSM program is the second step of the CTDDELRP utility. It updates and deletes records from the Active User Report file, according to information in the work file built by the first step of the CTDDELRP utility.

The CTDDSM program terminates with a condition code of 08.

**Corrective Action:** Check previously issued IOA Log file and system log messages to determine the cause of the error. Correct the problem and rerun the job.

DSMC06E OPEN OF REPORT LIST FAILED. DDNAME "DAREPLA"

**Explanation:** The CTDDELRP utility was called with the REPLIST parameter set to YES, but one of the following occurred:
It failed to open the data set specified in the DAREPLA DD statement.

The JCL of the utility contains no DAREPLA DD statement.

The utility terminates with a return code of 8.

**Corrective Action:** Correct the JCL and recall the utility.

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### DSMC07E INVALID PARAMETER: - parmValue

**Explanation:** The CTDDELRP utility has been called with the REPLIST parameter set to a value that is invalid.

Valid values for the REPLIST parameter are:

- YES
- NO

In this message, `parmValue` is the incorrect value that was entered for the REPLIST parameter.

The utility terminates with a return code of 8.

**Corrective Action:** Call your INCONTROL administrator.

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### DSO messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

### Messages DSO900 through DSO9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

#### DSO930I DELETE OF UNNEEDED REPORTS STARTED

**Explanation:** This information message is the normal start message of the CTDDELRP utility. CTDDELRP is used to clean unnecessary entries from the Active User Report List file, and to erase the compressed sysout data sets that belong to them from the disk.

**Corrective Action:** No action is required.

#### DSO931I DELETE OF UNNEEDED REPORTS ENDED OK

**Explanation:** This information message is the normal end message of the CTDDELRP utility. CTDDELRP is used to clean unnecessary entries from the Active User Report List file, and to erase the compressed sysout data sets that belong to them from the disk.

**Corrective Action:** No action is required.

#### DSO933S DELETE OF UNNEEDED REPORTS ENDED WITH ERRORS

**Explanation:** The CTDDELRP utility ended with errors. Earlier messages describe the problem.
The CTDDELRP utility ends with a return code of 08.

**Corrective Action:** Check the earlier messages, correct the problem, and rerun the job.

**DSO934E INSUFFICIENT STORAGE. ATTEMPT TO RERUN**

**Explanation:** Insufficient storage to run the CTDDELRP utility.

**Corrective Action:** Increase the REGION size of the utility and rerun.

**DSO935I DATASET dsn WILL BE DELETED**

**Explanation:** This information message is from the CTDDELRP utility, which cleans unnecessary entries from the Active User Report List file and deletes CDAM data sets. It is issued when the compressed data set is added to list of data sets to be scratched. The data set is deleted in the next step of the job.

**Corrective Action:** No action is required.

**DSO936I JOB jobName JOBID jobId IS WAITING FOR BACKUP BY missionName missionName missionName missionName missionName**

**Explanation:** This information message from the CTDDELRP utility, which cleans unnecessary entries from the Active User Report List file, indicates that the jobName job is ready for backup by any of the Backup Missions listed. The sysout compressed data sets for the jobName job are not deleted until one of the Backup Missions listed runs successfully.

**Corrective Action:** No action is required.

**DSO937E INVALID PARAMETER: - parm**

**Explanation:** Invalid parameter for the CTDDELRP Control-D utility. This error message is issued by the CTDDELRP Control-D utility, which cleans unnecessary entries from the Active User Report List file. For more details, refer to the CTDDELRP utility in the INCONTROL for z/OS Utilities Guide.

The CTDDELRP Control-D utility terminates with a condition code of 08. The Active User Report List file is not cleaned.

**Corrective Action:** Correct the parameter syntax in the CTDDELRP utility.

**DSO938E MISSING PARAMETER AFTER: - parm**

**Explanation:** The subparameter after parm is missing. This error message is issued by the CTDDELRP Control-D utility, which cleans unnecessary entries from the Active User Report List file. For details, refer to the CTDDELRP utility in the INCONTROL for z/OS Utilities Guide.

The CTDDELRP Control-D utility terminates with a condition code of 08. The Active User Report List file is not cleaned.

**Corrective Action:** Correct the parameter syntax in the CTDDELRP utility.
DSO939E REDUNDANT PARAMETER: - parm

Explanation: There is a redundant parameter for the CTDDELRP Control-D utility. The CTDDELRP Control-D utility, which cleans unnecessary entries from the Active User Report List file, issues this message. For details, refer to the CTDDELRP utility in INCONTROL for z/OS Utilities Guide.

The CTDDELRP Control-D utility terminates with a condition code of 08. The Active User Report List file is not cleaned.

Corrective Action: Correct the parameter syntax in the CTDDELRP utility.

DSO93CI PRIMARY RECORD IS MISSING FOR USER recipient JOB jobname JOBID JobID

Explanation: The CTDDELRP utility cannot find the primary USER record (the first record in a chain of metadata records describing a report) in the Active User Reports file. CTDDELRP removes any metadata records related to the report from the Active User Report file.

Corrective Action: No user response is required.

DSO93DS THERE ARE REPORTS REQUESTED FOR MIGRATION. CONTROL-V SHOULD BE INSTALLED

Explanation: The CTDDELRP utility discovered that although in the Active User Reports file there are reports requested for migration, no Control-V environment is installed. CTDDELRP is terminated.

Corrective Action: Install a Control-V environment.

DSO93EI JOB jobname JOBID JobID IS HELD BY BACKUP MISSION mission OR mission OR ... ODATE= orgdate TIMESTAMP= timestamp

Explanation: The CTDDELRP utility did not delete the jobname report from the Active User Report file, because the report is held by the pending or running backup mission.

Corrective Action: You can use the BKPRESET utility to reset the status of pending backup missions and their reports.

DSO93FI JOB jobname JOBID JobID IS HELD BY MIGRATION migration MISSION mission TIMESTAMP=timestamp

Explanation: The CTDDELRP utility did not delete the jobname report from the Active User Report file, because the report is held by the pending or running migration mission.

Corrective Action: You can use the MIGRESET utility to reset the status of pending migration missions and their reports.

DSO942E OPEN OF PARAMETERS FILE FAILED. DDNAME "DADELIN"

Explanation: Open of parameters file for the CTDDELRP utility failed. Possible causes are:
- The **DADELIN DD statement is missing.**
- The data set described by the **DADELIN DD statement** cannot be opened for sequential read.

The utility stops executing with condition code 12.

**Corrective Action:** Correct the JCL of the job, and rerun it.

**DSO943I** JOB jobName JOBID jobID USER usr IS WAITING FOR PRINT BY missionName missionName missionName missionName

**Explanation:** This information message indicates that the jobName job is ready for printing by any of the Printing Missions listed. The sysout compressed data sets for the jobName job is not deleted until one of the Printing Missions listed runs successfully, that is, until the report is printed.

The information about the requested report is provided in message CTDI0CI, which follows this message.

**Corrective Action:** No action is required.

**DSO945I** JOB jobName ODATE odate USER user IS REJECTED BY approvalName

**Explanation:** This information message indicates that the report with the specified jobName, odate, user has not been deleted by the utility because it has been rejected by the approvalName. The report name is provided in the CTDI0CI message which follows this message. CTDDELRP does not delete such reports, if the special parameter REJECTED is not specified for this utility.

**Corrective Action:** No action is required.

**Messages DSOA00 through DSOAxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**DSOA30E** OPEN OF SORT FILE FAILED. DDNAME ddName

**Explanation:** The SORT utility invoked by the CTDDELRP utility failed to open ddName DD name.

The CTDDELRP utility stops.

**Corrective Action:** Ensure all DD statements are valid. Restart the CTDDELRP utility.

**DSOA31E** INVALID RETURN CODE FROM SORT, RC= rc

**Explanation:** Internal sort program ended with errors. This message is from the CTDDELRP utility, which cleans unnecessary entries from the Active User Report List file. The utility uses the site sort program internally.

The utility terminates with a condition code of 08.

**Corrective Action:** Refer to the sort messages for the job and to the user manual for the sort facility used at your site.
DSOA32I SYSADATA RECORD IS MISSING FOR USER userid JOB jobName JOBID jobID reportName

Explanation: This information message indicates that the CTDDELRP utility cannot find a SYSDATA record indicated by a user record in the Active User Report List file.

CTDDELRP cleans unnecessary entries from the Active User Report List file. The SYSDATA record was probably manually deleted from the Active User Reports List.

The user record is deleted to maintain database integrity; processing continues.

Corrective Action: No action is required.

DSOA33I SYSADATA RECORD WITHOUT USERS: JOB jobName JOBID jobID

Explanation: This information message indicates that no user report entry points to this SYSDATA record in the Active User Report List file. The CTDDELRP utility, which is used to clean unnecessary entries from the Active User Report List file and to delete CDAM data sets, issues this message. The user records were probably deleted from the Active User Report List. The report does not belong to any user.

If the NOREPORT parameter was specified, the SYSDATA record and CDAM data set are deleted to maintain database consistency, and processing continues.

Corrective Action: No action is required.

DSOA34E OPEN OF SCRATCH LIST FAILED. DDNAME "DASCRLST"

Explanation: The CTDDELRP Control-D utility, which cleans unnecessary entries from the Active User Report List file, failed to open the scratch list file using a DASCRLST DD statement.

Possible causes are:
- The DASCRLST DD statement is missing.
- The data set described by the DASCRLST DD statement cannot be opened for a sequential write.

The utility terminates with a condition code of 08.

Corrective Action: Correct the JCL and rerun the job.

DSOA35I WAITING FOR ANOTHER CTDDELRP OR RESTORE JOB TO TERMINATE

Explanation: This information message indicates that the CTDDELRP utility is waiting for another CTDDELRP job or a restore job to terminate. CTDDELRP is cleans unnecessary entries from the Active User Report List file. To maintain data integrity, CTDDELRP cannot run concurrently with another CTDDELRP or a restore job.

When the contending job terminates, CTDDELRP resumes processing.

Corrective Action: No action is required.

DSOA36E OPEN OF "DAWORK" DD CARD FAILED

Explanation: Open of the Active Transition file failed. This file is referenced by the DAWORK DD statement. The DAWORK DD statement is probably missing.
This error message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility. CTDDSO terminates with a condition code of 08.

**Corrective Action:** Check for previous messages indicating the reason for the open failure. Correct the problem, and rerun the CTDDELRP utility.

DSOA37I JOB jobName JOBID jobID IS WAITING FOR MIGRATION BY missionName

**Explanation:** This information message is produced by the CTDDELRP utility. It indicates the jobName job is ready for migration by the missionName Migration Mission. The sysout compressed data sets for the jobName job is not deleted until the Migration Mission runs successfully.

**Corrective Action:** No action is required.

DSOA38I SYSDATA RECORD IS MISSING FOR INDEX index. JOB jobName JOBID jobID WILL BE DELETED

**Explanation:** This information message indicates that the CTDDELRP utility, which cleans unnecessary entries from the Active User Report List file, cannot find a SYSDATA record that corresponds to an index record in the Active User Report List file. The SYSDATA record was probably manually deleted from the Active User Reports List file.

The index record and index file are deleted to maintain database integrity. Processing continues.

**Corrective Action:** No action is required.

DSOA39E NO INPUT PARAMETERS WERE SUPPLIED

**Explanation:** The CTDDELRP Control-D utility, which is used to clean unnecessary entries from the Active User Report List file, did not receive input parameters from a DADELIN DD statement. The CTDDELRP Control-D utility should be supplied with input parameters indicating actions for the utility to perform.

The CTDDSO program terminates with a condition code of 08.

**Corrective Action:** Verify that input parameters are specified by means of a DADELIN DD statement, and rerun the job.

DSOA3AE OPEN OF "DAXREP" FAILED

**Explanation:** The CTDDELRP utility, which cleans unnecessary records from the Active User Report List file, failed to open the Print Control Record Scratch file referenced by the DAXREP DD statement. The DAXREP DD statement is probably missing.

This error message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility. The CTDDSO program terminates with a condition code of 08.

**Corrective Action:** Correct the error, and rerun the CTDDELRP utility.

DSOA3BE I/O ERROR WRITING TO XREP DELETE FILE. DDNAME "DAXREP"

**Explanation:** An I/O error occurred while writing the file referenced by the DAXREP DD statement.
This message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.
The CTDDELRP utility terminates.

**Corrective Action:** Run the CTDBLXRP utility to rebuild the Print Control Record. Rerun the CTDDELRP utility.

**DSOA3CE INSUFFICIENT SPACE ALLOCATED TO XREP DELETE FILE. DDNAME "DAXREP"**

**Explanation:** The file referenced by the DAXREP DD statement has insufficient space allocated. This message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.

The CTDDELRP utility continues processing.

**Corrective Action:** To prevent this problem in the future, allocate more space to the file referenced by the DAXREP DD statement. Run the CTDBLXRP utility to rebuild the Print Control Record.

**DSOA3DE "FE" PRINT SUPPORT ERROR. RETURN CODE rc**

**Explanation:** An error was encountered while trying to delete a Print Control Record. This message is issued by the CTDDSO program, which is the first step of the CTDDELRP utility.

Possible values of rc are:
- 016 - Invalid Function.
- 024 - Open Error.
- 028 - Error in Sort.

The CTDDELRP utility continues processing.

**Corrective Action:** Run the CTDBLXRP utility to rebuild the Print Control Record.

**DSOA3EI *** PARM=TEST SPECIFIED - SIMULATION MODE *****

**Explanation:** This information message indicates that the CTDDELRP utility is running in SIMULATION mode. In SIMULATION mode, the CTDDELRP utility produces a report that indicates which entries would have been deleted and which data sets would have been erased if the utility were running in PRODUCTION mode.

**Corrective Action:** Examine the output of the CTDDELRP utility to determine if the proper entries would have been deleted from the Active User Report List file and the proper CDAM data sets would have been erased. Make any changes required to prevent the deletion of needed Active User Report List entries or CDAM data sets.

Rerun the utility in PRODUCTION mode to delete unneeded entries in the Active User Report List file and to erase CDAM data sets that no longer have references in that file.

**DSOA3FI MESSAGE= integer msg**

**Explanation:** This information message is issued during the first step of the termination of the CTDDELRP utility. It provides statistics about the number of records processed by the CTDDELRP utility.
Possible values for `msg`, which explains `integer`, are shown in the following table:

<table>
<thead>
<tr>
<th>msg</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>RECORDS READ FROM ACTIVE USER FILE</td>
<td>The total number of records in the Active User file</td>
</tr>
<tr>
<td>USER RECORDS WILL BE DELETED</td>
<td>The number of user records to be deleted from the Active User file</td>
</tr>
<tr>
<td>USER RECORDS COPIED TO HISTORY FILE</td>
<td>The number of user records copied from the Active User file to the History Report List file</td>
</tr>
<tr>
<td>USER RECORDS COPIED TO MIGRATION FILE</td>
<td>The number of user records copied from the Active User file to the Migrated Report List file</td>
</tr>
<tr>
<td>SYSDATA RECORDS WILL BE DELETED</td>
<td>The number of sysdata records to be deleted from the Active User file</td>
</tr>
<tr>
<td>SYSDATA RECORDS COPIED TO HISTORY FILE</td>
<td>The number of sysdata records copied from the Active User file to the History Report List file</td>
</tr>
<tr>
<td>SYSDATA RECORDS COPIED TO MIGRATION FILE</td>
<td>The number of sysdata records copied from the Active User file to the Migrated Report List file</td>
</tr>
<tr>
<td>INDEX RECORDS WILL BE DELETED</td>
<td>The number of index records to be deleted from the Active User file</td>
</tr>
<tr>
<td>NOTEPAD RECORDS WILL BE DELETED</td>
<td>The number of Notepad records to be deleted from the Active User file</td>
</tr>
<tr>
<td>NOTEPAD RECORDS COPIED TO HISTORY FILE</td>
<td>The number of Notepad records copied from the Active User file to the History Report file</td>
</tr>
<tr>
<td>NOTEPAD RECORDS COPIED TO MIGRATION FILE</td>
<td>The number of Notepad records copied from the Active User file to the Migrated Report List file</td>
</tr>
</tbody>
</table>

**Corrective Action:** No action is required.

**Messages DSOB00 through DSOBxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**DSOB39I** RC=16 IN READKEY FROM HST. RECORD WITH KEY= `userName jobName` counter IS ADDED

**Explanation:** This information message indicates that the CTDDELRP utility added the record with the specified key, because it did not find that record when it was performing the READKEY function.
A return code of 16 means that the specified record was not in the History User file.
The record key is composed of the user name (8 characters), the job name (8 characters), and the
counter (16 characters).
The CTDDELRP utility adds the missing record.

**Corrective Action:** No action is required.

## DSP messages

This group includes messages for the IOA (infrastructure) product.

### Messages DSP100 through DSP1xx

This group includes messages for the IOA (infrastructure) product.

**DSP1A0I** `mediaName` - **NUMBER OF DEVICES = iii NUMBER OF ACTIVE DEVICES = jjj**

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a
**DISPLAY** command to indicate the following:

- **iii** devices are assigned to media `mediaName`.
- **jjj** active devices are assigned to media `mediaName`.

This message is preceded by message **IOA1A1I** or **DSP1A1I**, which supplies the IOA Archive Server name
and media name for which the **DISPLAY** message was issued.

**Corrective Action:** No action is required.

**DSP1A1I** `server` - **MEDIA mediaName STATUS DISPLAY:**

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a
**DISPLAY** command. This message is the header for messages that provide information about the status of
media `mediaName`.

**Corrective Action:** No action is required.

**DSP1A2I** `mediaName` - **MEDIA TYPE = media_typ SYSTEM UNIT NAME = name**

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a
**DISPLAY** command. This message identifies the media type and system unit name defined in the
**IOASPRM** member in the IOA Archive Server Installation Parameters.

**Corrective Action:** No action is required.

**DSP1A3I** `mediaName` - **STATUS = status**

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a
**DISPLAY** command to provide information about the current status of media `mediaName`.
Corrective Action: No action is required.

**DSP1A4I**  *mediaName* - NUMBER OF PENDING REQUESTS = *num*

Explanation: This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command to provide information about the number of pending requests for media *mediaName*.

Corrective Action: No action is required.

**DSP1A5I**  *mediaName* - DEVICE STATUS PLATTER VOLSER DSN

Explanation: This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. It is the header for I0A1A6i or DSP1A6i messages, which provide information about the status of each device assigned to media *mediaName*.

Corrective Action: No action is required.

**DSP1A6I**  *mediaName* - device status platter volser dsn

Explanation: This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. Each message describes a device assigned to media *mediaName*. This message follows message I0A1A5I or DSP1A5I, which provides the header for each field.

Corrective Action: No action is required.

**DSP1A7I**  *mediaName* - DEVICE USE STATUS USER-ID VOLSER DSN

Explanation: This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. It is the header for I0A1A8i or DSP1A8i messages, which provide information about the status of each device assigned to media *mediaName*.

Corrective Action: No action is required.

**DSP1A8I**  *mediaName* - device use status userId volume dsn

Explanation: This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. It follows message I0A1A7I, which provides the header for each field. Each occurrence of this message describes a device assigned to media *mediaName*.

The variables in this message are:

- **device** - the name of the assigned device
- **use** - Dedicated or Dynamic
- **status** - Active, Inactive or Idle
- **userId** - the user ID of the owner of the data set being retrieved by the device
- **volume** - the serial number of the volume on which the data set is found
- **dsn** - the data set name

Note:
The **userId**, **volume**, and **dsn** fields have values only when the device is active.
INCONTROL for z/OS Messages Manual

**Corrective Action:** No action is required.

DSP1A9I  *mediaName* - DEVICE STATUS USER-ID DSN

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. This message is the header for message IOA1AAI, which provides information about the status of each device assigned to the media identified in the message.

**Corrective Action:** No action is required.

DSP1AAI  *mediaName* -  *deviceStatus* userI d ds

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. Each message provides information about a device assigned to the media identified in the message. A message is issued for each device defined in the MAXCONN parameter in IOASPRM. These messages are preceded by message IOA1A9I, which provides the header for each field.

Possible values of *deviceStatus* are:
- **INACTIVE** - Device not yet activated.
- **ACTIVE** - Retrieving data requested by specified user from specified data set.
- **IDLE** - Device is ACTIVE, but currently not working on any request.

**Corrective Action:** No action is required.

DSP1AEI  *mediaName* - TVL: OWNER-ID *deviceTask*,  NUM OF REQUESTS - *num* DSN *dsn*

**Explanation:** This information message displays the content of the TVL, an element in the queue of the retrieval requests for tape *mediaName*.

The variables in this message are:
- **deviceTask** - the owner-ID of the device task currently working on the request
- **num** - the number of pending requests on that tape volume
- **dsn** - the name of the data set

**Corrective Action:** No action is required.

**DUL messages**

This group includes messages for the IOA (infrastructure) product.

**Messages DUL900 through DUL9xx**

This group includes messages for the IOA (infrastructure) product.

**DUL951S INSUFFICIENT STORAGE TO RUN UTILITY**

**Explanation:** There is insufficient memory to run the IOADUL utility.
The utility terminates with a return code of 12.

**Corrective Action:** Increase the REGION size and rerun the utility.

**DUL952S ERROR OPENING SEQUENTIAL FILE**

**Explanation:** The IOADUL utility detected an error while opening a sequential file to which it is to unload the data.

The utility terminates with a return code of 16.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error and rerun the job. If error persists, contact BMC Software Customer Support.

**DUL953S ERROR OPENING FILE**

**Explanation:** The IOADUL utility detected an error when opening the IOA Access Method file referenced by the DADBS DD statement.

The utility terminates with a return code of 20.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error and rerun the job. If error persists, contact BMC Software Customer Support.

**DUL955I UTILITY IOADUL STARTED**

**Explanation:** This information message indicates that the IOADUL utility started. The IOADUL utility unloads the records of an IOA Access Method file to a sequential file.

**Corrective Action:** No action is required.

**DUL956I UTILITY ENDED WITH RETURN CODE num**

**Explanation:** This information message indicates that the IOADUL utility terminated with a return code of num.

The IOADUL utility terminates.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error and rerun the job. If error persists, contact BMC Software Customer Support.

**DUL957S ERROR IN IOAPARM LOADING**

**Explanation:** The IOADUL utility detected an error while loading the IOAPARM member.

The IOADUL utility terminates with a return code of 4.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error, and rerun the job. If the error persists, contact BMC Software Customer Support.

**DUL958S ERROR READING THE DATABASE**

**Explanation:** The IOADUL utility detected an error while reading the IOA Access Method file.

The IOADUL utility terminates with a return code of 24.

**Corrective Action:** Check the IOA Log and the system job log for more information. Correct the error, and rerun the job. If the error persists, contact BMC Software Customer Support.
DUL959S INVALID INPUT PARAMETERS

Explanation: Invalid input parameters were specified when running the IOADUL utility. The IOADUL utility ends with a return code of 28.

Corrective Action: Rerun the IOADUL utility using valid input parameters. For information on the valid parameters, see the IOADUL utility in the INCONTROL for z/OS Utilities Guide.

DUL960S MISSING INPUT PARAMETERS

Explanation: No input parameters were specified for the IOADUL utility. The IOADUL utility ends with a return code of 32.

Corrective Action: Rerun the IOADUL utility using valid input parameters. See the IOADUL utility in the INCONTROL for z/OS Utilities Guide for valid parameters.

DUL961I NUMBER OF COPIED RECORDS num

Explanation: This information message displays the number of records copied from a database to a sequential file by the IOADUL utility.

Corrective Action: No action is required.

DVB messages

This group includes messages for the Control-O product.

Messages DVB300 through DVB3xx

This group includes messages for the Control-O product.

DVB331S AUTOMATION LOG FILE MUST CONTAIN AT LEAST 100 RECORDS

Explanation: The specified Automation Log file contains less than one hundred records. The CTODVB program checks the value specified for the ALREC# parameter in the CTOPARM member. It must indicate at least one hundred records.

Formatting of the Automation Log ends with a return code of 08.

Corrective Action: Check the ALREC# parameter in the CTOPARM member.

DVB332S ERROR OPENING AUTOMATION LOG FILE

Explanation: The CTODVB program was unable to open the Automation Log file. The formatting of the Automation Log ends with a return code of 08.

Corrective Action: Do both of the following:
Check the CTOPARM member.

Ensure that the JCL matches the parameters specified in the CTOPARM member.

**DVB333S ERROR FORMATTING AUTOMATION LOG FILE**

**Explanation:** An I/O error was detected. The CTODVB program failed to execute an I/O operation with the Automation Log file.

Formatting of the Automation Log ends with a return code of 08.

**Corrective Action:** Check associated MVS messages detailing the cause of the error, for example, disk failure, incorrect data set, incorrect name or allocation parameters.

**DVB334I FORMATTING OF AUTOMATION LOG FILE STARTED**

**Explanation:** This information message indicates that formatting of the Automation Log file has begun.

**Corrective Action:** No action is required.

**DVB335I FORMATTING OF AUTOMATION LOG FILE ENDED**

**Explanation:** This information message indicates that formatting of the Automation Log file has ended successfully.

**Corrective Action:** No action is required.

**DVB336S AUTOMATION LOG FILE WAS NOT BUILT**

**Explanation:** Formatting of the Automation Log file failed. This message follows other messages detailing the problem.

The formatting of the Automation Log ends with a return code of 08.

**Corrective Action:** Consult previous messages detailing the reason for the error.

**DVB337S AUTOMATION LOG DYNAMIC ALLOCATION ERROR rc/rsn/dsn**

**Explanation:** A dynamic allocation problem occurred. The CTODVB program attempted to dynamically allocate the Automation Log file but failed.

Formatting of the Automation Log file ends with return code 08.

**Corrective Action:** Do the following:

1. Refer to the IBM OS/390 Authorized Assembler Services Guide for an explanation of return code (rc) and the reason (rsn), and proceed accordingly.
2. Check the CTOPARM member.
3. Verify that an Automation Log file already exists for this CPU.

**DVB338S INVALID PARAMETERS PASSED TO PROGRAM**

**Explanation:** The CTODVB program detected an error in the parameters passed to it.

Formatting of the Automation Log file ends with a return code of 08.

**Corrective Action:** Check the parameters passed to the program and correct them.
DVB339S NULL PARAMETERS PASSED TO PROGRAM

**Explanation:** The CTODVB program was called with no parameters.
Formatting of the Automation Log file ends with a return code of 08.

**Corrective Action:** Check and correct the JCL.

DVL messages

This group includes messages for the Control-O product.

Messages DVL300 through DVL3xx

This group includes messages for the Control-O product.

DVL341S AUTOMATION LOG FILE LEVEL INCONSISTENT WITH LEVEL OF CONTROL-O

**Explanation:** The Automation Log file is not compatible with this release of Control-O. While opening an Automation Log file, the CTODVL program checks the file validity and usability. A mismatch was found between the release number of the Automation Log file and the release number of the program accessing it.

Action fails. The Automation Log file is not accessed.

**Corrective Action:** Do either or both of the following:
- Check if the libraries specified in the STEPLIB and LINKLIST concatenation contain modules from different releases.
- Check the Automation Log file data set name. If you are using an older release of the program or an old file, correct the error.

DVL342S ERROR OPENING AUTOMATION LOG FILE

**Explanation:** The CTODVL program was unable to open the Automation Log file.

The action fails. The Automation Log file is not accessed.

**Corrective Action:** Do any or all of the following:
- Check the definitions in the CTOPARM member.
- Check the JCL for errors.
- Check the data set name for the Automation Log file.

DVL343S AUTOMATION LOG DYNAMIC ALLOCATION ERROR rc/rsn/dsn

**Explanation:** The CTODVL program was unable to dynamically allocate the Automation Log file.

Action fails. The Automation Log file is not accessed.

**Corrective Action:** Do any or all of the following:
See documentation on dynamic allocation in the IBM authorized guide to Assembler services for explanations of the return code (rc) and the reason code (rsn), and proceed accordingly.

- Check the CTOPARM member.
- Ensure that an Automation Log file exists for this CPU.

**DVL344S AUTOMATION WRITE ERROR**

**Explanation:** An I/O error occurred. The CTODVL program did not succeed in performing an I/O operation on the Automation Log file.

Action fails. The Automation Log file is not accessed.

**Corrective Action:** If you cannot determine the reason for this I/O error (for example, a disk failure), contact BMC Software Customer Support.

**DVL345S ERROR EXECUTING RDJ FCB**

**Explanation:** The CTODVL program received a non-zero return code from system service RDJ FCB. The CTODVL program failed to read the J FCB of the dynamically allocated Automation Log file.

Action fails. The Automation Log file is not accessed.

**Corrective Action:** Contact BMC Software Customer Support.

**DVL346S ABEND abCode I INTERCEPTED WHILE PROCESSING THE AUTOMATION LOG**

**Explanation:** The CTODVL program intercepted an abend while processing the Automation Log.

The action fails. The Automation Log file is not accessed.

**Corrective Action:** Contact BMC Software Customer Support.

**DVL347S THE ALLOCATED AUTOMATION LOG FILE BELONGS TO ANOTHER CONTROL-O INSTALLATION**

**Explanation:** The specified Automation Log file refers to another Control-O. While opening an Automation Log file, the CTODVL program checks the validity and usability of the file being opened. A mismatch was found between the current value specified for the CTOQNAME parameter in the CTOPARM member and the value of that parameter when the Automation Log file was formatted.

Action fails. The Automation Log file is not accessed.

**Corrective Action:** Do either or both of the following:

- Ensure that you are not using load libraries that belong to another installation of Control-O.
- Check if the CTOPARM member has changed.

**DVL348S FILE NOT AN AUTOMATION LOG FILE**

**Explanation:** The specified file is not a Control-O Automation Log file. While opening an Automation Log file, CTODVL checks the validity and usability the file. The specified file was not an Automation Log file.

Action fails. The Automation Log file is not accessed.
Corrective Action: Check if the formatting of the Automation Log file ended successfully. If it failed, redefine (reformat) the Automation Log.

DVL349S AUTOMATION LOG FILE IS BEING FORMATTED IT CANNOT BE ACCESSED
Explanation: The specified Automation Log file is currently being formatted. While opening the Automation Log file, the CTODVL program checks the validity and usability of the file. The specified file has a status incompatible with the requirements of the program.
Action fails. The Automation Log is not accessed.
Corrective Action: Check if the formatting of the Automation Log file ended successfully. If it failed, redefine (reformat) the Automation Log.

DVT messages
This group includes messages for the Control-V product.

Messages DVT100 through DVT1xx
This group includes messages for the Control-V product.

DVT170I mediaName - DEVICE deviceId - IS STARTING
Explanation: This information message indicates that IOA Archive Server device deviceId allocated to media mediaName started.
Corrective Action: No action is required.

DVT171I mediaName - DEVICE deviceId - SHUT DOWN UPON REQUEST OF MAIN TASK
Explanation: This information message indicates that the main task requested shutting down IOA Archive Server mediaName device deviceId.
Corrective Action: No action is required.

DVT172I mediaName - DEVICE deviceId - REASON: AN EMPTY REQUEST RECEIVED
Explanation: This message indicates that due to an internal error, a cache request received by the IOA Archive Server from device deviceId was empty. See accompanying message DVT178I or IOA178I for the name of the requested file.
The cache request is ignored.
Corrective Action: Notify your INCONTROL administrator.
DVT173E mediaName - DEVICE deviceId - REASON: EXTENT ext IS OUT OF FILE

Explanation: The IOA Archive Server received a cache request from device deviceId for a relative byte address (RBA) with an extent that is not included in the migrated file. See accompanying message DVT178I or IOA178I for the name of the requested file.

The cache request is ignored.

Corrective Action: Check the validity of the RBA ranges in the user record. Notify your INCONTROL administrator.

DVT174E mediaName - DEVICE deviceId - REASON: RC rc IN TRANSLATION TTRZ ttttrrzz

Explanation: An internal error occurred when the IOA Archive Server translated a relative block number to a relative block address (RBA). See accompanying message DVT178I or IOA178I for the name of the requested file.

The request is ignored.

Corrective Action: Notify your INCONTROL administrator.

DVT175E mediaName - DEVICE deviceId - REASON: BLOCK blockNum IS OUT OF FILE

Explanation: The IOA Archive Server received a cache request from device deviceId with a relative block address (RBA) that caused return code rc in translating the TTR to a relative block number. See accompanying message DVT178I or IOA178I for the name of the requested file.

The request is ignored.

Corrective Action: Check the validity of the RBA ranges in the user record. Notify your INCONTROL administrator.

DVT176E mediaName - DEVICE deviceId - REASON: RC rc IN TRANSLATION BLOCK blk_num

Explanation: An internal error occurred when the IOA Archive Server translated a relative block number to a relative block address (RBA). See accompanying message DVT178I or IOA178I for the name of the requested file.

The request is ignored.

Corrective Action: Notify your INCONTROL administrator.

DVT177I mediaName - DEVICE deviceId - REASON: USER DOES NOT EXIST

Explanation: This information message indicates that a user who issued a cache request to the IOA Archive Server is no longer logged on. See accompanying message DVT178I or IOA178I for the name of the requested file.

The cache request is ignored.
Corrective Action: Notify your INCONTROL administrator if this message is issued while the user is still logged on.

DVT178I mediaName - DEVICE deviceId - REQUEST FOR FILE dsn IGNORED

Explanation: This information message indicates that the user that issued a cache request to the IOA Archive Server is no longer logged on. See messages: DVT172I or IOA172I, DVT173E or IOA173E, DVT174E or IOA174E, DVT175E or IOA175E, DVT176E or IOA176E, DVT177E or IOA177E, or DVT17DI or IOA17DI. The cache request is ignored.

Corrective Action: If this message is issued while the user is still logged on, notify your INCONTROL administrator.

DVT179W mediaName - DEVICE deviceId - TEST ENQ FOR USER OF FILE dsn FAILED, RC rc

Explanation: A system error occurred while testing the ENQ that indicates whether a user is logged on. The system assumes that the user who issued the cache request is still logged on. The request is performed.

Corrective Action: Notify your INCONTROL administrator.

DVT17AI mediaName - DEVICE deviceId - UNABLE TO ALLOCATE DEDICATED DEVICE

Explanation: This information message indicates that the IOA Archive Server could not allocate device deviceId even though it is dedicated to the Server explicitly by means of the DEVADDR parameter or implicitly by a quantity of a unit name in the DEVQTY parameter.

If dedicated explicitly, the device possibly is disconnected. If dedicated implicitly, probably no device in the device group specified in the IOASPRM member for the mediaName media is available. See messages DVT190E or IOA190E and DVT192E or IOA192E in the IOA Log file for the error code and information code. The Server tries to allocate the device at 3-minute intervals until stopped by a MODIFY command.

Corrective Action: Use the error code and information code to determine why the allocation failed. See the IBM manual MVS Programming: Authorized Assembler Services Guide for a description of the return code received. Ask the operator to correct the problem and restart the device.

DVT17BI mediaName - DEVICE deviceId - UNABLE TO ALLOCATE DEVICE DYNAMICALLY

Explanation: This information message indicates that the IOA Archive Server could not allocate device deviceId which should be allocated dynamically. Probably none of the devices in the device group specified in the IOASPRM member for the mediaName media is available. See messages DVT190E or IOA190E and DVT192E or IOA192E in the IOA Log file for the error code and info code.
The Archive Server tries to allocate the device five times, at two minute intervals. If it does not succeed, device deviceId is terminated.

**Corrective Action:** Use the error code and information code to determine why the allocation failed. See the IBM manual *MVS Programming: Authorized Assembler Services Guide* for a description of the return code received. Ask the operator to correct the problem and restart the device.

**DVT17CI mediaName - DEVICE deviceId - SHUT DOWN BECAUSE OF INTERNAL ERROR**

**Explanation:** Highlighted, unrollable message.

This message indicates that an internal error occurred while accessing device deviceId.
The cache request that generated the error is ignored. The activity that used this device is restarted.

**Corrective Action:** Notify your INCONTROL administrator.

**DVT17DI mediaName - DEVICE deviceId - SHUT DOWN BECAUSE OF ABEND Snnn**

**Explanation:** Highlighted, unrollable message.

This message indicates that an abend occurred while accessing device deviceId.
The cache request which caused the abend is ignored. The activity which used this device will be restarted.

**Corrective Action:** Notify your INCONTROL administrator.

**DVT17EE mediaName - DEVICE deviceId - ERROR IN FDB OF FILE fileName**

**Explanation:** The file descriptor block that is the first block of the migrated CDAM file contains invalid information.
The migrated report cannot be accessed.

**Corrective Action:** Print the first block of the migrated CDAM file, for example, using IDCAMS Print Dump. Then, contact BMC Software Customer Support.

**DVT17GI mediaName USER: userId, TIME: time, READS: reads, CPU: cpu, BLOCKS: blocks, FILE: dsName**

**Explanation:** This information message is sent to IOALOG when the cache request is performed by the IOA Archive Server. The message is optional. It is issued only when the STATV parameter in the IOASPRM member is set to Y.
The variables in this message are:
- **mediaName** - name of the media where the migrated CDAM resides
- **userId** - the ID of the user who issued the request
- **time** - the elapsed time (seconds)
- **reads** - the total number of blocks read from the migrated CDAM
- **cpu** - the CPU usage time (milliseconds)
- **blocks** - the number of blocks cached
- **dsName** - the CDAM dataset name

**Corrective Action:** No action is required.

**DVT180S mediaName - DEVICE deviceId - UNABLE TO ACQUIRE STORAGE FOR blockId, RC IS rc**

**Explanation:** IOA Archive Server device **deviceId** is unable to acquire storage space for a BLKLST, FDB, CMP, CACHE or RDBUF block. See accompanying message DVT178I or IOA178I for the name of the requested file.

Execution of the task on device **deviceId** is terminated.

**Corrective Action:** Restart the IOA Archive Server. Re-IPL if necessary. Notify your INCONTROL administrator.

**DVT181S mediaName - DEVICE deviceId - UNABLE TO {ENQ | DEQ} ON resourceName. RC IS rc**

**Explanation:** The IOA Archive Server for device **deviceId** was unable to ENQ or DEQ on a key resource, where **resourceName** is the name of a volume, platter or device.

Execution of the task on device **deviceId** is terminated.

**Corrective Action:** Restart the IOA Archive Server. Re-IPL if necessary. Notify your INCONTROL administrator.

**DVT190E mediaName - DEVICE deviceId - UNABLE TO ALLOCATE FILE dsn**

**Explanation:** File **dsn** could not be dynamically allocated on media **mediaName** by the IOA Archive Server device **deviceId**. See message DVT192E or IOA192E for the error code and info code.

The request is ignored.

**Corrective Action:** Use the error code and information code to determine why the allocation failed. See the IBM manual *MVS Programming: Authorized Assembler Services Guide* for a description of the return code received. Correct the problem. Restart the IOA Archive Server.
DVT191E mediaName - DEVICE deviceId - UNABLE TO DEALLOCATE FILE dsn

Explanation: The specified file could not be deallocated on the specified media when switching to another file in the IOA Archive Server device task. See message DVT192E or IOA192E for the error code and info code.

The next request and all future requests are ignored until deallocation succeeds.

Corrective Action: Use the error code and information code to determine why deallocation failed. Correct the problem. Restart the IOA Archive Server.

DVT192E mediaName - DEVICE deviceId - ERR + INFO CODE IS error+infoCode

Explanation: This message accompanies messages IOA190E or DVT190E and IOA191E or DVT191E. It provides the error code and information code for a failed dynamic allocation or deallocation.

Corrective Action: Use the error code and information code to determine the problem and correct it.

DVT193E mediaName - DEVICE deviceId - I/O ERROR error

Explanation: The I/O error identified in this message occurred.
The request that caused the I/O error is ignored.

Corrective Action: Correct the problem in the file. Retry.

DVT194E mediaName - DEVICE deviceId - UNABLE TO OPEN FILE dsn

Explanation: IOA Archive Server device deviceId could not open the specified file.
The request is ignored.

Corrective Action: Verify that the file exists and can be accessed.

DVT195I mediaName - DEVICE deviceId - PLEASE MOUNT REQUIRED VOLUME, OR ANSWER NO

Explanation: This information message indicates that a request was issued to mount a tape volume on device deviceId, and the requested tape volume was not mounted. The previous tape mount message was issued after an attempt to open a file on a tape volume that was not mounted on the device.

If this WTOR is answered NO, the mount request is canceled and the user request is ignored.

Corrective Action: If the requested volume cannot be mounted, or to cancel the mount request for any reason, reply NO to this WTOR. Otherwise, mount the requested volume.

DVT196E mediaName - DEVICE num - ERROR IN READ SMN st.maName SSN smName DSN dsn RC: rc

Explanation: The FileTek storage-machine ASREAD_RECORD function that was activated by an IOASMON monitor failed.
The variables in this message are:
**mediaName** - the Filetek storage machine media defined in IOASPRM

**num** - the number of the IOASMON device in which the error occurred

**st.maName** - the name of the Filetek storage machine. When this does not appear in the message, the name indicates the storage machine defined in the storage machine configuration member.

**smName** - SM subsystem name

**dsn** - the name of the file in which the ASREAD_RECORD function failed

**rc** - the return code from the ASREAD_RECORD function

Online viewing or printing of the report from the Filetek storage machine fails.

**Corrective Action:** Check the return code of the ASREAD_RECORD function against the Filetek documentation, and correct the problem accordingly.

**DVT197E** mediaName - DEVICE num - ECBADDR FAILED SMN st.maName SSN smName DSN dsn RC: rc

**Explanation:** The Filetek storage-machine ECBADDR function that was activated by an IOASMON monitor after the ASREAD_RECORD function failed.

The variables in this message are:

- **mediaName** - the Filetek storage machine media defined in IOASPRM
- **num** - the number of the IOASMON device in which the error occurred
- **st.maName** - the name of the Filetek storage machine. When it does not appear in the message, the name indicates the storage machine defined in the storage machine configuration member.
- **smName** - the SM subsystem name
- **dsn** - the name of the file in which the ECBADDR function failed
- **rc** - the return code from the ECBADDR function

Online viewing or printing of the report from the Filetek storage machine fails.

**Corrective Action:** Check the return code of the ECBADDR function against the Filetek documentation, and correct the problem accordingly.

**DVT198E** mediaName - DEVICE num - CHECK FAILED SMN st.maName SSN smName DSN dsn RC: rc

**Explanation:** The Filetek storage-machine CHECK function that was activated by an IOASMON monitor after the ECBADDR function failed.

The variables in this message are:
- **mediaName** - Name of the Filetek storage machine media defined in IOASPRM.
- **num** - Number of the IOASMON device in which the error occurred.
- **st.maName** - Name of the Filetek storage machine. When it does not appear in the message, the name is that of the storage machine defined in the storage machine configuration member.
- **smName** - SM subsystem name.
- **dsn** - Name of the file in which the CHECK function failed.
- **rc** - Return code from the CHECK function.

Online viewing or printing of the report from the Filetek storage machine fails.

**Corrective Action:** Check the return code of the CHECK function against the Filetek documentation, and correct the problem accordingly.

### DWL messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

#### Messages DWLI00 through DWLIxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**DWLI00I DOWNLOAD OF IOA DATABASE STARTED**

**Explanation:** This information message is issued by the Enterprise Controlstation Download utility to indicate that downloading of the IOA and Control-M database is currently in progress.

**Corrective Action:** No action is required.

**DWLI01I DOWNLOAD OF IOA DATABASE ENDED SUCCESSFULLY**

**Explanation:** Information message issued by the Enterprise Controlstation Download utility, indicating that the download of the IOA and Control-M database has ended successfully.

**Corrective Action:** No action is required.

**DWLI02E RESOURCE resourceName CONTAINS NULLS, INTERNAL CODE code**

**Explanation:** A resource containing nulls in its name was encountered during download or database update. A null is not valid in the name of a quantitative or control resource.

The Control-M Application Server terminates with a condition code of 08.

**Corrective Action:** Report the occurrence to BMC Software Customer Support.
DWLI03E OPEN OF ENTERPRISE/CS INFO DOWNLOAD FILE FAILED.
DDNAME "DWNINFO"

Explanation: The Enterprise Controlstation Download utility could not open the Download Info file (the DWNINFO DD statement).

Possible causes are:
- The DWNINFO DD statement is missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

Corrective Action: Correct the download JCL procedure or the JCL for the download job and rerun the download job.

DWLI04E OPEN OF ENTERPRISE/CS JOBS DOWNLOAD FILE FAILED.
DDNAME "DWNJOBS"

Explanation: The Enterprise Controlstation Download utility could not open the Download Jobs file (the DWNJOBS DD statement).

Possible causes are:
- The DWNJOBS DD statement is missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

Corrective Action: Correct the download JCL procedure or the JCL for the download job and rerun the download job.

DWLI06E INSUFFICIENT STORAGE FOR THE ENTERPRISE/CS DOWNLOAD UTILITY

Explanation: The Enterprise Controlstation Download utility requires more storage in order to execute.

The Enterprise Controlstation Download utility stops executing.

Corrective Action: Increase the REGION size and rerun the download job.

DWLI07E DOWNLOAD INTERNAL ERROR TYPE type

Explanation: An internal error occurred during execution of the Enterprise Controlstation Download utility.

The Enterprise Controlstation Download utility stops executing.

Corrective Action: Have your INCONTROL administrator contact BMC Software Customer Support.

DWLI08E OPEN OF ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE FAILED. DDNAME "DAGROUP"

Explanation: The Control-M Application Server or Download utility is unable to open the Application-Group Definition file (the DAGROUP DD statement). This may be due to one of the following:
The DAGROUP DD statement is missing.

The Control-M Application Server JCL procedure, or the download JCL procedure or the JCL of the download job has been modified.

The Control-M Application Server or Download utility continues executing, but without processing the applications.

**Corrective Action:** Correct the Control-M Application Server JCL procedure and restart the Control-M Application Server, or correct the download JCL procedure or the JCL for the download job and rerun the download job.

**Explanation:**

**DWLI09E MAXIMUM APPLICATIONS IN ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE EXCEEDED. DDNAME "DAGROUP"**

The Control-M Application Server or Download utility is unable to process all the applications in the Application-Group Definition file (the DAGROUP DD statement). Too many applications were defined in the Application-Group Definition file.

The Control-M Application Server or Download utility continues executing, but processes only some of the applications.

**Corrective Action:** Check the Application-Group Definition file, and if it is correct, contact BMC Software Customer Support.

**Explanation:**

**DWLI10E MAXIMUM GROUPS IN ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE EXCEEDED. DDNAME "DAGROUP"**

The Control-M Application Server or Download utility is unable to process all the groups in the Application-Group Definition file (the DAGROUP DD statement). Too many groups were defined in the Application-Group Definition file.

The Control-M Application Server or Download utility continues executing, but processes only some of the groups.

**Corrective Action:** Check the Application-Group Definition file, and if it is correct, contact BMC Software Customer Support.

**Explanation:**

**DWLI11E INVALID STATEMENT IN ENTERPRISE/CS APPLICATION-GROUP DEFINITION FILE. DDNAME "DAGROUP"**

The Control-M Application Server or Download utility is unable to process a statement in the Application-Group Definition file (the DAGROUP DD statement). An invalid statement appeared in the Application-Group Definition file.

The Control-M Application Server or Download utility continues executing, but skips processing of the invalid instruction.

**Corrective Action:** Correct the syntax in the Application-Group Definition file, and restart the Control-M Application Server or rerun the Enterprise Controlstation Download utility.
DWLI14E OPEN OF ENTERPRISE/CS CONTROL RESOURCES DOWNLOAD FILE FAILED. DDNAME "DWNCNTRL"

**Explanation:** The Enterprise Controlstation Download utility could not open the Download Control Resources file (the DWNCNTRL DD statement).

Possible causes are:
- The DWNCNTRL DD statement is missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Correct the download JCL procedure or the JCL for the download job and rerun the download job.

DWLI15E OPEN OF ENTERPRISE/CS QUANTITATIVE RESOURCES DOWNLOAD FILE FAILED. DDNAME "DWNQUANT"

**Explanation:** The Enterprise Controlstation Download utility is unable to open the Download Quantitative Resources file (the DWNQUANT DD statement).

Possible causes are:
- The DWNQUANT DD statement missing.
- The download JCL procedure or the JCL of the download job has been modified.

The Enterprise Controlstation Download utility stops executing.

**Corrective Action:** Correct the download JCL procedure or the JCL for the download job and rerun the download job.

**ECA messages**

This group includes messages for the IOA (infrastructure) product.

**Messages ECAA00 through ECAAxx**

This group includes messages for the IOA (infrastructure) product.

**ECAA00I APPLICATION SERVER(D001) MANAGER STARTED, RELEASE(releaseId) CREATED (timeStamp) CCID(changeLevel)**

**Explanation:** This information message indicates normal startup of the address space of the application server.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **releaseId** - the official release and the maintenance level of the IOAGATE
- **timeStamp** - the date and time when the main module of the application server manager was compiled
- **changeLevel** - the level of the change that was last applied to the main module of the manager of the application server

**Corrective Action:** No action is required.

**ECAA01I APPLICATION SERVER GOES DOWN DUE TO IOAGATE SHUTDOWN**

**Explanation:** This information message indicates that the manager of the application server detected that the IOAGATE is down. The shutdown may be due to an operator request or to an error.

The server address space shuts down.

**Corrective Action:** If the shutdown was due to a problem, check the IOAGATE messages for errors that may have caused the shutdown.

**ECAA02I APPLICATION SERVER GOES DOWN DUE TO STOP REQUEST FROM CONSOLE(consoleId)**

**Explanation:** This information message indicates that the application server was shut down because a STOP command was issued to its address space.

In this message, **consoleId** is the identity of the console from which the STOP request was issued. The value of **consoleId** depends on whether this request was issued from a physical or virtual console. If it was a virtual console, the value of **consoleId** may coincide with the user ID of the operator who issued this request, depending on your local configuration.

The address space of the application server shuts down.

**Corrective Action:** No action is required.

**ECAA03I APPLICATION SERVER EXCLUSIVELY OWNS HEARTBEAT RESOURCE Q(qName)R(rName)**

**Explanation:** This information message indicates that the application server successfully acquired the specified heartbeat resource.

During initialization, an application server issues an ENQ request to acquire the indicated resource exclusively. The resource acts as a heartbeat mechanism between the IOAGATE and the address space of the server. If the resource becomes available in the address space of the IOAGATE, it indicates an application server failure.

The variables in this message are:

- **qName** - major name of a heartbeat resource of the application server
- **rName** - minor name of a heartbeat resource of the application server

**Corrective Action:** No action is required.
ECAA04S ECAAMGR INTERNAL ERROR, TASKLIST EXHAUSTED

Explanation: The manager of an application server encountered a severe internal error. The address space of the server shuts down with a return code of 44.

Corrective Action: Contact BMC Software Customer Support.

ECAA05E APPLICATION SERVER ENDED DUE TO CRITICAL TASK TERMINATION

Explanation: A critical server task terminated. A server task may be defined as critical in the address space of an application server. If a critical task fails, the server address space goes down. The CD server task is always critical.

The server address space shuts down with a return code of 68.

Corrective Action: Check the error messages of the server address space for the cause of the critical task termination. If there are no other active application server address spaces, recycle the IOAGATE.

ECAA06W SERVER TASK(type, taskId) TERMINATED

Explanation: This message warns that one server task of the server address space terminated. The message may be accompanied by error messages issued by the failed server task itself.

The variables in this message are:
- type - server task type:
  - CM - manager of the address space of an application server
  - CS - application server
  - CD - detector server
  - CU - updater server
- taskId - the internal ID of a server task

If the terminated task was critical or was a single CS task, the server address space shuts down. Otherwise, normal processing continues, and, if recovery is not blocked for this server task, the IOAGATE tries to recover the server task, when message ECAB41I may be issued.

Corrective Action: If there are any error messages that relate to the server address space, check them to determine and fix the cause of the task termination. Restart the server task using the F IOAGATE,STARTTID=taskId command.

ECAA07E APPLICATION SERVER GOES DOWN DUE TO TERMINATION OF ALL CS SERVER TASKS

Explanation: The last CS server task ended. The application server address space cannot function when there is no CS server task available.

The server address space shuts down with a return code of 12.
Corrective Action: Check the other error messages that relate to the server address space to determine the cause of the CS task termination. If there are no other active server address spaces, recycle the IOAGATE.

ECAA08E APPLICATION SERVER GOES DOWN DUE TO IOAGATE NOT RESPONDING

Explanation: IOAGATE does not respond to the application server address space. The IOAGATE probably experienced internal problems and could not respond to an application server.

The server address space shuts down with a return code of 64.

Corrective Action: Do the following:

1. Examine the error messages that relate to the IOAGATE.
2. Increase the system priority of both
   - the IOAGATE
   - an application server address space
3. Recycle the IOAGATE.

ECAA09E APPLICATION SERVER GOES DOWN DUE TO CHANNEL(channelId) DISABLING

Explanation: Application server manager ended. An application server address space cannot function when there is no channel available to communicate with the partner or client.

The server address space shuts down.

Corrective Action: Examine the error messages that relate to the channelId channel. Recycle the IOAGATE.

ECAA0A1 CHAN PROT TASK VENDOR SUBS PORT/LU STATUS LINKS APPL

Explanation: This information message provides header information about communication channels defined in the ECAPARM configuration file. ECAA0BI messages that follow provide details for each channel. This message is issued once, in response to an F IOAGATE,CHANNEL (or CHAN) command.

Corrective Action: No action is required.

ECAA0BI channelId protocol task softwareVendor subsystem port / luName status links applications

Explanation: This information message provides detailed information about a single communication channel. It is issued for each communication channel in response to an F IOAGATE,CHANNEL (or CHAN) command.

Each occurrence of this message identifies a communication channel defined in the ECAPARM configuration file. If you have enabled a DC (dual connection) communication channel, the information is provided in two ECAA0BI messages. A set of these messages provides information about all the channels. The ECAA0AI message provides headings for the set.

The variables in this message are:
channelId - This channel ID consists of two subfields:
- the communication model specifier for the channel
- a 2-character channel ID assigned by the user in the ECAPARM configuration file. Valid communication model specifiers are: MC - a multiple connection channel DC - a dual connection channel

protocol - The current channel uses this communication protocol. Valid values are:
- TCP - TCP/IP communication protocol
- SNA - SNA communication protocol

task - the name of a communication task. This variable is used only for an enabled DC channel. Valid values are:
- SNDR - the sender communication task of the DC channel
- RCVR - the receiver communication task of the DC channel

softwareVendor - the vendor of the TCP/IP software. Valid values are:
- IBM - IBM TCP/IP software is used by the channel
- CA - TCPaccess software of Computer Associated International, Inc. is used by the channel

subsystem - subsystem name for the TCPaccess software

port - the TCP/IP communication port number used by a TCP channel to listen for connection. In the case of an enabled DC communication channel, two consecutive port numbers are used, and these are identified in two ECAA0BI messages.

luName - VTAM LU 6.2 (APPC) application ID used by an SNA channel to communicate over the APPC network

status - the current status of the channel. Valid values are:
- DOWN - the channel is not started
- UP/OPEN - the channel is open, up and running
- UP/CLOSED - the channel has been closed for new incoming connections, but it is still up and running
- DISABLED - the channel was disabled, either in the ECAPARM configuration file by the CHANNEL parameter set to DISABLE, or by IOAGATE during initialization

links - the number of current connections this channel supports

applications - a list of application identities. An application refers to this channel in the ECAPARM configuration file.

Corrective Action: No action is required.

ECAA0CS I NVALID ECAPARM(suffix) OBTAINED, THERE'S NO APSERVER STATEMENT FOR APPL.SERVER

Explanation: The application server address space obtained an improper ECAPARM configuration member. The most likely cause was an incorrect PARM library allocated by the DAPARM DD statement.
In this message, suffix is a 1-character ID that specifies a unique ECAPARM configuration file. The server address space shuts down with a return code of 60.

**Corrective Action:** Check and correct the ECAPARM configuration file, the DAPARM DD allocation, or both.

**ECAA0DS APPL.SERVER FAILED TO ACQUIRE HEARTBEAT RESOURCE Q(qName)R(rName)**

**Explanation:** An application server failed to acquire the specified heartbeat resource.

During initialization, an application server issues an ENQ request to acquire the indicated resource exclusively. The resource acts as a heartbeat mechanism between the IOAGATE and the address space of the server. An application server failure is indicated if the resource becomes available in the address space of the IOAGATE. Failure to acquire the heartbeat resource by an application server is a severe error.

The variables in this message are:

- qName - the major name of a heartbeat resource of the application server
- rName - the minor name of a heartbeat resource of the application server

The application server shuts down.

**Corrective Action:** Do the following:

1. Examine the other error messages that relate to the server address space to determine the cause of the failure.
2. Try to correct the problem.
3. Restart IOAGATE.
4. If the problem persists, call your systems programmer for assistance.

**ECAA0ES UNRECOVERABLE INTERNAL ERROR ENCOUNTERED: rsn**

**Explanation:** The application server manager encountered a severe internal error when handling the MAXMSGSZ ECAAPPL parameter.

Valid values for rsn are:

- no SDT address
- no SDT of CS
- no MAXMSGSZ

The address space of the server shuts down with a return code of 96.

**Corrective Action:** Contact BMC Software Customer Support.

**ECAA0FS UNRECOVERABLE APPLICATION ERROR ENCOURTENDED**

**Explanation:** A severe internal application error occurred in the application server.

The application server shuts down.
Corrective Action: Examine any other error messages that relate to the server address space to determine the cause of the failure, take appropriate corrective action, and restart IOAGATE.

ECAA0HI IOAGATE HAS GONE DOWN

Explanation: This information message in an application server address space indicates that this application has detected IOAGATE going down.

The application server address space goes down with a return code of 112.

Corrective Action: Attempt to identify and correct the problem that caused IOAGATE to go down.

ECAA0IW SERVER TASK(type, taskId) CANCELLED(U007) BY ioagateName BECAUSE THE TASK WAS BUSY FOR TOO LONG

Explanation: The ioagateName application server manager cancelled the taskId task of the application server with a completion code of U007.

When a server task is busy for longer than the period defined for this application server by the BUSYDUR parameter, the following events occur:

- A request to cancel the task is generated automatically by IOAGATE.
- Message ECAB4BW is issued.

This message (ECAA0IW) is followed by message ECAA06W.

The variables in this message are:

- **type** - the server task type. Valid values are:
  - CM - manager of the address space of the application server
  - CS - application server
  - CD - detector server
  - CU - updater server
- **taskId** - the internal ID of a server task
- **ioagateName** - the name of the IOAGATE started task that generated the cancel request

The system action depends on the nature of the terminated task, as follows:

- If the terminated task was either critical or a single CS task, the server address space shuts down. If recovery is not blocked for this application server, the IOAGATE tries to recover the server.
- Otherwise, normal processing continues, and, if recovery is not blocked for this server task, the IOAGATE tries to recover the server task.

Corrective Action: Attempt to find the cause for the cancellation of the taskId server task. Try increasing the value of the BUSYDUR parameter.
ECAA0JW SERVER TASK(type, taskId) CANCELED(U007) FROM CONSOLE (consoleId)

**Explanation:** This message warns that the application server manager has cancelled a server task of the application server with a completion code of U007. This is the result of a CANCTID=taskId request issued by the operator in the IOAGATE address space.

This message is followed by message ECAA06W.

The variables in this message are:
- **type** - the server task type. Valid values are:
  - CM - manager of the address space of the application server
  - CS - application server
  - CD - detector server
  - CU - updater server
- **taskId** - the internal ID of a server task
- **consoleId** - the identity of the console from which the CANCTID request was issued. The value of consoleId depends on whether this request was issued from a physical or virtual console. If it was a virtual console, the value of consoleId may coincide with the user ID of the operator who issued this request, depending on your local configuration.

The system action depends on the nature of the terminated task, as follows:
- If the terminated task was either critical or a single CS task, the server address space shuts down. If recovery is not blocked for this application server, the IOAGATE tries to recover the server.
- Otherwise, normal processing continues, and, if recovery is not blocked for this server task, IOAGATE tries to recover the server task.

**Corrective Action:** No action is required.

ECAA0LW APPL.SERVER TASK(type, taskId) ABENDED; COMPLETION CODE ({Sxxx | Uxxx})

**Explanation:** This message warns that one server task of the application server address space abended.

The variables in this message are:
- **type** - server task type. Valid values are:
  - CS - application server
  - CD - detector server
  - CU - updater server
- **taskId** - the internal identity of a server task
- **compCode** - completion code

If the terminated task was critical or was a single CS task, the server address space shuts down. Otherwise, normal processing continues, and, if recovery is not blocked for this server task, IOAGATE tries to recover the server task, when message ECAB41I may be issued.
Corrective Action: If there are any error messages that relate to the server address space, check them to determine and fix the cause of the task abend. Restart the server task using the `MODIFY IOAGATE,STARTTID=taskId` command.

ECAA0MS SSL=NO FOR CTM/ appl1 DOESN'T MATCH SSL=YES FOR CTM/ appl2 ON ioagateName/ systemID

Explanation: When IOAGATE started, it discovered that SSL support is not defined the same way (either YES or NO) in the corresponding channels for CTMAS and for CTMCAS, which are defined in different IOAGATEs.

The IOAGATE that issues this message has SSL=NO in the ECAPARM configuration file, while another IOAGATE that is already up has SSL=YES in its ECAPARM configuration file.

The variables in this message are:
- `appl1` - either EM or CM, depending on whether this IOAGATE supports CTMAS or CTMCAS
- `appl2` - either EM or CM, depending on whether the other IOAGATE supports CTMAS or CTMCAS
- `ioagateName` - the name of the other IOAGATE
- `systemID` - the system identification of the other IOAGATE

Since the other IOAGATE has SSL=YES and this IOAGATE has SSL=NO, the lower security level for this IOAGATE is not accepted. IOAGATE disables the channel and goes down if there is no other active channel.

Corrective Action: ECAPARM channel definitions should be corrected so that the channel definitions for both CTMAS and CTMCAS will have either SSL=YES or SSL=NO.

ECAA0MW SSL=YES FOR CTM/ appl1 DOESN'T MATCH SSL=NO FOR CTM/ appl2 ON ioagateName/ systemID

Explanation: When IOAGATE started, it discovered that SSL support is not defined the same way (either YES or NO) in the corresponding channels for CTMAS and for CTMCAS, which are defined in different IOAGATEs.

The IOAGATE that issues this message has SSL=YES in the ECAPARM configuration file, while another IOAGATE that is already up has SSL=NO in its ECAPARM configuration file.

The variables in this message are:
- `appl1` - either EM or CM, depending on whether this IOAGATE supports CTMAS or CTMCAS
- `appl2` - either EM or CM, depending on whether the other IOAGATE supports CTMAS or CTMCAS
- `ioagateName` - the name of the other IOAGATE
- `systemID` - the system identification of the other IOAGATE

IOAGATE continues the startup.

Corrective Action: ECAPARM channel definitions should be corrected so that the channel definitions for both CTMAS and CTMCAS will have either SSL=YES or SSL=NO.
ECAA0NS SSL=NO FOR CTM/ appl1 DOESN'T MATCH SSL=YES FOR CTM/ appl2

**Explanation:** When IOAGATE started, it discovered that SSL support is not defined the same way (either YES or NO) in the corresponding channels for CTMAS and for CTCMAS, which are defined in the same IOAGATE.

This was discovered when the second channel was initializing and had SSL=NO, while another channel that was already initialized had SSL=YES.

The variables in this message are:

- **appl1** - either EM or CM, depending on whether this channel supports CTMAS or CTCMAS
- **appl2** - either EM or CM, depending on whether the other channel supports CTMAS or CTCMAS

IOAGATE disables the channel that has SSL=NO and goes down if there is no other active channel.

**Corrective Action:** ECAPARM channel definitions should be corrected so that the channel definitions for both CTMAS and CTCMAS will have either SSL=YES or SSL=NO.

ECAA0NW SSL=YES FOR CTM/ appl1 DOESN'T MATCH SSL=NO FOR CTM/ appl2

**Explanation:** When IOAGATE started, it discovered that SSL support is not defined the same way (either YES or NO) in the corresponding channels for CTMAS and for CTCMAS, which are defined in the same IOAGATE.

This was discovered when the second channel was initializing and had SSL=YES, while another channel that was already initialized had SSL=NO.

The variables in this message are:

- **appl1** - either EM or CM, depending on whether this channel supports CTMAS or CTCMAS
- **appl2** - either EM or CM, depending on whether the other channel supports CTMAS or CTCMAS

IOAGATE continues the initialization of the channel with SSL=YES.

**Corrective Action:** ECAPARM channel definitions should be corrected so that the channel definitions for both CTMAS and CTCMAS will have either SSL=YES or SSL=NO.

ECAA0OS IOAGATE name IS ALREADY ACTIVE FOR THE SAME ENVIRONMENT ON lpar

**Explanation:** An attempt to start IOAGATE failed because another IOAGATE for the same Control-M environment is already active on another LPAR.

**Corrective Action:** If the IOAGATE is required to run on this LPAR, first stop IOAGATE name on LAPR lpar.

ECAA10S IOAGATE MIGHT BE DOWN, HEARTBEAT RESOURCE Q(qName)R(rName) AVAILABLE

**Explanation:** An application server determined that the specified IOAGATE heartbeat resource is available.
During initialization, an application server checks the IOAGATE heartbeat resource availability to see if the IOAGATE is up and running. If the resource is available, then the IOAGATE is down. For more information, see the ECAG38I message.

The variables in this message are:

- \textit{qName} - the major name of a heartbeat resource of the IOAGATE
- \textit{rName} - the minor name of a heartbeat resource of the IOAGATE

The application server address space shuts down with a return code of 16.

**Corrective Action:** Check the IOAGATE logs to determine why IOAGATE is down, try to fix the problem and restart IOAGATE.

### ECAA11S ECAAMGR INTERNAL ERROR, \textit{func} CALL FAILED WITH RC(rsn)

**Explanation:** The application server manager encountered a severe internal error when trying to call the \textit{func} function.

Possible \textit{func} and \textit{rsn} (reason code) combinations, and their explanations, are shown in the following table:

<table>
<thead>
<tr>
<th>call</th>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBXATTCC1</td>
<td>20</td>
<td>ATTACH for the first mailbox failed.</td>
</tr>
<tr>
<td>MBXATTCC2</td>
<td>24</td>
<td>ATTACH for the second mailbox failed.</td>
</tr>
<tr>
<td>MBXREAD</td>
<td>28</td>
<td>A mailbox READ failed.</td>
</tr>
<tr>
<td>MBXWRIT1</td>
<td>32</td>
<td>WRITE of the first Ready message after ATTACH failed.</td>
</tr>
<tr>
<td>MBXWRIT2</td>
<td>36</td>
<td>WRITE of the Task Terminated message failed.</td>
</tr>
<tr>
<td>MBXWRIT3</td>
<td>40</td>
<td>WRITE of the Communication Update or Service Done internal management message failed.</td>
</tr>
</tbody>
</table>

The application server address space shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

### ECAA12I INITIALIZATION PROCEDURE( mod) COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the application server invoked the \textit{mod} initialization module, and that the module completed successfully. During initialization, an application server invokes an initialization module if it is specified in the ECAPARM configuration file for that server.

**Corrective Action:** No action is required.
ECAA13E INITIALIZATION PROCEDURE(\textit{mod}) FAILED WITH RC(\textit{rsn})

\textbf{Explanation:} The application server invoked the \textit{mod} initialization module, and the module failed. During initialization, an application server invokes an initialization module if it is specified in the ECAPARM configuration file for the application server.

The variables in this message are:

- \textit{mod} - the module that failed
- \textit{rsn} - the reason code indicating the failure level. Failure levels of 08 and above are fatal, and bring the application server down.

The application server address space shuts down with a return code of 56.

\textbf{Corrective Action:} Do the following.

1. Examine the log of the application server for other error messages.
2. Correct any problems.
3. Restart IOAGATE.
4. If the problem persists, report the module name and reason code to BMC Software Customer Support.

ECAA14I MODIFY HANDLER (\textit{modName}) WAS LOADED

\textbf{Explanation:} This information message indicates that the application server successfully loaded the \textit{modName} module. The loaded module is a handler that performs MODIFY commands dedicated for the application server. The application server loads this module during initialization.

\textbf{Corrective Action:} No action is required.

ECAA15I PINGING(\textit{pingId}) NODE(\textit{node})

\textbf{Explanation:} Message indicates that the F CTOAS,PING MODIFY command was issued in the Control-O application server address space and a PING message was sent to the partner Control-O application server.

The variables in this message are:

- \textit{pingId} - the internal identity of this ping message
- \textit{node} - the node identity of the partner application server

\textbf{Corrective Action:} No action is required.

ECAA16I PING(\textit{pingId}) REQUEST RECEIVED FROM(\textit{node}) SERVER(\textit{serverId})

\textbf{Explanation:} This information message indicates that the F CTOAS,PING MODIFY command was issued in the Control-O application server of the partner and a PING request message has arrived at the local Control-O application server.

The variables in this message are:
**ECAA17I** PING(pingId) RESPONSE FROM(node) ARRIVED IN nnn MILLISECONDS

**Explanation:** This information message indicates that the F CTOAS,PING MODIFY command was issued in the Control-O Application server and the response ping message has arrived from the pinging partner Control-O application server.

The variables in this message are:

- **pingId** - the internal identity of this ping message
- **node** - the node identity of the partner Control-O application server
- **nnn** - the time interval in milliseconds required for a ping message to travel in both directions

**Corrective Action:** No action is required.

**ECAA18W** PING DROPPED, NODE (node) rsn

**Explanation:** This information message indicates that the F CTOAS,PING MODIFY command was issued in the Control-O Application server, but the command was not performed for the reason rsn.

Valid values for rsn are:

- **NOT FOUND IN PDT** - severe internal error
- **NOT FOUND IN PLT** - severe internal error
- **MBX WRITE DISABLED** - mailbox error encountered
- **COMMUNICATION ERROR** - an IOAGATE-to-IOAGATE connection was not established

**Corrective Action:** No action is required.

**ECAA19I** ctrl_msg received for Server(servr_id).

**Explanation:** The application server servr_id received the internal control message ctrl_msg from IOAGATE.

Valid values for ctrl_msg are:

- **INITIALIZE** - internal control command to initialize an application server
- **ATTACHSERVER** - internal control command to start an application server task
- **CONNECTIONUP** - internal control command to inform an application server task that the communication channel is up and running

**Corrective Action:** No action is required.
Messages ECAB00 through ECABxx

This group includes messages for the IOA (infrastructure) product.

**ECAB01I** CHANNEL\((channelId)\) ECAPARM PORT SUCCESSFULLY OVERRIDDEN BY THE EXEC PARM VALUE

**Explanation:** This information message indicates that the PORT value specified in the EXEC PARM parameters successfully replaced the ECAPARM PORT value of the indicated channel.

During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup. If a TCP/IP port number was specified in EXEC PARM, then IOAGATE replaces the PORT value specified in the ECAPARM configuration file for the indicated channel with the value from EXEC PARM. If the channel is not specified, IOAGATE modifies the first channel in the ECAPARM configuration file.

In this message, \(channelId\) identifies the channel with the PORT value that was replaced.

**Corrective Action:** No action is required.

**ECAB02I** CHANNEL\((channelId)\) ECAPARM APPLIDS SUCCESSFULLY OVERRIDDEN BY THE EXEC PARM VALUE

**Explanation:** This information message indicates that the APPLIDS values specified in the EXEC PARM parameters successfully replaced the ECAPARM APPLIDS values of the specified channel.

During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup. If VTAM LU 6.2 (APPC) APPLIDS was specified in EXEC PARM, IOAGATE tries to replace the APPLIDS values specified in the ECAPARM configuration file for the indicated channel with values from EXEC PARM. If the channel is not specified, IOAGATE modifies the first channel in the ECAPARM configuration file.

In this message, \(channelId\) identifies the channel with the APPLIDS values that were replaced.

**Corrective Action:** No action is required.

**ECAB03W** PORT AND APPLID CANNOT BE SPECIFIED FOR THE SAME CHANNEL SIMULTANEOUSLY

**Explanation:** A PORT value and an APPLID value were specified in the EXEC PARM parameters simultaneously.

During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup. A TCP/IP port number and a VTAM LU 6.2 (APPC) APPLID were specified in the EXEC PARM parameters simultaneously. These values cannot be specified together.

Both the PORT and APPLID values are ignored. Normal processing continues.

**Corrective Action:** Correct the indicated parameters and restart IOAGATE.

**ECAB04I** CHANNEL\((channelId)\) ECAPARM APPLID SUCCESSFULLY OVERRIDDEN BY THE EXEC PARM VALUE

**Explanation:** This information message indicates that the APPLID value specified in the EXEC PARM parameters successfully replaced the ECAPARM APPLID value of the specified channel.
During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup. If VTAM LU 6.2 (APPC) APPLID was specified in EXEC PARM, IOAGATE tries to replace the APPLID value specified in the ECAPARM configuration file for the indicated channel, with the value from EXEC PARM. If the channel is not specified, IOAGATE modifies the first channel in the ECAPARM configuration file.

In this message, channelId identifies the channel for which the APPLID value was replaced.

**Corrective Action:** No action is required.

**ECAB05W PORT(port) SPECIFIED BY THE EXEC PARM WAS NOT APPLIED**

**Explanation:** The PORT value in the EXEC PARM parameters was not used, and the ECAPARM PORT value is still valid.

During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup. When a TCP/IP port number is specified in EXEC PARM, the IOAGATE tries to replace the PORT value specified in the ECAPARM configuration file for the intended channel with the value from EXEC PARM.

The current attempt failed and the ECAPARM PORT value is still valid. The channel for which the specified PORT value was intended may have been disabled during initialization.

In this message, port is the TCP/IP communication port value specified in EXEC PARM.

**Corrective Action:** Do the following:
1. Look for more information in
   - IOAGATE JES log
   - the DAIGLOG log
   - the DATRACE log
2. Try to correct the problem.
3. If you cannot correct the problem, contact BMC Software Customer Support.

**ECAB06W APPLIDS(applId1, applId2) SPECIFIED BY THE EXEC PARM WERE NOT APPLIED**

**Explanation:** The APPLIDS values specified in the EXEC PARM parameters were not used, and the ECAPARM APPLIDS values are still valid.

During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup. When VTAM APPLIDS application IDs are specified in EXEC PARM, the IOAGATE tries to replace the APPLIDS values specified in the ECAPARM configuration file for the intended channel with the values from EXEC PARM.

The current attempt failed and the ECAPARM APPLIDS values are still valid. The channel for which the specified APPLIDS values were intended may have been disabled during the initialization.

In this message, applId1 and applId2 are VTAM LU 6.2 (APPC) application IDs specified by the APPLIDS parameter in EXEC PARM for a dual connection (DC) SNA channel.

**Corrective Action:** Do the following:
1. Look for more information in
   - the IOAGATE JES log
   - the DAIGLOG log
• the DATTRACE log

2. Try to correct the problem.
3. If you cannot correct the problem, contact BMC Software Customer Support.

**ECAB08E PORT SPECIFIED BY THE EXEC PARM FOR SNA CHANNEL(channelId) CANNOT BE USED**

**Explanation:** A PORT value that was specified in the EXEC PARM parameters was not applied.

During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup, and tries to modify the channel that is explicitly specified in the EXEC PARM parameters. If the channel is not specified, IOAGATE modifies the first channel in the ECAPARM configuration file.

The TCP/IP port number was specified in the EXEC PARM parameters. However, IOAGATE could not apply the PORT value.

In this message, **channelId** is the identity of the SNA channel.

Possible causes are:

- A specific CHAN parameter was specified in EXEC PARM parameters, but this is an SNA channel.
- IOAGATE tried to apply the PORT value to the first ECAPARM channel, but this channel is an SNA channel.

The PORT parameter in EXEC PARM is ignored. Normal processing continues.

**Corrective Action:** Correct the EXEC PARM parameters and restart IOAGATE.

**ECAB09E applIdParm SPECIFIED BY THE EXEC PARM FOR CHANNEL(channelId.TCP) CANNOT BE USED**

**Explanation:** The APPLID or APPLIDS values set in the EXEC PARM parameters cannot be used. During initialization, IOAGATE checks for any EXEC PARM parameters specified at startup, and tries to modify the channel that is explicitly specified in the EXEC PARM parameters. If the channel is not specified, IOAGATE modifies the first channel in the ECAPARM configuration file.

APPLID or APPLIDS values were specified in the EXEC PARM parameters. However, IOAGATE could not apply the specified values.

Possible causes are:

- An explicit CHAN parameter was specified in the EXEC PARM parameters, but this is a TCP channel.
- IOAGATE tried to apply the specified value to the first ECAPARM channel, but this channel is a TCP channel.

The variables in this message are:

- **applIdParm** - the APPLID or APPLIDS parameter specified by the user in the EXEC PARM parameters
- **channelId** - the identity of the TCP channel

The APPLID or APPLIDS EXEC PARM parameter is ignored. Normal processing continues.

**Corrective Action:** Correct the EXEC PARM parameter **applIdParm** and restart IOAGATE.
ECAB0AE IMPROPER CHANNEL(channel, chEntryId) SPECIFIED TO SUPPORT MAP(mapId), APSERVER(applName, apEntryId) DISABLED

**Explanation:** IOAGATE detected an invalid channel reference from an APSERVER definition in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies definitions specified in the ECAPARM configuration file. The specified channel cannot serve IOAGATE-to-IOAGATE communication over a multiple connection (MC) channel with the network map specified.

The variables in this message are:

- **channel** - the channel identity assigned by the user in the ECAPARM configuration file
- **chEntryId** - the sequential number of the channel definition entry in the ECAPARM configuration file
- **mapId** - the name of a member in the IOA PARM library that describes a map of network connections between IOAGATEs allowing one IOAGATE to communicate with another over a multiple connection (MC) channel
- **applName** - the full name of the application declared by an APSERVER definition
- **apEntryId** - the sequential number of an APSERVER definition entry in the ECAPARM configuration file

The specified APSERVER definition is disabled. Processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

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ECAB0BE CHANNEL(channel, chEntryId) MAP MUST BE SPECIFIED, APSERVER(applName, apEntryId) DISABLED

**Explanation:** IOAGATE detected an improper channel specification for the application.

During initialization, IOAGATE reads and verifies definitions specified in the ECAPARM configuration file. It detected that the specified channel does not have a network map specification that is required for the indicated application server.

The variables in this message are:

- **channel** - the channel identity assigned by the user in an APSERVER definition
- **chEntryId** - the sequential number of the channel definition entry in the ECAPARM configuration file
- **applName** - the full name of the application declared by an APSERVER definition
- **apEntryId** - the sequential number of an APSERVER definition entry in the ECAPARM configuration file

The specified APSERVER definition is disabled. Processing continues.

**Corrective Action:** Correct the APSERVER and CHANNEL definitions and restart IOAGATE.
ECAB0DI  processor PROCESSOR CREATED(timeStamp) CCID(changeLevel)

**Explanation:** This information message indicates the program level of the specified processor of IOAGATE.

The variables in this message are:
- **processor** - the name of the parameter member. Valid values are:
  - ECAAPPL
  - ECAPARM
  - NWORKMAP
- **timeStamp** - the date and time when the specified processor was compiled
- **changeLevel** - the level of the change that was last applied to the specified processor

**Corrective Action:** No action is required.

ECAB10W EXEC PARM PARAMETER CHAN= MUST BE 2 CHARACTERS EXACTLY, PARAMETER IGNORED

**Explanation:** The value of the CHAN parameter that was specified at startup of the IOAGATE is invalid. The channel ID specified by the CHAN parameter must have two characters exactly.

**Corrective Action:** Correct the value of the CHAN parameter and restart IOAGATE.

ECAB11S INSUFFICIENT MEMORY(area_size) GETMAIN FOR (area_id) FAILED

**Explanation:** The GETMAIN request issued by IOAGATE or the application server address space failed. IOAGATE issued a GETMAIN request during initialization to obtain main storage for the specified area. However the call failed because there was not enough main storage.

The variables in this message are:
- **area_size** - the size of the area GETMAIN requested
- **area_id** - the internal identity of the area for which main storage resources were requested.

The IOAGATE or application server address space shuts down with a return code of 56 or 08, respectively.

**Corrective Action:** Increase the region size and restart the IOAGATE. If you cannot resolve the problem, contact BMC Software Customer Support.

ECAB17W EXEC PARM PARAMETER PORT= MUST BE A NUMERIC VALUE IN THE RANGE FROM 1024 TO 65534

**Explanation:** The value set for the PORT parameter in the EXEC PARM parameters is invalid. The PORT parameter value must be in the range from 1024 through 65534. The PORT parameter value specified in the ECAPARM configuration file remains valid.
Corrective Action: Specify a valid value for the PORT parameter in the EXEC PARM parameters, and restart IOAGATE.

ECAB18W EXEC PARM PARAMETER APPLID= MUST BE UP TO 8 ALPHANUMERIC CHARACTERS

Explanation: The APPLID parameter value specified in the EXEC PARM parameters is invalid. The APPLID parameter must comply with VTAM naming conventions. The value of the APPLID parameter specified in the ECAPARM configuration file is still valid.

Corrective Action: Specify a valid value for the APPLID parameter in the EXEC PARM parameters and restart IOAGATE.

ECAB22I EXEC PARM PARAMETERS: params

Explanation: This information message displays the EXEC PARM parameters that were specified in the PARM field of the EXEC JCL statement.

Corrective Action: No action is required.

ECAB27I START FOR SERVER TASK(type, taskId, addrSpaceId) INITIATED

Explanation: This information message indicates that the operator issued the F IOAGATE,STARTTID=taskId command. IOAGATE submitted a STARTTID command for the specified task.

The variables in this message are:
- type - the CS (application server) task type
- taskId - the internal identity of a server task
- addrSpaceId - the internal identity of the application server address space to which this task belongs

Corrective Action: No action is required.

ECAB30E AN ATTEMPT TO LAUNCH SERVER TASK(taskId) FAILED

Explanation: An attempt to launch an application server task failed. During initialization or automatic recovery, IOAGATE launches the server tasks for all application servers defined in the ECAPARM configuration file. However, an attempt to launch a server task failed.

In this message, taskId identifies the server task that failed.

Corrective Action: Examine the IOAGATE JES log, DAIGLOG, DATRACE logs for more information about the problem. Try to find the cause and correct the problem.

ECAB32S ECAGTW INTERNAL ERROR, ADDRESS/VALUE(value_id) LOST

Explanation: IOAGATE encountered a severe internal error. IOAGATE may shut down or continue, depending on the severity of the error.
Corrective Action: Contact BMC Software Customer Support.

ECAB36E SERVER TASK(\textit{type}, \textit{taskId}, \textit{addrSpaceId}) CANNOT BE STOPPED BY OPERATOR

Explanation: IOAGATE rejected an \texttt{F IOAGATE,STOPTID=taskId} command, because an operator is not allowed to stop this task. A STOPTID command was issued for a CM, CD or CU server task. The specified server task can be stopped only if an entire application server address space is stopped.

The variables in this message are:

- \textit{type} - the server task type Possible values are:
  - CM - the manager of the address space of an application server
  - CD - a detector server
  - CU - an updater server
- \textit{taskId} - the internal identity of a server task
- \textit{addrSpaceId} - the internal identity of the application server address space to which this task is assigned

The modify command is rejected.

Corrective Action: Use the \texttt{F IOAGATE,STATUS} command to specify the task ID, and reissue the command.

ECAB38I AUTOMATIC RECOVERY \textit{(recoveryId)} FOR APPL.SERVER \textit{(applServerName, addrSpaceId)} INITIATED

Explanation: This information message indicates that an application server address space abended, and IOAGATE initiated an automatic recovery. IOAGATE initiates an automatic recovery for an abended server address space if a nonzero value is specified for the MAXRECOV parameter in the APSERVER definition for this application server.

The variables in this message are:

- \textit{recoveryId} - the internal sequence number of this recovery incident
- \textit{applServerName} - the full name of the application server
- \textit{addrSpaceId} - the internal identity of the application server address space

Corrective Action: No action is required.

ECAB39W APPL.SERVER \textit{(applServerName, addrSpaceId)} CANNOT BE RECOVERED, THRESHOLD(\textit{threshold}) REACHED

Explanation: An application server address space abended, and IOAGATE cannot initiate the automatic recovery for the server. IOAGATE does not initiate an automatic recovery for the abended application server, because the maximum number of subsequent recovery retries was already performed. This threshold is specified by the MAXRECOV parameter in the APSERVER definition in the ECAPARM configuration file for this application server.

Note:
Recovery retries are subsequent if the interval between retries is shorter than the time specified by the 
RECVRSET parameter in the ECAPARM configuration file.

The variables in this message are:

- `applServerName` - the name of the application server
- `addrSpaceId` - the internal identity of the application server address space
- `threshold` - the maximum number of subsequent recovery retries

**Corrective Action:** Examine the IOAGATE JES log, the DAIGLOG log, and the DATRACE log for more 
messages about the problem. Try to determine why the application server failed and correct the problem. 
If you cannot correct the problem, call your system programmer for assistance.

**Explanation:** A server task abended, and IOAGATE cannot initiate an automatic recovery for this server 
task.

IOAGATE does not initiate an automatic recovery for the abended application server task, because the 
maximum number of subsequent recovery retries was already performed. The MAXRECOV parameter in 
the APSERVER definition in the ECAPARM configuration file for this application server specifies the 
maximum number of subsequent retries allowed.

Note:

Recovery retries are subsequent if the interval between retries is shorter than the time specified by the 
RECVRSET parameter in the ECAPARM configuration file.

The variables in this message are:

- `type` - the CS (application server) task type
- `taskId` - the internal identity of a server task
- `addrSpaceId` - the internal identity of the application server address space to which this task 
belongs
- `threshold` - the maximum number of subsequent recovery retries

**Corrective Action:** Call your system programmer for assistance.

**Explanation:** This information message indicates that an application server task abended, and IOAGATE 
initiated an automatic recovery.

IOAGATE initiates an automatic recovery for the abended application server task, if a nonzero value was 
specified for the MAXRECOV parameter in the APSERVER definition for this application server.

The variables in this message are:
• **recoveryId** - the internal sequence number of this recovery incident
• **type** - the CS application server task type
• **taskId** - the internal identity of the server task
• **addrSpaceId** - the internal identity of the application server address space

**Corrective Action:** No action is required.

**ECAB42I ***** text date *******

**Explanation:** This information message displays the current local date at the system on which the IOAGATE is running. It is first issued when IOAGATE initialization is completed. It is issued again, at the beginning of each day.

The variables in this message are:

• **text** - Valid values are:
  • LOCAL CURRENT DATE (after initialization)
  • NEW DAY STARTED (beginning of new day)

• **date** - the local current date. The date format is defined in the IOAPARM member. The format can be redefined for IOAGATE by the DATETYPE parameter in the ECAPARM configuration file. Valid formats are:
  • MMDDYYYY
  • DDMMYYYY (default)
  • YYYYDDD
  • YYYYMMDD

**Corrective Action:** No action is required.

**ECAB43W SERVER TASK(type.taskId.addrSpaceId) BUSY duration units, WARNING interval(repeater) SECs USER(userId) SIID(serviceInstanceId)**

**Explanation:** The status of the application server task stayed BUSY with the same SIID service for longer than the warning interval allowed by the ECAPARM configuration file. This message indicates a possible internal problem in IOAGATE.

The variables in this message are:

• **type** - the server task type Valid values are:
  • CM - the manager of the address space of an application server
  • CS - an application server
  • CD - a detector server
  • CU - an updater server
taskId - the internal identity of the problematic server task. If this server task is busy handling a request for an alias application, taskId is the short application code of the alias.

addrSpaceId - the internal identity of the server address space to which this task is assigned.

duration - the number of time units during which the server task handles the same service for the same user.

units - the type of time unit in which the actual duration is expressed. Valid values are:
  - secs - The duration is expressed in seconds
  - mins - The duration is expressed in minutes

If the actual duration is less than 5 minutes, duration is expressed in seconds. If the actual duration is 5 minutes or more, duration is expressed in minutes.

interval - the number of units to wait before issuing this message. The first time this message is issued, interval is defined by the SERVDUR parameter in the ECAPARM configuration file.

The value of interval for the second warning, and all subsequent warnings, is defined by the SERVDUR and NWARNING parameters that can be set in the ECAPARM configuration file. If both parameters are set, then interval is the value of SERVDUR multiplied by the value of NWARNING.

Setting SERVDUR to 0 in the ECAPARM configuration file for this server disables the message completely for this server. Setting NWARNING to 0 disables the second and all subsequent warnings. The default for SERVDUR is 60 seconds; the default for NWARNING is 10.

repeater - the number of interval periods before a second or subsequent warning is issued. The value of repeater can be specified in the NWARNING parameter in the ECAPARM configuration file. Valid values are 0 through 99. The default is 0, meaning that this message (ECAB43W) is issued only once.

userId - the identity of the user whose request is in process.

serviceInstanceId - the service instance identity (SIID) that determines the which service request is handled by the server task.

**Corrective Action:** Examine the IOAGATE JES log, the DAIGLOG log, and the DATRACE log for more information. Try to determine the cause and correct the problem. Consider reassigning the SERVDUR and NWARNING parameters. If the problem persists, contact BMC Software Customer Support.

**ECAB44W APPL.SERVER(addrSpaceId) DOES NOT EXIST**

**Explanation:** An attempt to stop a specified application server using an FIOAGATE, STOPASID=addrSpaceId command failed, because the specified application server address space identity is incorrect. The application server address space identity addrSpaceId must be the correct internal identity of an application server address space.

The modify command is rejected. Normal processing continues.

**Corrective Action:** Use the F IOAGATE,STATUS command to identify the correct application server address space identity, and then reissue the command correctly.
ECAB47I SERVER TASK(aplServerName.type.taskId.addrSpaceId) RECOVERED SUCCESSFULLY

**Explanation:** This information message indicates that an application server task recovered successfully.

The variables in this message are:
- `aplServerName` - the name of the application server
- `type` - the CS server task type
- `taskId` - the internal identity of the server task
- `addrSpaceId` - the internal identity of the application server address space

**Corrective Action:** No action is required.

ECAB48I APPL.SERVER (aplServerName.addrSpaceId.stcId) RECOVERED SUCCESSFULLY

**Explanation:** This information message indicates that the specified application server recovered successfully.

The variables in this message are:
- `aplServerName` - the name of the application server
- `addrSpaceId` - the internal identity of the application server address space
- `stcId` - the name of the JCL procedure used to start the application server address space

**Corrective Action:** No action is required.

ECAB49I SERVER TASK(aplServerName.type.taskId.addrSpaceId) STARTED SUCCESSFULLY

**Explanation:** This information message indicates that IOAGATE launched the specified application server task, and it started successfully.

The variables in this message are:
- `aplServerName` - the full name of the application server
- `type` - the server task type Valid values are:
  - `CM` - the manager of the address space of an application server
  - `CS` - application server
  - `CD` - a detector server
  - `CU` - updater server
- `taskId` - the internal identity of the server task
- `addrSpaceId` - the internal identity of the application server address space

**Corrective Action:** No action is required.
ECAB4AW CHANNEL(channelId.protocol) TASK(taskId) TIMEOUT OCCURRED WHILE AWAITING REPLY FROM USER(userId) SIID(serviceInstanceId) SID(serviceId)

**Explanation:** This warning message indicates that a time-out occurred while awaiting reply from a partner or client because the partner or client did not respond to the message sent by IOAGATE during the time-out interval.

The variables in this message are:

- **channelId** - the identity of the channel that detected the event
- **protocol** - the communication protocol used by the channel.
  
  Valid values are:
  
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol

- **taskId** - the internal identity of the communication task that detected the event.
  
  Valid values are:
  
  - COMTASK
  - RECEIVER

- **userId** - the identity of the user whose request was in process

- **serviceInstanceId** - the service instance identity (SIID) that indicates the service request being handled by IOAGATE

- **serviceId** - the code of a transaction to be performed by IOAGATE

The connection is assumed to be broken and the service is discarded.

**Corrective Action:** Check status of the partner or client and its communication link to IOAGATE.

ECAB4BW SERVER TASK(type.taskId.addrSpaceId) WILL BE CANCELLED DUE TO BEING BUSY FOR duration MINs, USER(userId) SIID(serviceInstanceId)

**Explanation:** The application server task is going to be terminated, because it has been in BUSY status with the same SIID service for more than the maximum time allowed by the BUSYDUR parameter in the ECAPARM configuration file. This may indicate a potential internal problem in IOAGATE or in the application server address space.

The variables in this message are:

- **type** - the server task type.
  
  Valid values are:
  
  - CM - the manager of the address space of an application server
  - CS - application server
  - CD - detector server
  - CU - updater server
The specified application server task is terminated. If it is a critical task, then the whole application server address space is terminated due to this server task failure.

**Corrective Action:** Do the following:

1. If the problem persists, examine the IOAGATE JES log, DAI GLOG log, and DATRACE log for additional information about the potential problem.
2. Try to find the cause and correct the problem.
3. Consider re-assigning a BUSYDUR parameter.
4. If the problem is not resolved, contact BMC Software Customer Support.

ECAB50I
APPL.SERVER( applServerName.addrSpaceId.proc.stcId.channelId/jobId)
STARTED SUCCESSFULLY

**Explanation:** This information message indicates that the specified application server started successfully.

The variables in this message are:

- **applServerName** - the name of the application server
- **addrSpaceId** - the internal identity of the application server address space
- **proc** - the name of the procedure of the application server address space
- **stcId** - the name of the JCL procedure used to start the application server address space
- **channelId** - the channel identity referenced from the APSERVER definition that creates this application server
- **jobId** - the STC JOBID of the application server assigned by JES to its address space

**Corrective Action:** No action is required.

ECAB51W APPL.SERVER( applServerName.addrSpaceId.stcId.channelId) HAS NOT BECOME AVAILABLE IN THE LAST interval SECONDS

**Explanation:** The application server has not started in the specified time interval, either since IOAGATE launched the application server, or since the last occurrence of the same warning. There might be a problem that prevents the application server from starting in time.

The variables in this message are:
- `applServerName` - the name of the application server
- `addrSpaceId` - the internal identity of the application server address space
- `stcId` - the name of the JCL procedure used to start the application server
- `channelId` - the channel identity referenced from the APSERVER definition that creates this application server
- `interval` - the number of seconds to wait before issuing this warning message. The default is 180 seconds.

**Corrective Action:** Check the application server log, the IOAGATE log, the JES log, the DAI GLOG log, and the DATRACE log for more information. If you cannot correct the problem, contact BMC Software Customer Support.

**Explanation:** An internal timer did not start for the specified server task due to an internal problem.

The variables in this message are:

- `type` - the server task type. Valid values are:
  - `CM` - the manager of the address space of an application server
  - `CS` - application server
  - `CD` - detector server
  - `CU` - updater server

- `taskId` - the internal identity of this server task
- `addrSpaceId` - the internal identity of the application server address space

**Corrective Action:** If the problem persists, contact BMC Software Customer Support.

**Explanation:** IOAGATE detected that the specified server task has had the same temporary status for longer than the maximum time interval defined in the ECAPARM configuration file. This condition might indicate an internal problem in IOAGATE.

The variables in this message are:

- `type` - the server task type. Valid values are:
  - `CM` - the manager of the address space of an application server
  - `CS` - application server
  - `CD` - detector server
  - `CU` - updater server
INCONTROL for z/OS Messages Manual

- **taskId** - the internal identity of the problematic server task
- **addrSpaceId** - the internal identity of the application server address space to which the indicated task belongs
- **status_id** - the internal identity of the status in which the server task stays
  
  Valid values are:
  - WAIT
  - PENDING
- **interval** - the number of seconds to wait before issuing this warning message
  
  This value can be assigned by the STATDUR parameter in the ECAPARM configuration file. The default is 60 seconds.

Normal processing continues. However, the further consequences of the event are unpredictable.

**Corrective Action:** If the problem persists, call BMC Software Customer Support.

ECAB55W SERVER TASK (type.taskId.addrSpaceId) HAS NOT BECOME AVAILABLE IN THE LAST interval SECONDS

**Explanation:** The server task did not start within the indicated time interval.

There might be a problem that prevents a server task from being started in time.

The variables in this message are:

- **type** - the server task type
  
  Valid values are:
  - CM - the manager of the address space of an application server
  - CS - application server
  - CD - detector server
  - CU - updater server
- **taskId** - the internal identity of the server task
- **addrSpaceId** - the internal identity of the application server address space to which the indicated server task belongs
- **interval** - the time interval in seconds to wait before issuing this warning

**Corrective Action:** Check the application server log, the IOAGATE JES log, the DAI GLOG log, and the DATRACE log for more information. If you cannot correct the problem, contact BMC Software Customer Support.

ECAB56W SERVER TASK (type.taskId.addrSpaceId) FAILED TO RECOVER IN THE LAST interval SECONDS

**Explanation:** The specified server task did not recover successfully during the specified time interval.

There might be a problem that prevented the application server task from recovering in time.

The variables in this message are:
ECAB57W APPL.SERVER (applServerName.addrSpaceId.stcId.channelId)
FAILED TO RECOVER IN THE LAST time SECONDS

Explanation: The specified application server did not recover successfully within the specified time interval. There might be a problem that prevented the application server from recovering in time.

The variables in this message are:

- **applServerName** - the name of the application server
- **addrSpaceId** - the internal identity of the server address space
- **stcId** - the JCL procedure used to start the application server address space
- **channelId** - the channel used by this application server
- **time** - the actual time in seconds during which the application server did not recover

Corrective Action: Check the IOAGATE JES log, the DAIGLOG log, and the DATRACE log for more information. Try to correct the problem. Consider reassigning a SERVDUR parameter. For more assistance, contact BMC Software Customer Support.

ECAB60I STATISTICS COLLECTION STARTED. INTERVAL IS interval MINUTES

Explanation: This information message indicates that statistics collection for IOAGATE communication started. It is issued during IOAGATE startup when STAT is set to YES in the ECAPARM configuration file, and when the command F IOAGATE,STATON,INTERVAL= interval is issued.

Up to six columns of statistics are collected and saved. After that, existing columns are overwritten. For example, the seventh column of statistics replaces the first.

In this message, interval is the number of minutes during which statistics are collected for each column. After interval minutes, statistics collection for the next column begins.

Corrective Action: No action is required.

ECAB61I STATISTICS COLLECTION STOPPED

Explanation: This information message indicates that statistics collection stopped in response to an F IOAGATE,STATOFF command. Collected data is purged and will not be available.

Corrective Action: No action is required.
ECAB62I STATISTICS DATA WAS RESET

Explanation: This information message indicates that the command F IOAGATE,STATRESET was issued. Data collected earlier is purged, and collection of new data restarts immediately.
Corrective Action: No action is required.

ECAB63W STATISTICS COLLECTION IS ALREADY ON

Explanation: An F IOAGATE,STATON command was issued, but statistics collection for IOAGATE was already active. To reset the statistics collected data, use the command F IOAGATE,STATRESET instead. IOAGATE statistics collection is not restarted. The modify command is rejected.
Corrective Action: No action is required.

ECAB64W STATISTICS COLLECTION IS ALREADY OFF

Explanation: An F IOAGATE,STATOFF command was issued, but statistics collection for IOAGATE was not active. The modify command is rejected. Normal processing continues.
Corrective Action: No action is required.

ECAB65W INVALID STATISTICS INTERVAL WAS SPECIFIED

Explanation: The value of interval in the command F IOAGATE,STATON,INTERVAL=interval is not valid. The statistics interval sets the time scale for statistics collection and presentation. It must be in the range from 1 through 999 (minutes). For example, if INTERVAL is set to 5, the statistics report will maintain and present the figures at intervals of 5 minutes. The modify command is rejected. Normal processing continues.
Corrective Action: Correct the value of interval and reissue the command.

Messages ECAC00 through ECACxx

This group includes messages for the IOA (infrastructure) product.

ECAC60E CHANNEL(channelId.protocol) TASK(taskId.type) SIB ALLOCATION FAILED FOR msgType.reqType MESSAGE

Explanation: IOAGATE encountered an internal problem when trying to allocate a SIB (Service Instance Block) control block for the current transaction (message).
The variables in this message are:
The variables in this message are:

- **channelId** - the identity of the channel that detected the problem
- **protocol** - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- **taskId** - the internal identity of the channel task that detected the problem
- **type** - the internal type of the channel task that detected the problem
- **msgType** - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- **reqType** - the type of the request. This variable may not appear. Valid values are:
  - NOTIFY
  - STOP
  - CANCEL
  - MODIFY
  - INIT
  - ATTTACH

Corrective Action: If the message persists, contact BMC Software Customer Support.

ECAC61E CHANNEL(\texttt{channelId.protocol}) TASK(\texttt{taskId.type}) SIB LOCK FAILED FOR \texttt{msgType.reqType} MESSAGE

Explanation: IOAGATE encountered an internal problem when processing the SIB (Service Instance Block) control block of the current transaction (message).

The variables in this message are:

- **channelId** - the identity of the channel that detected the problem
- **protocol** - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- **taskId** - the internal identity of the channel task that detected the problem
- **type** - the internal type of the channel task that detected the problem
- **msgType** - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
 reqType - the type of the request. This variable may not appear. Valid values are:

- NOTIFY
- STOP
- CANCEL
- MODIFY
- INIT
- ATTACH

**Corrective Action:** Contact BMC Software Customer Support if the message persists.

ECAC62E CHANNEL((channelId.protocol) TASK(taskId.type) msgType
MESSAGE FAILED DUE TO DISCONNECTION, PORT(port) / APPL ID(appId)

**Explanation:** IOAGATE failed to process the specified message due to disconnection on the indicated port (TCP protocol) port or the VTAM application ID (SNA protocol) appId.

The variables in this message are:

- channelId - the identity of the channel that detected the problem
- protocol - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- taskId - the internal identity of the channel task that detected the problem
- type - the internal type of the channel task that detected the problem
- msgType - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- port - the port number for TCP disconnection
- applId - the VTAM application identity for SNA disconnection

**Corrective Action:** Contact BMC Software Customer Support if the message persists.

ECAC63I CHANNEL((channelId.SNA) DEALLOCATE SENT TO PARTNER
LU(luName) OUT_CONV_ID(out_conversation_id)
IN_CONV_ID(in_conversation_id)

**Explanation:** This information message indicates that a DEALLOCATE command was sent to the partner IOAGATE, because either the partner or the local IOAGATE terminated.

The variables in this message are:
If the partner IOAGATE is terminating, the local IOAGATE sends a termination message to the partner IOAGATE. If the local IOAGATE is terminating, it sends termination messages to its partner IOAGATEs.

**Corrective Action:** No action is required.

**Explanation:** IOAGATE rejected the specified message because no Application server was available.

The variables in this message are:

- `channelId` - the identity of the channel that rejected the message
- `protocol` - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- `taskId` - the internal identity of the channel task that rejected the message
- `type` - the internal type of the channel task that rejected the message
- `msgType` - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL

**Corrective Action:** Contact BMC Software Customer Support if the message persists.

**Explanation:** IOAGATE rejected the specified message because the required Application server was down.

The variables in this message are:

- `channelId` - the identity of the channel that rejected the message
- `protocol` - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
INCONTROL for z/OS Messages Manual

- taskId - the internal identity of the channel task that rejected the message
- type - the internal type of the channel task that rejected the message
- msgType - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- addrSpaceId - the internal identity of the address space of the Application

Corrective Action: Contact BMC Software Customer Support if the message persists.

ECAC66E CHANNEL(channelId.protocol) TASK(taskId.type) msgType
MESSAGE REJECTED, CHANNEL DOES NOT SUPPORT APPLICATION(applCode)

Explanation: IOAGATE rejected the specified message because an invalid application was specified in the message.

The variables in this message are:
- channelId - the identity of the channel that rejected the message
- protocol - the current channel uses this protocolValid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- taskId - the internal identity of the channel task that rejected the message
- type - the internal type of the channel task that rejected the message
- msgType - the type of the messageValid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- applCode - the application code

Corrective Action: Contact BMC Software Customer Support if the message persists.

ECAC67E CHANNEL(channelId.protocol) TASK(taskId.type) msgType
MESSAGE REJECTED, APPL. SERVER(applServer) IS UNAVAILABLE

Explanation: IOAGATE rejected the specified message because the required application server was unavailable.

The variables in this message are:
\begin{itemize}
  \item \textit{channelId} - the identity of the channel that rejected the message
  \item \textit{protocol} - the current channel uses this communication protocol
    \begin{itemize}
      \item TCP - TCP/IP communication protocol
      \item SNA - SNA communication protocol
    \end{itemize}
  \item \textit{taskId} - the internal identity of the channel task that rejected the message
  \item \textit{type} - the internal type of the channel task that rejected the message
  \item \textit{msgType} - the type of the message
    \begin{itemize}
      \item INCOMING
      \item OUTGOING
      \item INTERNAL
    \end{itemize}
  \item \textit{applServer} - the name of the unavailable application server
\end{itemize}

**Corrective Action:** Contact BMC Software Customer Support if the message persists.

ECAC68E CHANNEL(\textit{channelId.protocol}) TASK(\textit{taskId.type}) \textit{hshakeType}
HANDSHAKE(FROM=\textit{local_node_id} TO=\textit{target_node_id}) \textit{action}

**Explanation:** IOAGATE is about to ignore or reject the specified handshake message for the reason indicated in the message that accompanies this ECAC68E message.

The variables in this message are:
\begin{itemize}
  \item \textit{channelId} - the identity of the channel that rejected the handshake
  \item \textit{protocol} - the current channel uses this communication protocol
    \begin{itemize}
      \item TCP - TCP/IP communication protocol
      \item SNA - SNA communication protocol
    \end{itemize}
  \item \textit{taskId} - the internal identity of the channel task that detected the problem
  \item \textit{type} - the internal type of the channel task that detected the problem
  \item \textit{hshakeType} - the type of the handshake
    \begin{itemize}
      \item CONNECT
      \item CONFIRM
      \item REJECT
      \item INFORM
      \item UNKNOWN
    \end{itemize}
  \item \textit{local_node_id} - the identity of the local node in which the local IOAGATE is running
  \item \textit{target_node_id} - the identity of the partner node in which the partner IOAGATE is running
  \item \textit{action} - the action that IOAGATE is about to perform to the received handshake
    \begin{itemize}
      \item TO BE REJECTED
    \end{itemize}
\end{itemize}
IOAGATE disconnects from the IOAGATE that sent this handshake message.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map. For more information on configuring the network map, see the *INCONTROL for z/OS Installation Guide*.

**ECAC69I** REASON: NO PARTNER NODE IN MAP(mapId) MATCHES SENDER NODE(node_id) IN HANDSHAKE

**Explanation:** This message follows the ECAC68E message, and specifies the exact reason for the handshake rejection, which is that the network map does not contain the node name obtained in the handshake message.

The variables in this message are:

- `mapId` - the identity of the network map
- `node_id` - the identity of the partner node in which the partner IOAGATE is running

IOAGATE disconnects from the IOAGATE that sent this handshake message.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map. For more information on configuring the network map, refer to the *INCONTROL for z/OS Installation Guide*.

**ECAC6AI** LOCAL NODE(local_node_id) OF CHANNEL(channel) DOES NOT MATCH TARGET NODE(target_node_id) OF HANDSHAKE

**Explanation:** The message follows the ECAC68E message, and specifies an exact reason for the handshake rejection, that is, the local node name does not match the target node name obtained in the handshake message.

The variables in this message are:

- `local_node_id` - the identity of the local node in which the local IOAGATE is running
- `channel` - the identity of the channel that detected the problem
- `target_node_id` - the identity of the partner node in which the partner IOAGATE is running

IOAGATE disconnects from the partner IOAGATE that sent this handshake message.

**Corrective Action:** Correct IOAGATE-to-IOAGATE connection configuration in the network map. For more information on configuring the network map, see the *INCONTROL for z/OS Installation Guide*.

**ECAC6BI** REASON: INVALID HANDSHAKE RECEIVED: rsn

**Explanation:** This message follows the ECAC68E message, and specifies an exact reason for the handshake rejection, which is that the handshake message has an illegal format.

In this message, `rsn` is the reason for the identification of the handshake as invalid. Valid values are:
Bad HANDSHAKE ID
Bad Type-Message
Bad Type-Record
Bad Product-ID
Bad Software-Lvl

IOAGATE disconnects from the IOAGATE that sent the handshake message.

**Corrective Action:** Contact BMC Software Customer Support.

ECAC6CE CHANNEL(\textit{channelId.protocol}) TASK(\textit{taskId.type}) \textit{msgType} MESSAGE REJECTED, INVALID SEQUENCE NUMBER(\textit{seqNumber})

**Explanation:** IOAGATE rejected the specified message due to an invalid sequence number in the message.

The variables in this message are:

- \textit{channelId} - the identity of the channel that rejected the message
- \textit{protocol} - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- \textit{taskId} - the internal identity of the channel task that rejected the message
- \textit{type} - the internal type of the channel task that rejected the message
- \textit{msgType} - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- \textit{seqNumber} - the invalid sequence number that appears in the message

**Corrective Action:** If the message persists, contact BMC Software Customer Support.

ECAC6DE CHANNEL(\textit{channelId.protocol}) TASK(\textit{taskId.type}) ALLOCATED SIB NOT FOUND FOR \textit{msgType.reqType} MESSAGE

**Explanation:** IOAGATE encountered an internal problem. It was unable to find the SIB (Service Instance Block) control block for the current transaction although this SIB must exist.

The variables in this message are:

- \textit{channelId} - the identity of the channel that detected the problem
- \textit{protocol} - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
• taskId - the internal identity of the channel task that detected the problem
• type - the internal type of the channel task that detected the problem
• msgType - the type of the message. Valid values are:
  • INCOMING
  • OUTGOING
  • INTERNAL
• reqType - the type of the request. This variable may not appear. Valid values are:
  • NOTIFY
  • STOP
  • CANCEL
  • MODIFY
  • INIT
  • ATTACH

Corrective Action: If the message persists, contact BMC Software Customer Support.

ECAC6EE CHANNEL(channelId.protocol) TASK(taskId.type) msgType
MESSAGE REJECTED, INVALID SERVICE ID (serviceId)

Explanation: IOAGATE rejected the specified message due to an invalid service identity (or transaction code) in the message.

The variables in this message are:
• channelId - the identity of the channel that rejected the message
• protocol - the current channel uses this communication protocol. Valid values are:
  • TCP - TCP/IP communication protocol
  • SNA - SNA communication protocol
• taskId - the internal identity of the channel task that detected the problem
• type - the internal type of the channel task that detected the problem
• msgType - the type of the message. Valid values are:
  • INCOMING
  • OUTGOING
  • INTERNAL
• serviceId - the transaction code

Corrective Action: If the message persists, contact BMC Software Customer Support.
ECAC6FE CHANNEL(channelId.protocol) TASK(taskId.type) msgType MESSAGE REJECTED, INVALID ADDR.SPACE ID(addrSpaceId)

**Explanation:** IOAGATE rejected the specified message because there was an invalid address space internal ID in the message.

The variables in this message are:

- **channelId** - the identity of the channel that rejected the message
- **protocol** - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- **taskId** - the internal identity of the channel task that rejected the message
- **type** - the internal type of the channel task that rejected the message
- **msgType** - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- **addrSpaceId** - the internal identity of the application address space

**Corrective Action:** If the message persists, contact BMC Software Customer Support.

ECAC6GE CHANNEL(channelId.protocol) TASK(taskId.type) msgType MESSAGE REJECTED, SERVICE(serviceId DISABLED)

**Explanation:** IOAGATE rejected the specified message because the service indicated by the service_id transaction code was disabled by IOAGATE.

The variables in this message are:

- **channelId** - the identity of the channel that rejected the message
- **protocol** - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- **taskId** - the internal identity of the channel task that rejected the message
- **type** - the internal type of the channel task that rejected the message
- **msgType** - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- **serviceId** - the code of a transaction to be performed by IOAGATE

**Corrective Action:** If the message persists, contact BMC Software Customer Support.

**ECAC6HE CHANNEL(channelId.protocol) TASK(taskId.type) msgType EXTENDED MESSAGE REJECTED, INVALID APPLICATION(appl)**

**Explanation:** IOAGATE rejected the specified extended message due to an invalid application code specified in the message. An extended message format is used in IOAGATE-to-IOAGATE communication.

The variables in this message are:
- **channelId** - the identity of the channel that rejected the message
- **protocol** - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- **taskId** - the internal identity of the channel task that rejected the message
- **type** - the internal type of the channel task that rejected the message
- **msgType** - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- **appl** - the invalid application code

**Corrective Action:** If the message persists, contact BMC Software Customer Support.

**ECAC6IE CHANNEL(channelId.protocol) TASK(taskId.type) msgType MESSAGE REJECTED, INVALID APPLICATION CODE(appl)**

**Explanation:** IOAGATE rejected the specified message due to an invalid application code specified in the message.

The variables in this message are:
- **channelId** - the identity of the channel that rejected the message
- **protocol** - the current channel uses this communication protocol. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- **taskId** - the internal identity of the channel task that rejected the message
- **type** - the internal type of the channel task that rejected the message
- **msgType** - the type of the message. Valid values are:
  - INCOMING
  - OUTGOING
INTERNAL

- appl - the invalid application code

**Corrective Action:** If the message persists, contact BMC Software Customer Support.

**ECAC6JI REASON:** LOCAL NODE(*local_node_id*) ALREADY CONNECTED TO PARTNER(*partner_node_id*)

**Explanation:** This message follows the ECAC68E message and specifies an exact reason for the handshake rejection. The reason is that the local IOAGATE received a handshake message from the partner IOAGATE, but connection between these IOAGATEs had been already established. This may happen when both IOAGATEs are configured with the CONNECTOR parameter set to LOCAL and the local IOAGATE had already succeeded in initiating and establishing the connection.

The variables in this message are:

- *local_node_id* - the identity of the local node in which the local IOAGATE is running
- *partner_node_id* - the identity of the partner node in which the partner IOAGATE is running

**Corrective Action:** No action is required.

**ECAC6KI REASON:** LOCAL NODE(*local_node_id*) IS CONNECTING TO PARTNER(*partner_node_id*)

**Explanation:** This message follows the ECAC68E message and specifies an exact reason for the handshake rejection. The reason is that both IOAGATEs are configured with the CONNECTOR parameter set to LOCAL and the local IOAGATE is not able to accept a handshake because it has been connecting to the specified Partner node.

The variables in this message are

- *local_node_id* - the identity of the local node in which the local IOAGATE is running
- *partner_node_id* - the identity of the partner node in which the partner IOAGATE is running

IOAGATE ignores the handshake message.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map. For more information on configuring the network map, see the INCONTROL for z/OS Installation Guide.

**ECAC6LI REJECTION NOTICE (msgId) RECEIVED FROM PARTNER(*partnerId*)**

**Explanation:** A diagnostic message has been received from the *partnerId* partner IOAGATE.

This ECAC6LI message is followed by the ECAC6QI message, which displays the diagnostic message that was received.

The variables in this message are:

- *msgId* - the identity of the diagnostic message
- *partnerId* - the identity of the partner IOAGATE

**Corrective Action:** No action is required.
ECAC6ME CHANNEL(*channelId.*protocol*) TASK(*taskId.*type*)  
GET-IOAGATE-ID REQUEST REJECTED, *rsn*  

Explanation: The message indicates that either IOAGATE received an invalid GET-IOAGATE-ID request from a client or IOAGATE failed to create a response to this request.

The variables in this message are:

- **channelId** - the identity of the channel that detected the problem
- **taskId** - the internal identity of the channel task that detected the problem
- **type** - the internal type of the channel task that detected the problem
- **rsn** - the reason for the rejection of the request. Valid values for *rsn* are:
  - Failure to set the IP address/Hostname
  - Invalid request received

Processing continues. The client that sent the invalid request has been disconnected.

Corrective Action: If the message persists, contact BMC Software Customer Support.

ECAC6NE CHANNEL(*channelId.*TCP*) TASK(*taskId.*type*) CHECKSUM ENCRYPTION REQUEST REJECTED, *rsn*  

Explanation: The message indicates that IOAGATE rejected a checksum encryption request from a client for the reason *rsn*.

The variables in this message are:

- **channelId** - the identity of the channel that rejected the request
- **taskId** - the internal identity of the channel task that rejected the request
- **type** - the internal type of the channel task that rejected the request
- **rsn** - the reason for the rejection of the request. Valid values for *rsn* are:
  - Invalid CheckSum request
  - Encryption not configured
  - Encryption disabled
  - No Encryption processor
  - No CheckSum prepared
  - Invalid CheckSum arrived
  - Invalid algorithm given
  - Channel is not eligible

Processing continues. The client that sent the request has disconnected.

Corrective Action: Do the following:

1. Ensure that IOAGATE and the client use the same file of encryption keys.
2. Examine the JES log, DAIGLOG, and DATRACE outputs from IOAGATE for additional error indications and try to correct the problem.

3. If the message persists, contact BMC Software Customer Support.

**ECAC6OE CHANNEL(channelId.TCP) TASK(taskId.type) INCOMING MESSAGE REJECTED, rsn.**

**Explanation:** IOAGATE rejected an incoming message from a client for the reason rsn.

The variables in this message are:
- `channelId` - the identity of the channel that rejected the message
- `taskId` - the internal identity of the channel task that rejected the message
- `type` - the internal type of the channel task that rejected the message
- `rsn` - the reason for the rejection of the message

Valid values for `rsn` are:
- Message must be encrypted
- Encryption not configured
- Encryption disabled

Processing continues. The client that sent the message has disconnected.

**Corrective Action:** Do the following:

1. Ensure that IOAGATE and the client use the same file of encryption keys.
2. Examine the JES Log, DAIGLOG, and DATRACE outputs from IOAGATE for further information about the error and take appropriate corrective action.
3. If the message persists, contact BMC Software Customer Support.

**ECAC6PI REASON NOTICE (msgId) RECEIVED FROM PARTNER(partnerId):**

**Explanation:** The message indicates that a diagnostic message has come from the partner IOAGATE. This ECAC6PI message is followed by the ECAC6QI message that displays the diagnostic message itself.

The variables in this message are:
- `msgId` - the identity of the diagnostic message
- `partnerId` - identity of the partner IOAGATE

**Corrective Action:** No action is required.

**ECAC6QI diagMsg**

**Explanation:** This information message follows messages ECAC6LI and ECAC6PI, and displays the diagnostic message that arrived from the partner IOAGATE that issued it.

In this message, `diagMsg` is the text of the diagnostic message that arrived from the partner IOAGATE.

**Corrective Action:** No action is required.
ECAC70I PROBABLE LOGMODE DEFINITIONS ERROR

Explanation: This information message indicates that the probable cause of the error reported in the preceding message is that an IOAGATE attempted to connect to a partner IOAGATE over the multiple connection (MC) SNA communication channel. However, the LOGMODE definitions of the partners probably do not match.

When two IOAGATES attempt to connect, both send their LOGMODE parameters during the BIND process. If these parameters do not match, connection fails.

The ECAG89W, ECAG90E, or ECAG95E message, which precedes this message, provides more details about the error.

The ECAC70I message is issued for a multiple connection (MC) SNA communication channel only.

Correction: Check the LOGMODE definition for each partner in the appropriate SYS1.VTAMLST library. Ensure they are defined according to instructions in the appropriate step of the Control-O chapter of the INCONTROL for z/OS Installation Guide, and restart the IOAGATE.

ECAC71I PROBABLE ALLOCATION FAILURE NO RETRY

Explanation: This information message indicates that the probable cause of the connection failure reported in the preceding message is that a local IOAGATE attempted to connect to a partner IOAGATE over the multiple connection (MC) SNA communication channel, and perform a VTAM LU 6.2 allocation request. It also indicates that no attempt will be made to connect again.

The ECAG89W, ECAG90E, or ECAG95E message, which precedes this message, provides more details about the error.

The ECAC70I message is issued for a multiple connection (MC) SNA communication channel only.

Correction: Check that the partner Gateway LU is active in VTAM and that it is defined according to instructions in the appropriate step in the Control-O chapter of the INCONTROL for z/OS Installation Guide. Then restart the IOAGATE. If the problem persists, call your system programmer for assistance.

ECAC72I PROBABLE ALLOCATION FAILURE RETRY

Explanation: This information message indicates that the probable cause of the connection failure reported in the preceding message is that a local IOAGATE attempted to establish a connection with a partner IOAGATE over the multiple connection (MC) SNA communication channel and performed a VTAM LU 6.2 allocation request. It also indicates that an attempt will be made to connect again.

The ECAG89W, ECAG90E, or ECAG95E message, which precedes this message, provides more details about the error.

The ECAC70I message is issued for a multiple connection (MC) SNA communication channel only.

Processing continues. Connection is retried after one minute.

Correction: Ensure that the partner Gateway LU is active in VTAM and that it is defined according to instructions in the appropriate step in the Control-O chapter of the INCONTROL for z/OS Installation Guide. Then restart the IOAGATE. If the problem persists, call your system programmer for assistance.
ECAC73I PROBABLE MISMATCH IN VTAM DEFINITIONS

Explanation: This information message indicates that the probable cause of the connection failure reported in the preceding message, is that there is a mismatch in the IOAGATE LU definitions. An IOAGATE attempted to establish connection with a partner IOAGATE over the multiple connection (MC) SNA communication channel. However, the VTAM 6.2 LU is defined incorrectly.

The ECAG99W, ECAG90E, or ECAG95E message, which precedes this message, provides more details about the error.

The ECAC70I message is issued for a multiple connection (MC) SNA communication channel only. The multiple connection SNA channel shuts down. Processing continues.

Corrective Action: Define the IOAGATE VTAM 6.2 LU according to instructions in the appropriate step in the Control-O chapter of the INCONTROL for z/OS Installation Guide. Then restart the IOAGATE.

Messages ECAE00 through ECAExx

This group includes messages for the IOA (infrastructure) product.

ECAE01I ENCRYPTION ENVIRONMENT INITIALIZED SUCCESSFULLY

Explanation: This information message indicates that ENCRYPT was set to YES in the ECAPARM configuration file for at least one Application server, and that IOAGATE has successfully initialized the encryption environment.

Corrective Action: No action is required.

ECAE02W CHANNEL(channelId.TCP) TASK(taskId.type) ENCRYPTION PROPAGATED ON APPL.SERVER(applServerName.addrSpaceId)

Explanation: This message indicates that more than one application server is linked in the ECAPARM configuration file to the channelId channel, and that ENCRYPT was set to YES for at least one of these servers. The specified channel automatically propagates the ENCRYPT=YES setting on all the servers linked to the channel.

The variables in this message are:
- channelId - the identity of the channel that propagates ENCRYPT=YES for all application servers linked to this channel
- taskId - the internal identity of the channel task that propagates ENCRYPT=YES for each application server linked to this channel
- type - the internal type of the channel task that propagates ENCRYPT=YES for each application server linked to this channel
- applServerName - the full name of the application server for which ENCRYPT was set to YES
- addrSpaceId - the internal ID of the application server address space

IOAGATE has propagated the setting of ENCRYPT to YES for the indicated Application server. Normal processing continues.

Corrective Action: No action is required.
ECAE0VE FAILURE TO DECRYPT AN INCOMING MESSAGE: \textit{rsn}

**Explanation:** IOAGATE encountered an internal error when trying to decrypt an incoming message.

In this message, \textit{rsn} is a reason code that shows the reason for the failure.

Valid values for \textit{rsn} are:

- Failure to get ENC\_key - failure to retrieve an encryption key
- ENC\_decr function failed - the decryption function failed

**Corrective Action:** Contact BMC Software Customer Support.

ECAE0WE APPL.SERVER(\textit{applServerName.addrSpaceId}) HAS BEEN DISABLED DUE TO FAILURE TO INITIALIZE ENCRYPTION

**Explanation:** IOAGATE failed to initialize the encryption environment requested by the setting of ENCRYPT to YES in the ECAPARM configuration file for the Application server \textit{applServerName}.

The variables in this message are:

- \textit{applServerName} - the name of the Application server that requested the encryption
- \textit{addrSpaceId} - the internal identity of the address space of the Application server that requested the encryption

Processing continues. The indicated Application server is not started.

**Corrective Action:** Check the JES log, DAI GLOG, and DATRACE outputs of IOAGATE for additional error indications. Try to correct the problem. If the problem persists, contact BMC Software Customer Support.

ECAE0XE ENCRYPTION DISABLED DUE TO FAILURE TO LOAD THE FILE OF KEYS

**Explanation:** When establishing the encryption environment, IOAGATE failed to load the file of keys that is used to perform encryption and decryption.

Processing continues. The encryption function has been disabled. The Application server that requests encryption is not started.

**Corrective Action:** Transfer the appropriate file of keys from the client side. If the problem persists, contact BMC Software Customer Support.

ECAE0YS ENCRYPTION PROCESSOR FAILED: INVALID ACTION CODE(\textit{actn\_code}) RECEIVED

**Explanation:** IOAGATE encountered a severe internal error when trying to perform an internal encryption or decryption function.

In this message, \textit{actn\_code} is the invalid action code that was received by the encryption processor.

The Application server that tried to perform the internal encryption or decryption function shuts down.

**Corrective Action:** Contact BMC Software Customer Support.
ECAE0ZS  ENCRYPTION  PROCESSOR  FAILED:  MCT  UNAVAILABLE

**Explanation:** IOAGATE encountered a severe internal error when trying to perform an internal encryption or decryption function.
The Application server that tried to perform the internal encryption or decryption function shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAE40I  CHANNEL( channelId.TCP) ALL TASKS STARTED, PORT(port) APPLICATION(applicId)

**Explanation:** This information message indicates that all communication tasks belonging to the specified dual connection (DC) TCP communication channel started successfully. During initialization, IOAGATE starts the tasks of all communication channels defined in the ECAPARM configuration file.
The variables in this message are:
- `channelId` - the channel identity assigned by the user in the ECAPARM configuration file
- `port` - the TCP/IP communication port number used by the specified TCP channel to listen for connection
- `applicId` - the application linked to the specified channel

**Corrective Action:** No action is required.

ECAE41I  CHANNEL( channelId.SNA) ALL TASKS STARTED, APPLIDS(applId1,applId2) APPLICATION(applicId)

**Explanation:** This information message indicates that all communication tasks of the indicated dual connection (DC) SNA communication channel started successfully. During initialization, IOAGATE starts the tasks of all communication channels defined in the ECAPARM configuration file.
The variables in this message are:
- `channelId` - the channel identity assigned by the user in the ECAPARM configuration file
- `applId1`, `applId2` - VTAM 6.2 (APPC) LU application IDs specified by the APPLIDS parameter in the ECAPARM configuration file for the channel
- `applicId` - the application linked to the channel

**Corrective Action:** No action is required.

ECAE42I  CHANNEL( channelId.TCP) ALL TASKS STARTED, PORT(port) APPLICATIONS(applicId)

**Explanation:** This information message indicates that all communication tasks of the specified multiple connection (MC) TCP communication channel started successfully. During initialization, IOAGATE starts the tasks of all communication channels defined in the ECAPARM configuration file.
The variables in this message are:
- **channelId** - the channel identity assigned by the user in the ECAPARM configuration file
- **port** - the number of the TCP/IP communication port that the specified TCP channel uses to listen for connection
- **applId** - a list of the applications linked to the channel

**Corrective Action:** No action is required.

**ECAE43I CHANNEL(channelId.SNA) ALL TASKS STARTED, APPLID(applId) APPLICATIONS(applId)**

**Explanation:** This information message indicates that all communication tasks belonging to the indicated multiple connection (MC) SNA channel started successfully. During initialization, IOAGATE starts the tasks of all communication channels defined in the ECAPARM configuration file.

The variables in this message are:
- **channelId** - the channel identity assigned by the user in the ECAPARM configuration file
- **applId** - VTAM 6.2 (APPC) LU APPLID parameter specified in the ECAPARM configuration file for a multiple connection SNA channel
- **applId** - List of applications linked to the channel

**Corrective Action:** No action is required.

**ECAE44I CHANNEL(channelId.protocol) RUNNING IN NODE(node_id) WITH NETWORK MAP(mapId)**

**Explanation:** This information message indicates that the indicated multiple connection (MC) communication channel supporting IOAGATE to IOAGATE communication started successfully. During initialization, IOAGATE starts the communication channels defined in the ECAPARM configuration file.

The variables in this message are:
- **protocol** - the communication protocol used by the current channel, which may be TCP (TCP/IP) or SNA
- **channelId** - the channel identity assigned by the user in the ECAPARM configuration file
- **node_id** - the node in which the local IOAGATE is running
- **mapId** - a member in the IOA PARM library that describes a map of network connections between IOAGATEs that enables one IOAGATE to communicate with another over a multiple connection SNA channel

**Corrective Action:** No action is required.

**ECAE45I CHANNEL(channelId.TCP) IS UP, PORT(port) APPLICATION(applicId)**

**Explanation:** This information message indicates that the specified dual connection (DC) TCP communication channel of the IOAGATE is up. The dual connection TCP communication channel was initialized successfully, and is ready for communication.
The variables in this message are:

- channelId - the channel identity assigned by the user in the ECAPARM configuration file
- port - the number of the TCP/IP communication port used by the TCP channel to listen for connection
- applicId - the identity of the application supported by the application server that is linked to the channel

Corrective Action: No action is required.

**ECAE46I CHANNEL(channelId.TCP) IS UP, PORT(port) APPLICATIONS(applicId)**

Explanation: This information message indicates that the specified multiple connection (MC) TCP communication channel of the IOAGATE is up. The multiple connection TCP communication channel was initialized successfully, and is ready for communication.

The variables in this message are:

- channelId - the channel identity assigned by the user in the ECAPARM configuration file
- port - the number of the TCP/IP communication port that the TCP channel uses to listen for connection
- applicId - the identity of the application supported by the application server that is linked to the channel

Corrective Action: No action is required.

**ECAE47I CHANNEL(channelId.SNA) IS UP, APPLIDS(applId1,applId2) APPLICATIONS(applicId)**

Explanation: This information message indicates that the specified dual connection (DC) SNA communication channel of the IOAGATE is up. The dual connection SNA communication channel was initialized successfully, and is ready for communication.

The variables in this message are:

- channelId - the channel identity assigned by the user in the ECAPARM configuration file
- applId1, applId2 - VTAM 6.2 (APPC) LU application identities specified by the APPLIDS parameter in the ECAPARM configuration file for the channel
- applicId - the identity of the application supported by the application server that is linked to the channel

Corrective Action: No action is required.

**ECAE48I CHANNEL(channelId.SNA) IS UP, APPLID(applId) APPLICATIONS(applicId)**

Explanation: This information message indicates that the specified multiple connection (MC) SNA communication channel is up. The multiple connection SNA communication channel was initialized successfully, and is ready for communications.
The variables in this message are:

- **channelId** - the channel identity assigned by the user in the ECAPARM configuration file
- **applId** - VTAM 6.2 (APPC) LU application ID specified by APPLID parameter in the ECAPARM configuration file for the channel
- **applicId** - the identity of the application supported by the application server that is linked to the channel

**Corrective Action:** No action is required.

ECAE49W CHANNEL(channelId.TCP) PORT(port), RECYCLING INITIATED DUE TO APPL.SERVER (applServerName.addrSpaceId) FAILURE

**Explanation:** IOAGATE detected a failure of the specified application server. As a result of the application server failure, IOAGATE initiated recycling of the indicated TCP channel.

The variables in this message are:

- **channelId** - the channel identity assigned by the user in the ECAPARM configuration file
- **port** - the number of the TCP/IP communication port that the TCP channel uses to listen for connection
- **applServerName** - the name of the failed application server
- **addrSpaceId** - the internal identity of the failed application server address space

**Corrective Action:** No action is required.

ECAE4AW CHANNEL(channelId.SNA) APPLIDS(applId1,applId2), RECYCLING INITIATED DUE TO APPL.SERVER (applServerName.addrSpaceId) FAILURE

**Explanation:** IOAGATE detected a failure of the specified application server. As a result of the application server failure, IOAGATE initiated recycling of the indicated SNA channel.

The variables in this message are:

- **channelId** - the channel identity assigned by the user in the ECAPARM configuration file
- **applId1**, **applId2** - VTAM 6.2 (APPC) LU application identities specified by APPLIDS parameter in the ECAPARM configuration file for the channel
- **applServerName** - the name of the failed application server
- **addrSpaceId** - the internal identity of the failed application server address space

**Corrective Action:** No action is required.

ECAE50S LOAD FAILED FOR MODULE(mod)

**Explanation:** An attempt to load the *mod* module into the main memory of either the IOAGATE or application server address space failed. The system completion code indicates the exact reason for the failure.
Possible causes are:

- The `mod` module is not in the IOA Load library,
- There is not enough storage.

The IOAGATE or application server address space shuts down, with a return code of 52 in either case.

**Corrective Action:** Do the following:

1. Examine the reason code for the failure in the system log.
2. Try to correct the problem.
3. If necessary, increase the region size.
4. If the problem persists, call your system programmer for assistance.

**ECAE51W ERROR IN MODASID COMMAND `rsn`**

**Explanation:** IOAGATE detected an error in the `F IOAGATE,MODASID modifyCommand, modifyCommandParms` command that was issued. The MODASID command is used to submit a modify command, expressed as MODASID parameters, that will be executed in the address space of the application server.

Possible values of `rsn` are:

- COMMAND IS EMPTY - there are no parameters in the MODASID command
- ADDR.SPACe IS DOWN - the address space of the application server specified in the MODASID command is not active
- BAD APPL.SERVER ID - the address space of the application server specified in the MODASID command does not exist

The MODASID command is not processed. Normal processing continues.

**Corrective Action:** Correct and reissue the MODASID command.

**ECAE52I MODIFY(modifyCommand, modifyCommandParms) FOR SERVER(applServerName.type.taskId.addrSpaceId) SUBMITTED**

**Explanation:** This information message indicates that IOAGATE accepted and submitted the command `F IOAGATE,MODASID=modifyCommand, modifyCommandParms`. The MODASID command is used to submit a modify command, expressed as MODASID parameters, that will be executed in the address space of the application server.

The variables in this message are:
.modifyCommand - the modify command to be performed in an application server address space
.modifyCommandParms - the parameters, if any, required by modifyCommand
.applServerName - the name of the application server
.type - the CD server task type
.taskId - the internal identity of the server task
.addrSpaceId - the internal identity of the application server address space

Corrective Action: No action is required.

ECAE53W NO APPLICATION SERVER HAS BECOME AVAILABLE IN THE LAST interval MINUTES

Explanation: No application server address space started in the specified time interval, either since IOAGATE launched the application servers defined in the ECAPARM configuration file or since the previous ECAE53W warning. There might be a problem that prevents an application server from being started in time.

In this message, interval is the number of minutes between occurrences of this warning message. The default interval is three minutes.

Processing continues. If the STAYUP parameter is set to YES in the ECAPARM configuration file, this message is issued every three minutes until at least a single application server becomes available. Otherwise, after issuing five ECAE53W warnings, IOAGATE shuts down.

Corrective Action: Check the IOAGATE JES log, the DAIGLOG log, and the DATRACE log for more information. Try to correct the problem. If the problem persists, contact BMC Software Customer Support.

ECAE54S IOAGATE IS GOING DOWN, NO APPLICATION SERVER HAS BECOME AVAILABLE IN THE LAST num MINUTES

Explanation: No application server address started in the specified number (num) of minutes since IOAGATE launched the application servers defined in the ECAPARM configuration file. Some problem is preventing application servers from starting in time. Several ECAE53W warnings precede this message.

This message can be issued only if the STAYUP parameter is set to NO in the ECAPARM configuration file. For more information, see message ECAE53W.

Corrective Action: Check the IOAGATE JES log, the DAIGLOG log, and the DATRACE log for more information. Try to correct the problem. If the problem persists, contact BMC Software Customer Support.

ECAE56S module INTERNAL ERROR, INVALID PARAMETERS PASSED TO module

Explanation: IOAGATE encountered a severe internal problem during initialization. IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.
ECAE57I  *monitorId* is staying up due to STAYUP=YES specification in ECAPARM

**Explanation:** This information message indicates that all Application servers either failed or did not start. IOAGATE cannot go down, because the STAYUP parameter is set to UP in the ECAPARM configuration file.

In this message, *monitorId* is the started task (STC) name of the IOAGATE.

The IOAGATE monitor continues to run.

**Corrective Action:** No action is required.

Messages ECAF00 through ECAFxx

This group includes messages for the IOA (infrastructure) product.

ECAF01I  CHANNEL(*channelId*.TCP) COMTASK(*taskId*) SOCKET(*socket*) FILE TRANSFER(*transfer_id*) STARTED, FILE(*file*)

**Explanation:** This information message indicates that the specified multiple connection (MC) TCP channel successfully initiated a file transfer in response to the current request from a client of the Control-D File Transfer Option (FTO) client request.

The variables in this message are:

- *channelId* - the identity of the channel that performs the file transfer
- *taskId* - the internal identity of the communication task that performs the file transfer
- *socket* - the TCP/IP socket number assigned to the connection with the file transfer client within the indicated communication task
- *transfer_id* - the internal identity assigned by the channel to this file transfer
- *file* - the name of the file transferred. If the client that resides on the mainframe platform initiated the request, then this is the DD name by which the file was allocated.

**Corrective Action:** No action is required.

ECAF07I  TRANSFER(*transfer_id*) ProtVer(*protocol_versn*) Elapsed=(*elapsed_time*) Blocks=(*blocks_no*) Bytes=(*bytes_no*) Compr.rate=(*compression_rate%*)

**Explanation:** This information message follows the ECAF08I message issued for the *transfer_id* file transfer and provides statistical data for that transfer.

The variables in this message are:
**ECAF08I** CHANNEL(channelId.TCP) COMTASK(taskId) SOCKET(socket) FILE TRANSFER(transfer_id) complCode, FILE(file)

**Explanation:** This information message indicates that the specified multiple connection (MC) TCP channel finished processing the current request from a client of the Control-D Option (FTO).

This message may be followed by the ECAF07I message, which provides statistical data relating to the file transfer that has just been completed.

The variables in this message are:
- **channelId** - the identity of the channel that handled the file transfer
- **taskId** - the internal identity of the communication task that handled the file transfer
- **socket** - the TCP/IP socket number assigned to the connection with the Control-D File Transfer option client within the indicated communication task
- **transfer_id** - the internal identity assigned by the channel to this file transfer
- **complCode** - a code indicating how the specified file transfer ended. Valid values are:
  - COMPLETED - the file transfer completed successfully
  - REJECTED - the application server rejected the file
- **file** - the name of the file to be transferred. If the client that resides on the mainframe platform initiated the request, then this is a DD name by which the file was allocated.

**Corrective Action:** No action is required.
ECAF09S CHANNEL(channelId.TCP) COMTASK(taskId) SOCKET(socket), FTC CONNECTION CELL NOT FOUND

Explanation: A severe internal error occurred during processing of the current request from a client of Control-D File Transfer Option (FTO).

The variables in this message are:

- channelId - the identity of the channel that encountered the error
- taskId - the internal identity of the communication task that encountered the error
- socket - the TCP/IP socket number assigned to the connection with the Control-D FTO client within the specified communication task

The current request is discarded, and processing continues.

Corrective Action: Contact BMC Software Customer Support.

ECAF0AS CHANNEL(channelId.TCP) COMTASK(taskId) ECAFTCM FAILED, RC(rsn)

Explanation: The ECAFTCM internal routine failed to perform the required function during processing of an incoming request from a client of the Control-D File Transfer Option (FTO). This is a severe internal error.

The variables in this message are:

- channelId - the identity of the channel that encountered the error
- taskId - the internal identity of the communication task that encountered the error
- rsn - the reason code returned by the ECAFTCM internal routine to indicate the severity of the failure

Valid values are:

- 08 - the error enables processing to continue
- 12 - unrecoverable error

If an unrecoverable error occurred, processing stops. Otherwise, processing continues.

Corrective Action: Contact BMC Software Customer Support.

ECAF0BS CHANNEL(channelId.TCP) COMTASK(taskId) ECAFTCM OBTAINED BAD PARAMETER(parameter) FUNCTION(func)

Explanation: This is a severe internal error. During processing of an incoming request from the Control-D File Transfer Option (FTO) client, the ECAFTCM internal routine obtained an invalid value for the indicated parameter.

The variables in this message are:
- **channelId** - the identity of the channel that encountered the error
- **taskId** - the internal identity of the communication task that encountered the error
- **parameter** - the name of the parameter for which the invalid value was obtained
- **func** - the identity of the function that was passed to the routine when it was invoked

**Corrective Action:** Contact BMC Software Customer Support.

ECAF0CW CHANNEL(\textit{channelId}.TCP) COMTASK(\textit{taskId}) COUNTER OF CTD/FTO CONNECTIONS HAS BEEN RESET

**Explanation:** The ECAFTCM internal routine reset the internal counter of connections initiated by the Control-D File Transfer Option (FTO) client, because the counter exceeded the allowed maximum during processing of an incoming request.

**Corrective Action:** No action is required.

ECAF0DS CHANNEL(\textit{channelId}.TCP) COMTASK(\textit{taskId}) CLIENT(\textit{client}) ECAFLTR OBTAINED BAD CALLMODE(\textit{callmode})

**Explanation:** This is a severe internal error. The ECAFLTR internal routine of the specified multiple connection (MC) TCP channel was invoked with an invalid parameter during processing of a request.

The variables in this message are:
- **channelId** - the identity of the channel processing the request
- **taskId** - the internal identity of the communication task processing the request
- **client** - 1-character code of the client associated with the request
- **callmode** - the internal mode that is passed to the specified communication task as a parameter
  - Valid values are:
    - R - the call occurred after the communication task performed a RECEIVE
    - S - the call occurred before the communication task performed a SEND
    - T - the call occurred after the communication task performed a SEND
    - E - the call occurred before the communication task performed a SEND of the error message

**Corrective Action:** Contact BMC Software Customer Support.

**Messages ECAG00 through ECAGxx**

This group includes messages for the IOA (infrastructure) product.

ECAG00I IOAGATE STARTED, RELEASE(\textit{relId}) CCI.D(\textit{changeLevel})

**Explanation:** This information message indicates that the IOAGATE monitor started normally.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **relId** - the official release and the maintenance level of the IOAGATE
- **changeLevel** - the change that was last applied to the main module of IOAGATE

**Corrective Action:** No action is required.

**ECAG01W MAINTENANCE LEVEL MODULE(ECALVL) UNAVAILABLE**

**Explanation:** The ECALVL module that contains the release and maintenance level information relating to IOAGATE was not found in the STEPLIB load library.

**Corrective Action:** No action is required.

**ECAG02E IOAGATE NOT APF AUTHORIZED**

**Explanation:** IOAGATE is not APF-authorized. The main module of IOAGATE either resides in a non-APF-authorized library or does not have the AC=1 attribute. All Load libraries concatenated to IOAGATE STEPLIB must be APF authorized.

IOAGATE shuts down.

**Corrective Action:** Either add all STEPLIB library names to the IEAAPF00 member in SYS1.PARMLIB, or use some other means available at the site to make the STEPLIB libraries APF-authorized.

**ECAG03I ****.channelId. protocol SECTION OF THE mapId NETWORK MAP ******

**Explanation:** This message is a header for the section of the network map that is in use by the indicated channel.

The variables in this message are:

- **channelId** - the identity of the channel that uses the network map **mapId**
- **protocol** - the communication protocol used by the current channel

Valid values are:
- TCP - TCP/IP communication protocol
- SNA - SNA communication protocol

- **mapId** - the name of the member in the IOA PARM library that describes a map of network connections between IOAGATEs that enable one IOAGATE to communicate with another over a multiple connection (MC) channel

**Corrective Action:** No action is required.

**ECAG04E ATTACH FOR(mod) HAS FAILED**

**Explanation:** IOAGATE could not attach an internal IOAGATE task during initialization. The system completion code indicates the exact reason for the failure.

Possible causes are:

- The **mod** module is not in the IOA Load library.
- There is not enough storage available for the IOAGATE.

IOAGATE shuts down.
Corrective Action: Find the reason code in the system log, and try to fix the problem. If necessary, increase the region size. If the problem persists, call your system programmer for assistance.

ECAG05S task (taskId.type-channelId) UNRECOVERABLE ERROR ENCOUNTERED, REASON (rsn): explanation

An unrecoverable error occurred in the identified channel task.

The variables in this message are:
- task - the name of the channel task in which the error occurred
- taskId - the internal identity of the channel task in which the error occurred
- type - the internal type of the task in which the error occurred
- channelId - the identity of the channel to which the task belongs
- rsn - the reason code of the error
- explanation - short explanation for the error

IOAGATE shuts down.

Contact BMC Software Customer Support.

ECAG06S FAILURE(rsn) TO OBTAIN A NEW LINKAGE INDEX

Explanation: IOAGATE failed to obtain a new linkage index from MVS. The first time IOAGATE starts with a specific ECAPARM configuration file, it requests a new linkage index from the operating system during initialization to perform cross memory communication with its partner application server address spaces. However, the attempt to obtain a linkage index failed.

The reason code rsn is an internal identifier that the operating system assigned to this specific problem.

IOAGATE shuts down.

Corrective Action: Call your system programmer for assistance.

ECAG07I SHUT DOWN UPON REQUEST FROM CONSOLE(console_id)

Explanation: This information message confirms that an operator issued the STOP command, which requests shutdown of the IOAGATE. The IEF404I message follows this message to indicate that shutdown is complete.

In this message, console_id is the identity of the console from which the STOP request was issued.

The value of console_id depends on whether this request was issued from a physical or virtual console. If it was a virtual console, the value of console_id may coincide with the user ID of the operator who issued this request, depending on your local configuration.

Corrective Action: No action is required.
ECAG08I  ***** LIST OF CURRENT ALLOCATIONS *****

**Explanation:** This information message indicates that IOAGATE allocated data sets to be used by IOAGATE or an application server manager in this run. It is a header for the full list of allocated data sets. Each occurrence of message ECAG09I that follows this message specifies a different allocated data set.

**Corrective Action:** No action is required.

ECAG09I  ddName type dsn

**Explanation:** This information message identifies a data set allocated by IOAGATE for use by IOAGATE or an application server manager in this run. It is issued separately for each data set allocated.

The variables in this message are:
- **ddName** - the name of the DD statement that allocates the data set
- **type** - the type of allocation Valid values are:
  - JCL - a DD statement specified permanently in JCL
  - DYN - a DD statement allocated dynamically
- **dsn** - the name of the data set allocated by the DD statement

**Corrective Action:** No action is required.

ECAG0AI  MODIFY COMMAND ISSUED FROM CONSOLE (console_id) ACCEPTED, COMMAND(cmd)

**Explanation:** This information message indicates that a valid modify command was issued.

The variables in this message are:
- **console_id** - the identity of the console from which the modify command was issued. The value of console_id depends on whether this request was issued from a physical or virtual console. If it was a virtual console, the value of console_id may coincide with the user ID of the operator who issued this request, depending on your local configuration.
- **cmd** - the command that was issued

**Corrective Action:** No action is required.

ECAG0BW  MODIFY COMMAND ISSUED FROM CONSOLE (console_id) REJECTED, COMMAND(cmd)

**Explanation:** The modify command that has been issued is invalid. The ECAG0CI and ECAG25I messages that follow this ECAG0BW message provide a list of valid modify commands.

The variables in this message are:
- **console_id** - the identity of the console from which the modify command was issued. The value of console_id depends on whether this request was issued from a physical or virtual console. If it was a virtual console, the value of console_id may coincide with the user ID of the operator who issued this request, depending on your local configuration.

- **cmd** - the command that was issued

The modify command is rejected. Normal processing continues.

**Corrective Action:** Issue a valid modify command.

**ECAG0CI VALID MODIFY COMMANDS ARE:**

**Explanation:** This information message introduces a list of valid modify commands after an invalid modify command was issued. Each of the ECAG25I messages that follows contains a valid modify command.

**Corrective Action:** No action is required.

**ECAG0DI *** FOLLOWING ECAPARM(suffix) CONFIGURATION FILE IS USED *****

**Explanation:** This information message is the header for the specified ECAPARM configuration file that IOAGATE or an application server will use in this run. ECAG0EI messages follow this message. Each ECAG0EI message displays a line of the ECAPARM configuration file.

In this message, suffix is a 1-character ID that specifies a unique ECAPARM configuration file.

**Corrective Action:** No action is required.

**ECAG0EI lineNum lineText**

**Explanation:** Each occurrence of this message is a line of an ECAPARM configuration file that IOAGATE or an application server is currently using.

The variables in this message are:

- **lineNum** - the sequential number of the current line of the ECAPARM configuration file
- **lineText** - the contents of the current line of the ECAPARM configuration file

**Corrective Action:** No action is required.

**ECAG0FI ISSUE "F monitorId,?" TO GET VALID COMMANDS**

**Explanation:** The message indicates that the command F IOAGATE,modifyCommand was issued, but the modifyCommand modify command is invalid.

**Corrective Action:** Issue the command F IOAGATE,modifyCommand with a valid modify command.

To obtain a list of available modify commands, issue the command F IOAGATE,?
ECAG0GW THERE IS NO ACTIVE APPLICATION SERVER, monitorId TERMINATING

**Explanation:** IOAGATE tried to launch an application server address space, but no such address space started, and STAYUP is not set to YES in the ECAPARM configuration file.

IOAGATE shuts down.

**Corrective Action:** No action is required.

ECAG0HI ENABLED FOR THE AUTOMATIC RESTART MANAGEMENT FUNCTION

**Explanation:** A valid ARMELEM parameter was specified in the ECAPARM configuration file, and was registered as an element of automatic restart management (ARM) for IOAGATE.

**Corrective Action:** No action is required.

ECAG0II AUTOMATIC RESTART IN PROGRESS AFTER UNEXPECTED FAILURE

**Explanation:** The message indicates that IOAGATE failed unexpectedly, but ARM support is enabled, and the operating system is automatically restarting IOAGATE.

IOAGATE restarts and normal processing continues.

**Corrective Action:** No action is required.

ECAG0JW AUTOMATIC RESTART MANAGEMENT REQUEST FAILED R15( rc) REASON ( rsn) short_explan

**Explanation:** The message indicates that when starting up, IOAGATE failed to activate automatic restart management (ARM).

The meaning of the variables in this message is shown in the following table:

<table>
<thead>
<tr>
<th>rc</th>
<th>rsn</th>
<th>short_explan</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>002C</td>
<td>ELEMENT NAME INVALID</td>
<td>An invalid element name was specified.</td>
</tr>
<tr>
<td>08</td>
<td>0150</td>
<td>ELEMENT NAME IN USE</td>
<td>The element name is registered in a different address space.</td>
</tr>
<tr>
<td>12</td>
<td>0004</td>
<td>NO ARM SUPPORT</td>
<td>The release of MVS or JES in use does not support the ARM function.</td>
</tr>
<tr>
<td>12</td>
<td>0104</td>
<td>MAX ARM USERS</td>
<td>The number of ARM users registered is the maximum permissible.</td>
</tr>
<tr>
<td>12</td>
<td>0160</td>
<td>NO ACCESS TO ARM CDS</td>
<td>This system provides no access to an ARM CDS.</td>
</tr>
</tbody>
</table>

ARM is not enabled. Normal processing continues.
Corrective Action: Correct the problem identified by the diagnostic information in this message, then restart IOAGATE.

**ECAG0KW MODIFY**(cmd) REJECTED, rsn

Explanation: The message indicates that an F IOAGATE, modifyCommand command was issued, and that the command was rejected for the reason specified in the message.

The variables in this message are:

- **cmd** - the modify command issued by the operator. Valid values are:
  - CLOSE
  - OPEN
- **rsn** - the reason for the rejection of the modify command.
  Possible reasons are:
  - NO PARAMETER SPECIFIED
  - INVALID CHANNEL SPECIFIED
  - SPECIFIED CHANNEL WAS NOT CLOSED

The command is ignored. Normal processing continues.

Corrective Action: Correct the command and if necessary reissue it.

**ECAG10I IOAGATE HAS BEEN INITIALIZED SUCCESSFULLY**

Explanation: This information message indicates that IOAGATE completed the initialization process successfully.

Corrective Action: No action is required.

**ECAG11S FUNCTION(func) STD(taskId.type) ECAGNRL OBTAINED ZERO STD ADDRESS**

Explanation: IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

The variables in this message are:

- **func** - the internal numeric code of the function that IOAGATE tried to perform
- **taskId** - the internal identity of the IOAGATE task that tried to run the service routine
- **type** - the internal type of IOAGATE task that tried to run the service routine

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

**ECAG12S FUNCTION(func) STD(taskId.type) ECAGNRL OBTAINED ZERO STDID**

Explanation: IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.
The variables in this message are:

- `func` - the internal numeric code of the function that IOAGATE tried to perform
- `taskId` - the internal identity of the IOAGATE task that tried to run the service routine
- `type` - the internal type of IOAGATE task that tried to run the service routine

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

**ECAG13W CHANNEL(channelId.TCP) CONNECTION REJECTED, MAXIMUM NUMBER OF LINKS REACHED**

**Explanation:** The maximum number of users is already connected to IOAGATE over the multiple connection TCP channel.

In this message, `channelId` is the identity of the channel over which communication was attempted.

The attempt to connect to IOAGATE over the specified multiple connection TCP channel fails, and normal processing continues.

**Corrective Action:** Try again later.

**ECAG14I task (taskId.type.channelId) STARTED**

**Explanation:** This information message indicates the normal start of an IOAGATE internal channel task.

The variables in this message are:

- `task` - the IOAGATE task
- `taskId` - the internal identity of the task
- `type` - the internal type of the task
- `channelId` - the identity of the channel to which the task belongs

**Corrective Action:** No action is required.

**ECAG15I task (taskId.type.channelId) SHUT DOWN**

**Explanation:** This information message indicates normal termination of an IOAGATE internal channel task.

The variables in this message are:

- `task` - the IOAGATE task
- `taskId` - the internal identity of the task
- `type` - the internal type of the task
- `channelId` - the identity of the channel to which the task belongs

**Corrective Action:** No action is required.
ECAG16S FUNCTION(func) STD(taskId.type) ECAGNRL OBTAINED INVALID MCT ADDRESS IN STD

**Explanation:** IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

The variables in this message are:

- `func` - the internal numeric code of the function that IOAGATE tried to perform
- `taskId` - the internal identity of the IOAGATE task that tried to run the service routine
- `type` - the internal type of IOAGATE task that tried to run the service routine

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAG17S FUNCTION(func) ECAGNRL OBTAINED INVALID MCT

**Explanation:** IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

In this message, `func` is the internal numeric code of the function that IOAGATE tried to perform.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAG18S FUNCTION(func) STD(taskId.type) ECAGNRL OBTAINED ZERO FUNCTION ADDRESS

**Explanation:** IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

The variables in this message are:

- `func` - the internal numeric code of the function that IOAGATE tried to perform
- `taskId` - the internal identity of the IOAGATE task that tried to run the service routine
- `type` - the internal type of IOAGATE task that tried to run the service routine

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAG19S FUNCTION(func) STD(taskId.type) ECAGNRL OBTAINED ZERO FUNCTION CODE

**Explanation:** IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

The variables in this message are:
func - the internal numeric code of the function that IOAGATE tried to perform
taskId - the internal identity of the IOAGATE task that tried to run the service routine
type - the internal type of IOAGATE task that tried to run the service routine

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

**ECAG1AS FUNCTION(func) STD(taskId.type) ECAGNRL OBTAINED INVALID STDID**

Explanation: IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

The variables in this message are:

- **func** - the internal numeric code of the function that IOAGATE tried to perform
- **taskId** - the internal ID of the IOAGATE task that tried to run the service routine
- **type** - the internal type of IOAGATE task that tried to run the service routine

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

**ECAG1BS FUNCTION(func) ECAGNRL FAILED TO LOCATE MCT TOKEN**

Explanation: IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

In this message, **func** is the internal numeric code of the function that IOAGATE tried to perform.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

**ECAG1CS FUNCTION(func) ECAGNRL OBTAINED ZERO MCT IN TOKEN**

Explanation: IOAGATE detected a severe internal error. An IOAGATE task tried to run the ECAGNRL internal service routine.

In this message, **func** is the internal numeric code of the function that IOAGATE tried to perform.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

**ECAG1DS CHANNEL (channelId. TCP) FAILED, NO COMM. TASK IS AVAILABLE**

Explanation: A severe error has arisen in the IOAGATE TCP multiple connection channel **channelId**, and no active communication task is under the control of that channel.

The specified multiple connection channel (**channelId**) goes down. If it is the only channel configured in IOAGATE, IOAGATE shuts down.
**Corrective Action:** Contact BMC Software Customer Support.

**ECAG20I IOAGATE SHUTTING DOWN**

*Explanation:* This information message indicates that IOAGATE is shutting down, either as a result of a STOP command, or internal IOAGATE events.

IOAGATE shuts down.

*Corrective Action:* If the shutdown is not the result of an operator request, check the IOAGATE JES log, the DAIGLOG log and the DATRACE log for more information about the cause of the shutdown. If necessary, call your system programmer for assistance.

**ECAG21S IOAGATE HAS FAILED (rsn) TO INITIALIZE**

*Explanation:* IOAGATE failed to complete initialization. The reason code (rsn) is an internal ID that IOAGATE assigned to this specific problem.

IOAGATE shuts down.

*Corrective Action:* Check the IOAGATE JES log, the DAIGLOG log and the DATRACE log for more information about the cause of the failure. Try to restart the IOAGATE. If necessary, call your system programmer for assistance.

**ECAG24W task (taskId.type.channelId) DETACHED BY FORCE**

*Explanation:* IOAGATE forced a DETACH of an IOAGATE internal channel task. When this message is issued during IOAGATE termination, it indicates that an internal problem probably prevented the task from shutting down smoothly.

The message ECAG15I is issued after a smooth shutdown.

The variables in this message are:

- *task* - the IOAGATE task
- *taskId* - the internal identity of the task
- *type* - the internal type of the task
- *channelId* - the identity of the channel to which the task belongs

Termination continues.

*Corrective Action:* No action is required.

**ECAG25I modify_command**

*Explanation:* This information message usually follows messages ECAG0BW and ECAG0CI, which indicate that an invalid modify command was issued. This message might appear more than once. Each occurrence displays a valid modify command.

*Corrective Action:* No action is required.
ECAG29E ECAGNRL FAILED. STD(taskId.type) FUNCTION(func) RC(rsn)

Explanation: IOAGATE detected an internal error. The IOAGATE task tried to run the ECAGNRL internal service routine.

The variables in this message are:
- **taskId** - the internal identity of the IOAGATE task that tried to run the service routine
- **type** - the internal type of IOAGATE task that tried to run the service routine
- **func** - the internal numeric code of the function that IOAGATE tried to perform
- **rsn** - an internal identity that IOAGATE assigned to this specific problem

IOAGATE may shut down or continue, depending on the severity of the failure.

Corrective Action: If IOAGATE shuts down, contact BMC Software Customer Support.

ECAG2AE FILE OF KEYS IS UNAVAILABLE, ENCRYPTION DISABLED

Explanation: IOAGATE failed to allocate the file of encryption keys that is needed to initialize the encryption environment that is requested because ENCRYPT is set to YES in the ECAPARM configuration file.

The encryption environment is not established. Processing continues without encryption.

Corrective Action: Prepare a valid file of encryption keys of the type required for encryption to operate, both on IOAGATE and the workstation. For more information, see the description of the ENCRYPT parameter in the IOA chapter of the INCONTROL for z/OS Installation Guide.

ECAG2BE ENCRYPTION ROUTINE routineName IS UNAVAILABLE, ENCRYPTION DISABLED

Explanation: IOAGATE failed to load the encryption and decryption routine routineName when trying to initialize the encryption environment requested because ENCRYPT was set to YES in the ECAPARM configuration file.

The encryption environment is not established. Processing continues without encryption.

Corrective Action: Contact BMC Software Customer Support.

ECAG30E ECAPUT FAILED(rsn:text) CALLID (module.call_typ.call_id.queue_typ) TASK(taskId.type.channelId)

Explanation: IOAGATE detected an internal error. The IOAGATE task tried to run the ECAPUT internal service routine.

The variables in this message are:
IOAGATE continues processing or shuts down, depending on the failure severity.

Corrective Action: If IOAGATE shuts down, contact BMC Software Customer Support.

**ECAG31W IOAGATE(monitorId) WITH ECAPARM(suffix) ALREADY ACTIVE IN SYSTEM(systemId) LINDEX(linkageIndex)**

Explanation: Start of IOAGATE was attempted while IOAGATE was already active in the system. Two IOAGATEs with the same ECAPARM configuration file cannot run concurrently.

The variables in this message are:

- **monitorId** - the started task (STC) name of the IOAGATE
- **suffix** - a 1-character identity that specifies a unique ECAPARM configuration file used in this IOAGATE run
- **systemId** - the unique identity of the MVS system on which the IOAGATE is running
- **linkageIndex** - the MVS linkage index that enables cross-memory communication between IOAGATE and its partner application server address spaces

The newly started IOAGATE shuts down.

Corrective Action: If you must run a second IOAGATE in the same system concurrently, create and use an ECAPARM configuration file with a unique suffix.
ECAG32I IOAGATE(*monitorId*) WITH ECAPARM(*suffix*) RUNNING IN SYSTEM(*systemId*)

**Explanation:** This information message displays some main system attributes of the active IOAGATE. The ECAG33I message follows this message with more main system attributes.

The variables in this message are:
- *monitorId* - the started task (STC) name of the IOAGATE
- *suffix* - a unique 1-character suffix that specifies the ECAPARM configuration file used in this IOAGATE run
- *systemId* - the unique identity of the MVS system on which the IOAGATE is running

**Corrective Action:** No action is required.

ECAG33I LINDEX(*linkageIndex*) OBTAINED(*date*) QNAME(*qName*) RNAME(*rName*)

**Explanation:** This message displays some main system attributes of the active IOAGATE. During initialization, IOAGATE retrieves an MVS linkage index to perform cross memory communication with its partner application server address spaces. The linkage index obtained from MVS is kept by IOAGATE in an MVS name/token pair.

The ECAG32I message precedes this message and displays different system attributes.

The variables in this message are:
- *linkageIndex* - the MVS linkage index
- *date* - the date the MVS linkage index was obtained
- *qName* - the major name of the IOAGATE system resource
- *rName* - the minor name of the IOAGATE system resource

**Corrective Action:** No action is required.

ECAG34I SERVER TASK STATUS JOB/CHANNEL/SIID STEP/JOBID/MODULE UTILIZATION

**Explanation:** This information message indicates that an F IOAGATE,STATUS command was issued. It is a header for subsequent ECAG35I messages.

The STATUS command can be issued manually by the operator, or automatically by IOAGATE, as a result of internal problems.

**Corrective Action:** No action is required.

ECAG35I type taskId.addrSpaceId status channelId/siId step/jobId/mod utilization

**Explanation:** This information message specifies a server task of an application server address space that was issued.
The variables in this message are:

- **type** - the server task type. Valid values are:
  - CM - the manager of the address space of an application server
  - CS - application server
  - CD - detector server
  - CU - updater server

- **taskId** - the internal identity of the server task assigned by IOAGATE during initialization. The first character is a code that indicates the application. If this server task is busy handling a request for an alias application, this code indicates the alias. The next three digits form a unique sequential number of the task.

- **addrSpaceId** - the internal identity of the application server address space to which the specified task belongs.

- **status** - This variable has a primary status field (START, READY, UP, DOWN, BUSY, WAIT, SUSPEND, FAILED, PENDING or X'hexvalue'), and may include a secondary status field and additional information next to it. Each status field is described in the following table, in the order listed, with its secondary status fields and additional information that may overflow into fields that follow.

<table>
<thead>
<tr>
<th>Primary Status</th>
<th>Description, Secondary Status, and Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>START</td>
<td>The server task is starting. It may also show</td>
</tr>
<tr>
<td></td>
<td>- Time in seconds to handle a request, or be in a primary status.</td>
</tr>
<tr>
<td></td>
<td>- Startup timed out - The server did not startup within the required time.</td>
</tr>
<tr>
<td>READY</td>
<td>The server task started and is ready to handle requests. It may also show recovered to indicate that the server recovered successfully.</td>
</tr>
<tr>
<td>UP</td>
<td>Server task started, for a task that does not use cross-memory communication with the IOAGATE address space.</td>
</tr>
<tr>
<td>Primary Status</td>
<td>Description, Secondary Status, and Information</td>
</tr>
<tr>
<td>---------------</td>
<td>------------------------------------------------</td>
</tr>
</tbody>
</table>
| DOWN          | The server task is down. It may also show one of the following to indicate an automatic recovery status or the reason for the DOWN status:  
  ▪ awaits recovery - Recovery was suspended for this server task because of internal temporary problems.  
  ▪ recovery disabled - Recovery was disabled for this server task because the MAXRECOV parameter of the ECAPARM configuration file is set to zero.  
  ▪ recovery timed out - The server failed to recover before maximum time elapsed.  
  ▪ recovery failed of threshold - Recovery was blocked for this server task because the MAXRECOV parameter of the ECAPARM configuration file is at its maximum value.  
  ▪ stopped - The DOWN status is the result of automatic recovery stopping.  
  ▪ failed - The DOWN status is the result of the failure of automatic recovery.  
  ▪ unknown - There is no known reason for the DOWN status.  
  ▪ timer on - The timer for the DOWN status is running. |
| BUSY          | The server task is busy handling a request. May also show the time in seconds to handle a request. |
| WAIT          | The non-CM server task is down and cannot be recovered until its CM server is ready. This may also show:  
  ▪ Time in seconds to handle a request or being in a WAIT state.  
  ▪ CM to be ready - Non CM server is waiting for its CM server to be ready. |
| SUSPEND       | The server task failed and cannot be recovered for the time being due to temporary internal problems. May also show the time in seconds to handle a request or be in a SUSPEND state. |
| FAILED        | The server task failed. May also show:  
  ▪ timer on  
  ▪ timer is running. |
| PENDING       | IOAGATE is waiting for this server task to send an internal acknowledgment to IOAGATE address space. May also show:  
  ▪ ACK pending - A server is in PENDING status.  
  ▪ Time in seconds to handle a request or be in a PENDING state. |
### Primary Status

<table>
<thead>
<tr>
<th>Description, Secondary Status, and Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>X' hex_value'</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

- **channelId**/**siId** - This field shows more status field information, or specifies the channel and service request in two parts, *channelId* and *siId*, where

  - **channelId** is the ID of the channel linked to the indicated server task in the ECAPARM configuration file. The first two characters specify the channel ID assigned in the ECAPARM configuration file. The rest of **channelId** is **MULTI** or **DUAL**, where **MULTI** is for a multiple connection (MC) model of a communication channel, and **DUAL** is for a dual connection (DC) model of a communication channel.

  - **siId** is a Service Instance ID (SIID) that specifies the service request being handled by a server task. The value is displayed only when the status of a server task is **BUSY**.

- **step** - the step name of a startup JCL procedure used to run the application server address space. This is displayed for a CM server task only.

- **jobId** - the STC JOBID of the application server assigned to its address space by JES. This is displayed for a CM server task only.

- **mod** - the name of the program that implements the server task. This is displayed for a CM server task only.

- **utilization** - the percent of time the server task was busy handling the request during the last 40 seconds.

**Corrective Action:** No action is required.

---

**ECAG36W APPL.SERVER(** *addrSpaceId* **) CANNOT BE STOPPED**

**Explanation:** An attempt to issue an F IOAGATE,STOPASID= *addrSpaceId* command failed. Either the specified address space ID is not ready or the server address space is already down.

In this message, *addrSpaceId* is the internal ID of the application server address space.

The modify command is rejected. Normal processing continues.

**Corrective Action:** Use the F IOAGATE,STATUS command to check the status of the server address space.

---

**ECAG37I STOP FOR APPL.SERVER (** *applServer*. *addrSpaceId*) INITIATED**

**Explanation:** This information message indicates that an F IOAGATE,STOPASID= *addrSpaceId* command was performed successfully. A STOPASID command shuts down a specific application server address space.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- `applServer` - the full name of the application server
- `addrSpaceId` - the internal identity of the application server address space

**Corrective Action:** No action is required.

**ECAG38I** IOAGATE(`monitorId`) WITH ECAPARM(`suffix`) EXCLUSIVELY OWNS HEARTBEAT RESOURCE Q(`qName`) R(`rName`)

**Explanation:** This information message displays the name of the heartbeat resource of the running IOAGATE for a specific application server. When the application server is launched, IOAGATE issues a heartbeat ENQ request to acquire the specified resource exclusively as a heartbeat mechanism between the application server and IOAGATE. If the resource is available in the application server address space, it means that the IOAGATE stopped.

IOAGATE acquires a heartbeat resource for each application server it launches.

The variables in this message are:

- `monitorId` - the STC name of the IOAGATE
- `suffix` - a unique 1-character suffix identifying the ECAPARM configuration file that is used in this IOAGATE run
- `qName` - the major name of the heartbeat resource
- `rName` - the minor name of the heartbeat resource

An application server ID acts as the minor name.

**Corrective Action:** No action is required.

**ECAG39W** SERVER TASK(`taskId`) CURRENTLY CANNOT BE STOPPED

**Explanation:** An attempt to issue an `F IOAGATE,STOPTID=`taskId command to stop the specified server task failed. The specified server task is either not ready, or is already down.

In this message, `taskId` is the internal ID of a server task.

The modify command is rejected. Normal processing continues.

**Corrective Action:** Use the `F IOAGATE,STATUS` command to check the status of the server task, and reissue the command later.

**ECAG3AS** FAILURE(`rsn`) TO CREATE A NEW NAME/TOKEN PAIR ON SYSTEM LEVEL

**Explanation:** IOAGATE failed to create a new MVS name or token pair in which to keep a linkage index. During initialization, IOAGATE obtains a linkage index to perform cross memory communication with its partner application server address spaces. IOAGATE keeps the linkage index in an MVS name or token pair.

Possible values of `rsn` are:
INCONTROL for z/OS Messages Manual

- 04 - duplicated name used
- 16 - user not authorized
- 28 - parameter LEVEL invalid
- 32 - parameter NAME invalid
- 36 - parameter PERSIST invalid
- 64 - unexpected error

IOAGATE shuts down.

**Corrective Action:** Call your system programmer for assistance.

**ECAG3BW SERVER TASK( taskId) DOES NOT EXIST**

**Explanation:** An attempt to issue an `F IOAGATE,STOPTID=taskId` command to stop the specified server task failed, because the specified server task ID was incorrect. The variable `taskId` must be a correct internal ID of a server task.

The modify command is rejected. Normal processing continues.

**Corrective Action:** Use the `F IOAGATE,STATUS` command to identify the correct `taskId`, and reissue the command.

**ECAG3CI PUTTER( taskId.type) submitting controlMsg for Server( serverId)**

**Explanation:** This information message indicates that a PUTTER task of IOAGATE submitted the internal control message `controlMsg` for the application server `serverId`.

**Corrective Action:** No action is required.

**ECAG3DI GETTER( taskId.type) controlMsg confirmed for Server( serverId)**

**Explanation:** An IOAGATE GETTER task of IOAGATE received a confirmation for the internal control message `controlMsg` sent earlier by an IOAGATE PUTTER task. The confirmation control message `controlMsg` was sent by the application server `serverId`.

**Corrective Action:** No action is required.

**ECAG3EW PUTTER( taskId.type) Obsolete SIB thrown away, SIID=siId APPL=appl SID=serviceId Time difference=timeDiff**

**Explanation:** An IOAGATE PUTTER task discovered an irrelevant SIB internal control block with the attributes identified in this message. The problematic control block was created before the specified PUTTER task was started.

The variables in this message are:
InControl for z/OS Messages Manual

- **taskId** - the internal ID of this PUTTER task
- **type** - the type of this PUTTER task
- **siId** - the Service Instance ID
- **appl** - the application code
- **serviceId** - the identity of the Service
- **timeDiff** - The time difference between the time when the problematic SIB block was created and the time when the PUTTER task started.

The SIB control block is destroyed. Normal processing continues.

**Corrective Action:** No action is required.

**ECAG3FW FAILURE TO UNLOCK CHAIN OF SIBs:ALREADY UNLOCKED**

**UNLOCKER (taskId.type.callId):module**

**Explanation:** This warning message is issued if the chain of SIB control blocks is already unlocked when attempting to unlock it.

**Corrective Action:** No action is required.

**ECAG3GS FAILURE TO UNLOCK CHAIN OF SIBs:LOCKED BY (taskId)**

**UNLOCKER (taskId.type.callId):module**

**Explanation:** This severe error message is issued if the chain of SIB control blocks has been locked by some other task, indicated by LOCKED BY (taskId) when attempting to unlock it. In this case, the unrecoverable error indicator is set to ON, SVCDUMP is initiated, and IOAGATE goes down.

**Corrective Action:** No action is required.

**ECAG3HI IOAGATE Token: Name=tokenName LX=index Obtained=date System=systemName**

**Explanation:** This information message indicates that the F IOAGATE,SHOWTOKEN modify command was issued in the IOAGATE address space to display the MVS token of the current IOAGATE.

The variables in this message are:

- **tokenName** - the name of the MVS token of the current IOAGATE
- **index** - the Linkage Index used by this IOAGATE to establish cross-memory communication
- **date** - the date when the Linkage Index of IOAGATE was obtained from MVS
- **systemName** - the name of the MVS system on which the current IOAGATE is running

**Corrective Action:** No action is required.
ECAG3IW LAST READY CS SUBTASK IN (xxxx.yyyy) ASSIGNED. OCCURED (nnn) TIMES.

Explanation: The message is issued when IOAGATE assigns a transaction to the last ready CS server subtask in an application server address space that serves Control-D/Page ON Demand requests. This message will not be issued more than once per minute in order not to flood the console with such messages.

The variables in this message are:
- xxxx is the procedure name of the application server.
- yyyy is the qualifier (after the dot) of the specific application server address space. The qualifier allows distinguishing between the address spaces when multiple application server address spaces are started.
- nnn is the number of times the last ready CS has been assigned since the last time message ECAG3IW has been issued, including the current occurrence for which this ECAG3IW is issued.

For example, if the following messages appear:

10:05:00 ECAG3IW ...OCCURED (001) TIMES.
10:06:00 ECAG3IW ...OCCURED (005) TIMES.

This means that at 10:05:00 the last ready CS has been assigned and that in the following minute the last ready CS has been assigned 5 times.

When the last ready CS is assigned, it means that any new request must wait until a busy CS in the same address space finishes handling its request and becomes ready.

Corrective Action: In general, BMC Software recommends that you define enough CS subtasks and application server address spaces so that this situation rarely, if ever, occurs.

ECAG40W APPL.SERVER (applServer.addrSpaceId) CANNOT BE STARTED, CHANNEL(channelId) DISABLED

Explanation: The specified application server cannot be started. During initialization, IOAGATE detected errors in the indicated CHANNEL definition and disabled it. As a result, the application server that referenced this channel became unusable.

Variables in this message are:
- applServer - the full name of the application server
- addrSpaceId - the internal identity of an application server address space
- channelId - the channel identity referenced by the application server

Corrective Action: Check the IOAGATE DAIGLOG log and the DATRACE log for more information. Try to correct the CHANNEL definition, and restart IOAGATE.

ECAG41E SERVER TASK (applServer.type.taskId.addrSpaceId) FAILED WHEN HANDLING A REQUEST, USER(userId) SIID(serviceInstanceId)

Explanation: IOAGATE detected a server task failure. The server task was handling the specified user request when IOAGATE detected the failure.
Attributes of the failed server are:

- **applServer** - the name of the application server
- **type** - the server task type. Valid values are:
  - CM - the manager of the address space of an application server
  - CS - application server
  - CD - detector server
  - CU - updater server
- **taskId** - the internal identity of this server task
- **addrSpaceId** - the internal identity of the application server address space to which the specified server task belongs
- **userId** - the identity of the user whose request was in process
- **serviceInstanceId** - the service instance ID (SIID) that determines the service request being handled by the server task

**IOAGATE** does the following:

- clears resources allocated by cross memory communication with the failed server task
- initiates automatic recovery for the failed server task, if the option was not blocked by MAXRECOV parameter in the ECAPARM configuration file
- continues communication with other server tasks.

**Corrective Action:** Check the error messages of the application server address space to determine why the server task terminated. Fix the problem and try again.

**ECAG43W AN ATTEMPT TO CREATE A MESSAGE FOR appl REMOTE APPLICATION FAILED rsn**

**Explanation:** IOAGATE failed to create a notification message for a remote IOAGATE that supports the application *appl*. The reason for the failure is identified by the variable *rsn*.

This message is issued only when the IOAGATE is configured for IOAGATE-to-IOAGATE communication. Possible values for *rsn* are:

- No PDTs are available
- The proper PDT is not available
- The PLT table is not available
- No PLTs are available
- The proper PLT is not available

**Corrective Action:** Contact BMC Software Customer Support.
ECAG46W APPL.SERVER (applServer.type.taskId.addrSpaceId.channelId) ALREADY ACTIVE

Explanation: An F IOAGATE,STARTASID=addrSpaceId command failed. Either the specified ID is invalid, or this server address space is already up.

The variables in this message are:
- `applServer` - the name of the application server
- `type` - the CM server task type
- `taskId` - the internal identity of this server task
- `addrSpaceId` - the internal identity of this application server address space
- `channelId` - the identity of the channel to which the specified application server is linked

The modify command is rejected.

Corrective Action: Correct the application server address space ID, and reissue the command.

ECAG47I START FOR APPLICATION SERVER(applServer.addrSpaceId) INITIATED

Explanation: This information message indicates that an F IOAGATE,STARTASID=addrSpaceId command was performed successfully. The STARTASID command starts a specific application server address space.

The variables in this message are:
- `applServer` - the name of the application server
- `addrSpaceId` - the internal identity of the application server address space

Corrective Action: No action is required.

ECAG49I CHANNEL(channelId.SNA) USER(userId) LOGGED ON, CONVID(conversation_id) APPLID(applId)

Explanation: This information message indicates that the specified user successfully logged on to IOAGATE over a multiple connection (MC) SNA channel.

The variables in this message are:
- `channelId` - the identity of the channel over which the specified user logged on to IOAGATE
- `userId` - the identity of the user whose logon request was performed
- `conversation_id` - VTAM LU 6.2 (APPC) conversation identity
- `applId` - VTAM LU 6.2 (APPC) application identity of the partner

Corrective Action: No action is required.
ECAG4AI STOP FOR SERVER TASK (applServer.type.taskId.addrSpaceId) INITIATED

**Explanation:** This information message indicates that an `F IOAGATE,STOPASID=addrSpaceId` command was issued and performed successfully. The STOPASID command shuts down a specific application server address space.

The variables in this message are:
- `applServer` - the name of the application server shut down
- `type` - the CS server task type
- `taskId` - the internal identity of this server task
- `addrSpaceId` - the internal identity of the application server address space

**Corrective Action:** No action is required.

ECAG4BE SERVER TASK (applServer.type.taskId.addrSpaceId) FAILED WHEN BEING STARTED

**Explanation:** IOAGATE detected a server task failure before the task completed its startup.

The variables in this message are:
- `applServer` - the full name of the application server
- `type` - the server task type Valid values are:
  - CD - detector server
  - CS - application server
  - CU - updater server
- `taskId` - the internal identity of this server task
- `addrSpaceId` - the internal identity of the application server address space to which the failed server task is assigned

Automatic recovery is initiated for the failed server task if the option was not blocked by the MAXRECOV parameter in the ECAPARM configuration file, and processing continues.

**Corrective Action:** Check the error messages of the application server address space to determine why the server task failed, try to fix the problem, and try again.

ECAG4CE APPL.SERVER (applServer.type.task-id.addrSpaceId.channelId) FAILED WHEN BEING STARTED

**Explanation:** IOAGATE detected an application server failure before the server completed its startup.

The variables in this message are:
Automatic recovery is initiated for the failed application server if the option was not blocked by the MAXRECOV parameter in the ECAPARM configuration file. Processing continues.

**Corrective Action:** Check the error messages of the application server address space to determine why the application server failed, try to fix the problem, and restart IOAGATE.

**ECAG4DE SERVER TASK (applServerName.type.taskId.addrSpaceId) FAILED**

**Explanation:** IOAGATE detected a server task failure.

The variables in this message are:

- `applServer` - the name of the application server
- `type` - the server task type
- `taskId` - the internal identity of this server task
- `addrSpaceId` - the internal identity of the application server address space

IOAGATE does the following:

- clears resources allocated for cross memory communication with the failed server task
- initiates automatic recovery for the failed server task, if the option was not blocked by MAXRECOV parameter in the ECAPARM configuration file
- continues communication with other server tasks.

**Corrective Action:** Check the error messages of the application server address space to determine why the server task failed, try to fix the problem, and restart IOAGATE.

**ECAG4GI SERVER TASK (applServerName.type.taskId.addrSpaceId) HAS BEEN STOPPED BY OPERATOR**

**Explanation:** This information message indicates that the operator issued the command `FIOAGATE,STOPTID=taskId`, and that command was successfully performed. The STOPTID command shuts down a specific server task.

The variables in this message are:
**InControl for z/OS Messages Manual**

- **applServerName** - the name of the application supported by the server that was stopped
- **type** - the internal type of the server task that was stopped
- **taskId** - the internal identity of this server task
- **addrSpaceId** - the internal identity of the application server address space to which this server task is assigned

**Corrective Action:** No action is required.

**ECAG4HW APPL.SERVER( addrSpaceId ) DOES NOT EXIST**

**Explanation:** An `F IOAGATE,STARTASID=addrSpaceId` command was issued by the operator, and failed. The STARTASID command starts a specific application server address space that either was shut down or failed. The specified address space ID (`addrSpaceId`) is not a valid address space ID.

In this message, `addrSpaceId` is the invalid address space ID that was specified.

**Corrective Action:** Correct the address space ID and reissue the command.

**ECAG4IW APPL.SERVER( applServerName.type.taskId.addrSpaceId.channelId/jobId ) WENT DOWN BECAUSE OPERATOR STOPPED SERVER TASK( taskId )**

**Explanation:** The specified application server address space went down because an operator stopped the single or last active CS server task running under the control of the identified application server.

The variables in this message are:
- **applServer** - name of the application supported by the server that has gone down
- **type** - the internal type of the server task that has gone down
- **taskId** - the internal identity of the server task that has gone down
- **addrSpaceId** - the internal identity of the application server address space to which the server task that has gone down is assigned
- **channelId** - the identity of the channel to which the identified application server is linked
- **jobId** - STC JOBID of the application server assigned to its address space by JES

**Corrective Action:** No action is required.

**ECAG4JI TERMINATION FOR SERVER TASK( applServer.type.taskId.addrSpaceId ) INITIATED**

**Explanation:** An `F IOAGATE, CTID=taskId CANCEL TASK modify command has been issued by the user.

The variables in this message are:


- **applServer** - the name of the application supported by the server to which the modify command was issued
- **type** - the internal type of the server task which is to be terminated
- **taskId** - the internal identity of the server task which is to be terminated
- **addrSpaceId** - the internal identity of the application server address space to which the task **taskId** is assigned

IOAGATE issues an internal control message that causes the application server address space **addrSpaceId** to terminate the server task **taskId**. Normal processing continues.

**Corrective Action:** No action is required.

**ECAG4KW SERVER TASK( applServer.type.taskId.addrSpaceId) HAS BEEN TERMINATED BY IOAGATE, USER( userld) SIID( serviceInstanceId)**

**Explanation:** The specified server task has been terminated by IOAGATE.

The variables in this message are:
- **applServer** - the name of the application supported by the server on which the task was terminated
- **type** - the internal type of the server task that was terminated
- **taskId** - the internal identity of the server task that was terminated
- **addrSpaceId** - the internal identity of the application server address space to which the terminated server task **taskId** is assigned

**Corrective Action:** Analyze the IOAGATE outputs to identify the reason of the termination. If the problem persists, contact BMC Software Customer Support.

**ECAG4LE APPL.SERVER (applServerName.addrSpaceId.proc.stcId-channelId/jobId) FAILED**

**Explanation:** The specified application server address space failed.

The variables in this message are:
- **applServer** - name of the application supported by the server that has gone down
- **addrSpaceId** - the internal identity of the application server address space to which the server task that has gone down is assigned
- **proc** - the name of the procedure of the application server address space
- **stcId** - the name of the JCL procedure used to start the application server address space
- **channelId** - the identity of the channel to which the identified application server is linked
- **jobId** - STC JOBID of the application server assigned to its address space by JES

Normal processing continues, and, if recovery is not blocked for this application server, the IOAGATE tries to recover the server.
Corrective Action: No action is required.

ECAG50I CHANNEL(channelId.SNA) DEALLOCATE RECEIVED FROM PARTNER, APPL ID(applId) CONV ID(conversation_id)

Explanation: This information message indicates that a DEALLOCATE APPC command was received from a client or partner IOAGATE for the specified conversation ID.

The variables in this message are:
- channelId: the identity of the channel over which the conversation that was deallocated was established
- applId: VTAM LU 6.2 (APPC) application ID of the IOAGATE
- conversation_id: VTAM LU 6.2 (APPC) internal conversation identity

Corrective Action: No action is required.

ECAG55W CHANNEL(channelId.protocol) TASK(taskId.type) IS STARTING UP ALTHOUGH NO APPL.SERVER HAS COME UP YET

Explanation: A communication channel has waited for at least one application server linked to the channelId channel to become ready, but none has come up.

The variables in this message are:
- channelId: the identity of the channel to which the problematic application server is linked
- protocol: the communication protocol used by the current channel. Valid values are:
  - TCP - TCP/IP
  - SNA - SNA
- taskId: the internal identity of this channel task
- type: the internal type of this channel

IOAGATE discontinues waiting until at least one application server linked to the channelId channel is ready. The channelId channel continues initializing.

Corrective Action: This warning message may, but does not necessarily, indicate a real problem on the application server. Examine the JES logs of all application servers linked to the channelId channel and try to find the cause for the failure of the application server to start in time.

ECAG56I REJECTED:SID=serviceId SIID=serviceInstanceId SEQ=seqNumber APPLIC=appl ASID=addressSpaceId LAST=turn_around C/E=compression/encryption TYPE=t1/t2/t3 USER=userId

Explanation: This message follows the messages ECAC60E, ECAC61E, ECAC62E, ECAC64E, ECAC65E, ECAC66E, ECAC67E, ECAC68E, ECAC69E, ECAC6EE, ECAC6FE, ECAC6GE, ECAC6HE, ECAC6IE, ECAC6ME, ECAG58E, and provides details of the rejected transaction.

The variables in the message are:
- **serviceId** - the type of the transaction that was rejected
- **serviceInstanceId** - the service instance identity (SIID) of the transaction rejected by IOAGATE
- **seqNumber** - the sequential number of the rejected message in a given direction within the same transaction. These numbers start from 000001.
- **appl** - the short code of the application to which the rejected transaction was assigned
- **addressSpaceId** - the internal address space identity of the application server to which the rejected transaction was assigned
- **turn_around** - internal indication of the nature of the transaction. Valid values are:
  - T - Turn Around - This was the last message in this direction and a response was required
  - L - Last - The current message was the last in the service, meaning, the end of transaction.
  - ' ' (Blank) - the current message was not the last in the service, and more messages are expected
- **compression** - whether compression is in use. Valid values are:
  - A (Accept) - Used only by D applications, to indicate that the D client will accept compressed data from IOAGATE.
  - D (Compressed) - Used only by D applications, to indicate that this message contains compressed data.
  - Y - Compression is in use.
  - I (Ignore) - The compression indication field is used differently.
  - ' ' (Blank) - No compression is in use.
- **encryption** - whether encryption is in use. Valid values are:
  - Y (Yes) - DES or 3DES encryption is in use.
  - ' ' (Blank) - No encryption is in use.
- **t1** - whether the message is regular or extended. Valid values are:
  - R (Regular) - The message is regular.
  - E (Extended) - The message is extended.
- **t2** - indicates the message type. Valid values are:
  - B - Big message
  - C - Confirmation
  - D - Data
  - E - Error
  - F - End of download or upload
  - R - Request
  - S - Start of download or upload
  - ( - Start of file transfer
  - ) - End of file transfer
- *t3* - indicates the record type. Valid values are:
  - ! - Do not Process the message indication
  - A - Handshake CONNECT message
  - C - Handshake CONFIRM message
  - R - Handshake REJECT message
  - I - Handshake Information message
  - A - Active job file record
  - A - Attach request
  - B - Short database update
  - C - Condition
  - C - Communication update message
  - D - Cancel request
  - F - Modify server request
  - F - Force job
  - G - Synchronization record
  - H - Control resource
  - I - Initialization
  - J - Edit JCL
  - L - Log
  - M - Internal IOAGATE message
  - N - New job
  - O - Order job
  - Q - Quantitative resource
  - R - Control resource
  - S - Statistics record
  - T - Alert
  - V - View sysout file
  - Z - WS Synchronization record

- *userId* - the identity of the user associated with this transaction

**Corrective Action:** No action is required.
ECAG57W CHANNEL(channelId.protocol) TASK(taskId.type) IS STARTING UP ALTHOUGH APPL_SERVER(applServerId - addrSpaceId) HAS NOT COME UP YET

Explanation: The channelId communication channel has waited for the applServer application server that is linked to become ready, but applServer has not come up.

The variables in this message are:
- channelId - the identity of the channel to which the problematic application server is linked
- protocol - the communication protocol used by the current channel. Valid values are:
  - TCP - TCP/IP
  - SNA - SNA
- taskId - the internal identity of this channel task
- type - the internal type of the channelId channel
- applServerId - the internal identity of the application server linked to the channelId channel
- addrSpaceId - the internal identity of the application server address space linked to the channelId channel

IOAGATE discontinues waiting until at the application server linked to the channelId channel is ready. The channelId channel continues initializing.

Corrective Action: This warning message may, but does not necessarily, indicate a real problem on the application server. Examine the JES log of the applicId application server and try to find out why the application server failed to start in time.

ECAG58E CHANNEL(channelId.protocol) TASK(taskId.type) TIMEOUT OCCURRED WHILE WAITING FOR A MESSAGE FROM PARTNER

Explanation: This information message indicates that a request was canceled because an expected message did not arrive within a defined time-out interval.

The variables in this message are:
- channelId - the identity of the channel in which the specified time-out occurred
- protocol - the communication protocol used by the current channel. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- taskId - the internal ID of this channel task
- type - the internal type of this channel

If the expected message is not critical, IOAGATE continues executing. If the expected message is critical, the corresponding SNA channel goes down.

Corrective Action: If the problem persists, call BMC Software Customer Support for assistance.
ECAG59W CHANNEL(\textit{channelId.protocol}) TASK(\textit{taskId.type}) "DO NOT PROCESS" INDICATION RECEIVED, MESSAGE DISCARDED

\textbf{Explanation:} This information message indicates that the specified channel received a request with a "Do not process (!)" indication.

The variables in this message are:

- \textit{channelId} - the identity of the channel in which the specified event occurred
- \textit{protocol} - the communication protocol used by the current channel. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- \textit{taskId} - the internal ID of this channel task
- \textit{type} - the internal type of this channel

\textbf{Corrective Action:} No action is required.

ECAG5AI DISCARDED: \textit{msg}

\textbf{Explanation:} This message follows ECAG59W or ECAG5BW and displays the discarded transaction.

\textbf{Corrective Action:} No action is required.

ECAG5BW CHANNEL(\textit{channelId.protocol}) TASK(\textit{taskId.type}) HANDSHAKE MESSAGE REJECTED: THERE IS NO MAP SPECIFIED

\textbf{Explanation:} This message warns that the specified channel received a handshake used by IOAGATE-to-IOAGATE communication, but the local IOAGATE is not configured to be a partner IOAGATE.

The variables in this message are:

- \textit{channelId} - the identity of the channel that detected the event
- \textit{protocol} - the communication protocol used by the channel. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- \textit{taskId} - the internal identity of the channel task that detected the event
- \textit{type} - the internal type of the channel task that detected the event

\textbf{Corrective Action:} No action is required.

ECAG5CI CHANNEL(\textit{channelId.protocol}) processed FOR INCOMING CONNECTIONS, APPLICATION(\textit{applId})

\textbf{Explanation:} This information message indicates that an F IOAGATE,\textless cmd\_modify\textgreater command was successfully performed.

The variables in this message are:
- `channelId` - the identity of the channel against which the modify command was performed
- `protocol` - the communication protocol used by `channelId`. Valid values are:
  - TCP - TCP/IP
  - SNA - SNA
- `processed` - the type of action. Valid values are:
  - CLOSED - `channelId` has been successfully closed for incoming connections
  - OPENED - `channelId` has been successfully opened for incoming connections
- `applicId` - the identity of the application that `channelId` serves

**Corrective Action:** No action is required.

**ECAG5DI** IOAGATE WILL BE SHUT DOWN AS SOON AS ALL CLIENTS HAVE DISCONNECTED

**Explanation:** This information message indicates that an F IOAGATE,CLOSE=ALL,SHUT modify command was successfully performed.

Processing continues. IOAGATE will be shut down as soon as all active clients have been disconnected.

**Corrective Action:** No action is required.

**ECAG5EW** SHUT SPECIFICATION REJECTED, THERE ARE OPEN CHANNELS

**Explanation:** An F IOAGATE,CLOSE=channelId,SHUT modify command was issued but the SHUT subcommand was rejected because a channel was found to be open and active.

**Corrective Action:** If required, close the open channels and re-issue the F IOAGATE,CLOSE=ALL,SHUT modify command.

**ECAG5FW** MODIFY(OPEN=ALL) IGNORED, ALL CHANNELS OPEN

**Explanation:** An F IOAGATE,OPEN=ALL modify command was issued, but was rejected because all active channels are already open.

**Corrective Action:** No action is required.

**ECAG5GI** SHUT COMMAND ISSUED EARLIER BY "CLOSE,SHUT" HAS BEEN CANCELED

**Explanation:** An F IOAGATE,OPEN=channelId modify command was issued, but the CLOSE=ALL,SHUT command had already been issued.

The action that was ordered by the SHUT subcommand has been canceled.

**Corrective Action:** No action is required.
ECAG5HI  IOAGATE GOES DOWN DUE TO COMMAND "CLOSE=.,SHUT" I ISSUED EARLIER

Explanation: An F IOAGATE,OPEN=ALL,SHUT modify command was issued some time ago, and all active clients have been disconnected. IOAGATE goes down.

Corrective Action: No action is required.

ECAG5II  CHANNEL(channelId.protocol) TASK(taskId.type) INCOMING CONNECTION REJECTED: CHANNEL CLOSED

Explanation: This information message indicates that an F IOAGATE,CLOSE=ALL/ channelId modify command was issued against the channelId channel, and this channel was closed.

The variables in this message are:
- channelId - the identity of the channel that was closed by the modify command
- protocol - the communication protocol used by channelId. Valid values are:
  - TCP - TCP/IP
  - SNA - SNA
- taskId - the internal identity of the channel task that detected the connection attempt
- type - the internal type of the taskId channel task

The attempt to connect to the channelId channel is rejected. Normal processing continues.

Corrective Action: No action is required.

ECAG5TE  LE PREINITIALIZATION FAILED, MOD=modname,FUNC=function,RC=return_code

Explanation: Language Environment Preinitialization services is used to create a persistent C environment for INCONTROL C programs. An error occurred while using this facility. The subtask involved will be abended with code U0186.

The variables are defined as follows:
- modname - name of the program that issued the call
- function - one of the following:
  - INIT - environment initialization
  - CSUB,TRM-CSUB - calling a C program
  - TERM - terminating the environment
- return_code (selection):
  - rc= 8: failure to load a C program. Program might be missing from STEPLIB.
  - rc=12: insufficient storage for the preinitialization environment
  - rc=16: An active environment already exists
• rc=32: Abend occurred in preinitialization services

**Corrective Action:**
1. For INIT return codes 8 or 12, check your environment. In other cases, notify BMC Customer Support.
2. For a Control-D PC transfer, a previous error (such as, an error reading the file during the transfer or an abend in the transmission program) might have caused this error. For immediate transfers, exit and enter the online session before trying more transfers.
3. For IOAGATE or Control-M monitor, if they shut down, restart them.

**ECAG5UE TCP/IP STACK stack UNAVAILABLE, ERRNO=errno. CHANNEL channell d DI SABLED.**

**Explanation:** An IOAGATE channel was defined with ESTACK=stack in ECAPARMx. The z/OS system has dual stack mode TCP/IP, but the specified stack is not running.

**Corrective Action:** Either bring up the started task specified in ESTACK parameter, or remove the ESTACK parameter. Then recycle IOAGATE.

**ECAG61S CHANNEL(channell d:SNA) IOAGATE INTERNAL COMMUNICATION ERROR, SEND INDICATION NOT RECEIVED**

**Explanation:** IOAGATE discovered a protocol violation. After the sending side of a dual connection (DC) SNA channel allocates a conversation with its partner or client, the partner application should reverse the conversation direction. Due to a protocol violation, the conversation direction was not reversed. This message can occur only for dual connection (DC) SNA channels.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

**ECAG62I CHANNEL(channell d:TCP) COMTASK(taskId) SOCKET(socket) USER(userId) LOGGED ON FROM ipAdd**

**Explanation:** This information message indicates that a user successfully logged on to IOAGATE over a multiple connection (MC) TCP channel.

The variables in this message are:
- `channelId` - the identity of the channel on which this user logged on to IOAGATE
- `taskId` - the identity of the TCP/IP communication task to which this user was assigned
- `socket` - TCP/IP socket number of this connection
- `userId` - the identity of the user who logged on
- `ipAdd` - IP address of the user that logged on

**Corrective Action:** No action is required.
ECAG63I CHANNEL(channelId.SNA) DEALLOCATE SENT TO PARTNER, APPLID(applId) LU(luName)

Explanation: This information message indicates that a DEALLOCATE APPC command was sent to a partner or client.

Conversation parameters:
- **channelId**: the identity of the channel this partner or client was using
- **applId**: VTAM LU 6.2 (APPC) application ID of the IOAGATE
- **luName**: VTAM LU 6.2 (APPC) LU name of the partner or client

Corrective Action: No action is required.

ECAG64I CHANNEL(channelId.SNA) CONVERSATION STARTED WITH PARTNER APPLID(applId) LU(luName) MODE(mode)

Explanation: This information message indicates that a conversation started between IOAGATE and its partner or client. The specified partner or client started a conversation with IOAGATE. The message can be issued for a dual connection (DC) SNA channel only.

Conversation parameters are:
- **channelId**: the identity of the channel on which the specified conversation started
- **applId**: VTAM LU 6.2 (APPC) application identity of the IOAGATE
- **luName**: VTAM LU 6.2 (APPC) LU name of the partner or client
- **mode**: the mode in use. Valid values are:
  - SENDER - the sender mode of the DC SNA channel conversation
  - RECEIVER - the receiver mode of the DC SNA channel conversation

Corrective Action: No action is required.

ECAG65I CHANNEL(channelId.SNA) DEALLOCATE RECEIVED FROM PARTNER APPLID(applId) LU(luName)

Explanation: This information message indicates that a DEALLOCATE APPC command was received from a partner or client. The partner deallocated the conversation with IOAGATE.

Conversation parameters are:
- **channelId**: the identity of the channel over which the specified conversation was occurring when it was terminated
- **applId**: VTAM LU 6.2 (APPC) application identity of the IOAGATE
- **luName**: VTAM LU 6.2 (APPC) LU name of the partner or client

Corrective Action: No action is required.
ECAG66W CHANNEL(channelId.SNA) TPEND EXIT INVOKED,
APPLID(applId) LU(luName) REASON(rsn)

Explanation: The VTAM operator broke the connection between the partner or client and the indicated SNA channel. This message indicates that the TPEND exit was invoked.

Attributes of the connection are:
- channelId - the identity of the SNA channel that was connected to the partner or client
- applId - VTAM LU 6.2 (APPC) application identity of the IOAGATE
- luName - VTAM LU 6.2 (APPC) LU name of the partner or client
- rsn - code indicating what happenedFor the explanation for each value of rsn, see the VTAM Programming for LU 6.2 Manual

Processing continues, and IOAGATE tries to recycle the specified SNA channel.

Corrective Action: For an explanation of TPEND reason codes, see the VTAM Programming for LU 6.2 Manual. Call your system programmer for assistance.

ECAG67W CHANNEL(channelId.SNA) ATTN LOSS EXIT INVOKED,
APPLID(applId) LU(luName)

Explanation: The partner or client and IOAGATE were disconnected. This message precedes the message ECAG68I, which contains VTAM diagnostic information.

The attributes of the broken connection are:
- channelId - the identity of the channel on which the disconnection occurred
- applId - VTAM LU 6.2 (APPC) application identity of the IOAGATE
- luName - VTAM LU 6.2 (APPC) LU name of the partner or client

IOAGATE attempts to recycle the indicated SNA channel.

Corrective Action: Read the message ECAG68I to identify and fix the problem, if possible. If you cannot resolve the problem, call your system programmer for assistance.

ECAG68I RPL6SNSI(rpl6sns_code) RPL6RC(rpl6rsn_code)
RPL6DETP(rpl6detp_code) RPLSONCD(rplsoncd_code)

Explanation: This information message displays VTAM diagnostic information for a network systems programmer. It follows message ECAG67W, which announces disconnection of IOAGATE from its partner or client.

RPL6 fields that are documented in the VTAM Programming for LU 6.2 are:
INCONTROL for z/OS Messages Manual

- \textit{rpl6sns\_code} - sense code returned by VTAM
- \textit{rpl6rsn\_code} - RPL6 reason code returned by VTAM
- \textit{rpl6detp\_code} - DETP reason code returned by VTAM
- \textit{rplsoncd\_code} - SONCD UNBIND type code returned by VTAM

\textbf{Corrective Action:} Try to determine the cause of the problem, and correct it. If you cannot resolve the problem, call your system programmer for assistance.

\textbf{ECAG69I CHANNEL(\textit{channelId}.SNA) READY FOR COMMUNICATIONS, APPL\textit{ID}(\textit{applId})}

\textbf{Explanation:} This information message indicates that the SNA channel of the IOAGATE is waiting for an ALLOCATE request from a partner or client. This message is issued during a multiple connection (MC) SNA channel startup.

Attributes of the SNA channel are:
- \textit{channelId} - the identity of the channel that is ready for communications
- \textit{applId} - VTAM LU 6.2 (APPC) application ID of the IOAGATE

\textbf{Corrective Action:} No action is required.

\textbf{ECAG70I PROBABLE CAUSE: TEMPORARY STORAGE SHORTAGE}

\textbf{Explanation:} This information message indicates that the probable reason for the failure of a VTAM request is a temporary shortage of main storage for VTAM. This message follows a message that announces failure of a VTAM request, such as an APPC command, or an OPEN or CLOSE ACB command, and precedes message ECAG81I, ECAG84I, or ECAG85I, which indicates the action that will be taken by IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.

\textbf{Corrective Action:} If the problem persists, consider tuning the VTAM buffer. Call your system programmer for assistance.

\textbf{ECAG71I PROBABLE CAUSE: VTAM IS HALTING}

\textbf{Explanation:} This information message indicates that VTAM is probably going down. This message follows a message that announces failure of a VTAM request, such as an APPC command, or an OPEN or CLOSE ACB command. It precedes message ECAG81I, ECAG84I, or ECAG85I, which indicates the action that will be taken by IOAGATE. This message can be issued for an SNA channel only.

SNA channel fails. Processing continues.

\textbf{Corrective Action:} If the problem persists, call your system programmer for assistance.
ECAG72I PROBABLE CAUSE: APPLID NOT DEFINED

Explanation: This information message indicates that the probable reason for the failure of a VTAM OPEN ACB command is that VTAM does not recognize the VTAM LU 6.2 (APPC) application ID specified in the OPEN ACB command. This message follows message ECAG91W, which announces the command failure, and precedes message ECAG83E, which specifies the action that will be taken by IOAGATE. This message can be issued for an SNA channel only.

Possible causes are:
- The Major node where APPLID is defined is not active.
- The APPLID defined to VTAM does not match the APPLID or APPLIDS defined to IOAGATE in the ECAPARM SNA channel declaration.

Processing continues, but the SNA channel fails.

Corrective Action: Activate the Major node, or correct the APPLID or APPLIDS specifications in the SNA channel declaration in the ECAPARM configuration file. If the problem persists, call your system programmer for assistance.

ECAG73I PROBABLE CAUSE: APPLID DEFINED IMPROPERLY

Explanation: This information message indicates that the probable reason for failure of a VTAM OPEN ACB command is that the VTAM LU 6.2 (APPC) application ID specified in the OPEN ACB command is probably not a valid application definition, although it is known to VTAM. This could happen, for instance, if the APPLID or APPLIDS defined to IOAGATE in the ECAPARM configuration file is incorrect, but happens to match the name of another resource known to VTAM.

This message follows a message that announces failure of the VTAM OPEN ACB command, and precedes message ECAG83E, which specifies the action that will be taken by the IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.

Corrective Action: Correct the APPLID or APPLIDS specifications in the SNA channel declaration in the ECAPARM configuration file. If the problem persists, call your system programmer for assistance.

ECAG74I PROBABLE CAUSE: ACB HAS ALREADY BEEN OPENED

Explanation: This information message indicates that the probable reason for the failure of a VTAM OPEN ACB command is that the VTAM LU 6.2 (APPC) application ID specified in the OPEN ACB command is already open and in use by another application.

Possible causes are:
- Another IOAGATE with the same APPLID is already up.
- The APPLID defined to the IOAGATE in the ECAPARM configuration file is incorrect, but matches the name of another resource known to VTAM.

This message precedes message ECAG85I, which specifies the action that will be taken by IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.
**Corrective Action:** Correct the APPLID specifications in the SNA declaration in the ECAPARM configuration file, or shut down the address space that uses the same APPLID. If the problem persists, call your system programmer for assistance.

**ECAG75I PROBABLE CAUSE: APPLID INACTIVATED**

**Explanation:** This information message indicates that the probable cause of the failure of a VTAM OPEN ACB command is that the VTAM LU 6.2 (APPC) application ID is inactive. This message precedes message ECAG81I, which specifies the action that will be taken by the IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.

**Corrective Action:** Activate the application defined by the APPLID. If the problem persists, call your system programmer for assistance.

**ECAG76I PROBABLE CAUSE: VTAM IS NOT ACTIVE**

**Explanation:** This information message indicates that the probable cause of the failure of a VTAM request, such as an APPC command, or an OPEN or CLOSE ACB command, is that VTAM is down. This message precedes message ECAG85I, which specifies the action that will be taken by the IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.

**Corrective Action:** Call your network systems programmer for assistance.

**ECAG77I PROBABLE CAUSE: PARTNER DISCONNECTED**

**Explanation:** This information message indicates that the probable cause of the failure of a VTAM APPC command is that the conversation was lost due to disconnection from the partner or client. This message follows message ECAG90E, which announces that an APPC command failed, and precedes message ECAG81I, which specifies the action that will be taken by the IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.

**Corrective Action:** Check the message issued by the partner or client and proceed accordingly. If the problem persists, call your system programmer for assistance.

**ECAG78I PROBABLE CAUSE: CONNECTION LOST**

**Explanation:** This information message indicates that the probable cause of failure of a VTAM APPC command is a communication disruption. This may be due to a resource failure on the route to or from the partner or client. This message precedes message ECAG81I, which specifies the action that will be taken by the IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.

**Corrective Action:** Try to determine the cause of the communication disruption and correct it. If the problem persists, call your system programmer for assistance.
ECAG79I PROBABLE CAUSE: SESSION TERMINATED

Explanation: This information message indicates that the probable cause of failure of a VTAM APPC command is the termination of a VTAM session, possibly because of a protocol error. This message precedes message ECAG81I, which indicates the action that will be taken by the IOAGATE. This message can be issued for an SNA channel only.

Processing continues, but the SNA channel fails.

Corrective Action: Call your system programmer for assistance. If the problem persists, contact BMC Software Customer Support.

ECAG81I CHANNEL(channelId.SNA) RE-START COMMUNICATION WILL BE ATTEMPTED

Explanation: This information message indicates that an attempt will be made to restart the specified SNA channel. Restarting an SNA channel involves preparing to receive a conversation allocation request from the partner or client LU, including opening the ACB if it is not already open. This message follows other messages that provide details about an error that occurred.

In this message, channelId is the identity of the problematic SNA channel.

IOAGATE attempts to restart the indicated channel.

Corrective Action: No action is required.

ECAG82I CHANNEL(channelId.SNA) RE-CYCLE COMMUNICATION WILL BE ATTEMPTED

Explanation: This information message indicates that an attempt will be made to recycle the SNA channel. Recycling communication for a SNA channel involves deallocating the conversation (if there is any), closing and re-opening the ACB, and preparing to receive a conversation allocation request from the partner or client LU. This message follows other messages that provide details about the error that occurred.

In this message, channelId is the identity of the problematic SNA channel.

IOAGATE attempts to recycle the indicated SNA channel.

Corrective Action: No action is required.

ECAG83E IOAGATE WILL BE SHUT DOWN

Explanation: IOAGATE will shut down because of an error that occurred. This message follows other messages that provide details about the error.

IOAGATE shuts down.

Corrective Action: If the shutdown is due to an error in the IOAGATE, contact BMC Software Customer Support.
ECAG84I  OPERATION WILL BE RE-ATTEMPTED

**Explanation:** This information message indicates that a failed operation will be retried. This message follows other messages that provide details about an error that occurred. This message can be issued for an SNA channel only.

Normal processing continues, and the failed operation is retried until it succeeds or until the retry limit is reached. When the retry limit is exceeded, an attempt is made to recycle the SNA channel.

**Corrective Action:** No action is required.

ECAG85I  OPERATION WILL BE RE-ATTEMPTED IN A MINUTE

**Explanation:** This information message indicates that a failed operation will be retried after one minute. This message follows other messages that provide details about an error that occurred. This message can be issued for a SNA channel only.

Normal processing continues, and the failed operation is retried after one minute.

**Corrective Action:** No action is required.

ECAG87I  CHANNEL(channelId.SNA) ESTABLISHED CNOS APPL ID(applId) LU(luName) LOGMODE(logmode) MINWNL(minwnl) MINWNR(minwnr) SESLIM(seslim_code)

**Explanation:** This information message indicates that a multiple connection (MC) SNA channel established CNOS connection with a partner IOAGATE.

Parameters of the established connection are:
- channelId - Channel ID of the local IOAGATE
- applId - VTAM LU 6.2 (APPC) application identity of the local IOAGATE
- luName - VTAM LU 6.2 (APPC) application identity of the partner IOAGATE
- logmode - LOGMODE used in this connection
- minwnl - Minimum contention winner sessions for the local IOAGATE
- minwnr - Minimum contention winner sessions for the partner IOAGATE
- seslim - Maximum number of sessions between the local and the partner IOAGATEs

**Corrective Action:** No action is required.

ECAG88I  CHANNEL(channelId.SNA) SESSION ALLOCATED LU(luName) CONVID(conversation_id) SID(session_id)

**Explanation:** This information message indicates that the sending conversation with a partner IOAGATE was allocated over a multiple connection (MC) SNA channel.

The variables in this message are:
ECAG89W CHANNEL(channelId.SNA) APPCCMD(appc_command) FAILED
APPLID(applId) R15(r15_rc) R0(r0_rsn) RPL6RC(rpl6_rsn) PARTNER LU(luName)

Explanation: An APPC command issued by a multiple connection (MC) SNA channel failed. This message precedes message ECAG84I, which specifies the action that will be taken by IOAGATE. This message may follow another message that provides more information about the error.

The variables in this message for the system programmer are:

- channelId: the identity of the channel that issued the APPC command
- appc_cmd: the failed APPC command
- applId: VTAM LU 6.2 (APPC) application identity of the local IOAGATE
- r15_rc: Return code returned by VTAM in R15
- r0_rsn: Reason code returned by VTAM in R0
- rpl6_rsn: RPL6 reason code returned by VTAM in RPL6
- luName: VTAM LU 6.2 (APPC) application ID of the partner IOAGATE

For more information on appc_cmd, r15_rc, r0_rsn, and rpl6_rsn, see the VTAM Programming for LU 6.2 Manual.

Corrective Action: If another message follows with a probable cause of the error, perform the user action recommended for that message. Otherwise, call your system programmer for assistance.

ECAG90E CHANNEL(channelId.SNA) APPCCMD(appc_cmd) FAILED
APPLID(applId) R15(r15_rc) R0(r0_rsn) RPL6RC(rpl6_rsn) PARTNER LU(luName)

Explanation: An APPC command issued by a multiple connection (MC) SNA channel failed. This message precedes message ECAG84I, which specifies the action that will be taken by IOAGATE. This message may follow another message that provides more information about the error.

The variables in this message for the system programmer are:
**channelId** - the identity of the channel that issued the APPC command

**appc_cmd** - the failed APPC command

**applId** - VTAM LU 6.2 (APPC) application identity of the local IOAGATE

**r15_rc** - return code returned by VTAM in R15

**r0_rsn** - reason code returned by VTAM in R0

**rpl6_rsn** - RPL6 reason code returned by VTAM in RPL6

**luName** - VTAM LU 6.2 (APPC) application identity of the partner IOAGATE

For more information on **appc_cmd**, **r15_rc**, **r0_rsn**, and **rpl6_rc**, see the VTAM Programming for LU 6.2 Manual.

**Corrective Action:** If another message follows with a probable cause of the error, perform the user action recommended for that message. Otherwise, call your system programmer for assistance.

**ECAG91W CHANNEL(channelId.SNA) OPEN ACB FAILED, APPLID(applId) ACBERFLG(acb_err_flag)**

**Explanation:** An OPEN ACB command issued by a multiple connection SNA channel failed. This message precedes a message that specifies the action that will be taken by IOAGATE. This message may follow another message that provides more information about the error.

The variables in this message for the system programmer are:

- **channelId** - the identity of the channel that issued the OPEN command
- **applId** - VTAM LU 6.2 (APPC) application identity of the local IOAGATE
- **acb_err_flag** - ACBERFLG flags returned by VTAM

**Corrective Action:** If another message follows with a probable cause of the error, perform the user action recommended for that message. Otherwise, call your system programmer for assistance.

**ECAG93W CHANNEL(channelId.SNA) CLOSE ACB FAILED, APPLID(applId) ACBERFLG(acb_err_flag)**

**Explanation:** A CLOSE ACB command issued by a multiple connection SNA channel failed. This message precedes a message that specifies the action that will be taken by IOAGATE. This message may follow another message that provides more information about the error.

The variables in this message for the system programmer are:

- **channelId** - the identity of the channel that issued the CLOSE command
- **applId** - VTAM LU 6.2 (APPC) application identity of the local IOAGATE
- **acb_err_flag** - ACBERFLG flags returned by VTAM

**Corrective Action:** If another message follows with a probable cause of the error, perform the action recommended for that message. Otherwise, call your system programmer for assistance.
ECAG94W CHANNEL(channelId.SNA) SETLOGON FAILED, APPLD(applId)
R15(r15_rc) R0(r0_rsn) RPLRTNCD(rplrtncd_code)
RPLFDBK2(rplfdbk2_code)

Explanation: A SETLOGON command issued by a multiple connection (MC) SNA channel failed. This message precedes a message that specifies the action that will be taken by IOAGATE. This message may follow another message that provides more information about the error.

The variables in this message for the system programmer are:

- **channelId** - the identity of the channel that issued the SETLOGON command
- **applId** - VTAM LU 6.2 (APPC) application identity of the local IOAGATE
- **r15_rc** - return code returned by VTAM in R15
- **r0_rsn** - reason code returned by VTAM in R0
- **rplrtncd_code** - RPLRTNCD returned by VTAM in RPL
- **rplfdbk2_code** - RPLFDBK2 returned by VTAM in RPL

For more information on **r15_rc**, **r0_rsn**, **rplrtncd_code**, and **rplfdbk2_code**, see the VTAM Programming for LU 6.2 Manual.

Corrective Action: If another message follows with a probable cause of the error, perform the user action recommended for that message. Otherwise, call your system programmer for assistance.

ECAG95E CHANNEL(channelId.SNA) APPCCMD(appc_cmd) FAILED AFTER num RETRIES APPLD(applId) PARTNER LU(luName)

Explanation: An APPC command issued by a multiple connection (MC) SNA channel failed after a number of retries. This message precedes a message that specifies the action that will be taken by the local IOAGATE. This message may follow another message that provides more information about the error.

The variables in this message for the system programmer are:

- **channelId** - the identity of the channel that issued the APPC command
- **appc_cmd** - the failed APPC command
- **num** - the number of retries before failure
- **applId** - VTAM LU 6.2 (APPC) application identity of the SNA channel
- **luName** - VTAM LU 6.2 (APPC) application identity of the partner IOAGATE

Corrective Action: For more information on **appc_cmd**, see the VTAM Programming for LU 6.2 Manual. The IOAGATE recycles the specified SNA channel.
If another message follows with a probable cause of the error, perform the user action recommended for that message. Otherwise, call your system programmer for assistance.

**ECAG96E CHANNEL(CHANNEL) APPCCMD SEND NOT COMPLETED WITHIN 10 MINUTES, APPLID(APPLID) PARTNER LU(LUName)**

**Explanation:** A SEND operation issued by a multiple connection (MC) SNA channel was not completed within the specified time interval. This message precedes a message that specifies the action that will be taken by the local IOAGATE. This message may follow another message that provides more information about the error.

The variables in this message are:
- `channelId` - the identity of the channel that issued the APPC command
- `applId` - VTAM LU 6.2 (APPC) application identity of the SNA channel
- `luName` - VTAM LU 6.2 (APPC) LU name of the partner IOAGATE

The IOAGATE recycles the specified SNA channel.

**Corrective Action:** If another message follows with a probable cause of the error, perform the user action recommended for that message. Otherwise, call your system programmer for assistance.

**ECAG97E CHANNEL(CHANNEL) GENCB FAILED, APPLID(APPLID) R15(r15_rc) R0(r0_rsn) RPLRTNCD(rplrtncd_code) RPLFDBK2(rplfdbk2_code)**

**Explanation:** A GENCB operation issued by a multiple connection SNA channel failed. This message precedes a message that specifies the action that will be taken by the local IOAGATE.

The variables in this message for the system programmer are:
- `channelId` - the identity of the SNA channel that issued the GENCB operation
- `applId` - VTAM LU 6.2 (APPC) application ID of the SNA channel
- `r15_rc` - return code returned by VTAM in R15
- `r0_rsn` - reason code returned by VTAM in R0
- `rplrtncd_code` - RPLRTNCD returned by VTAM in RPL
- `rplfdbk2_code` - RPLFDBK2 returned by VTAM in RPL

For more information on `r15_rc`, `r0_rsn`, `rplrtncd_code`, and `rplfdbk2_code`, see the VTAM Programming for LU 6.2 Manual.

The IOAGATE shuts down.

**Corrective Action:** Try to determine the cause of the failure using the diagnostic information in the message. If you cannot resolve the problem, call your system programmer for assistance.
ECAG98I CHANNEL(channelId.SNA) CONVERSATION STARTED, LU(luName) CONVID(conversation_id) SID(session_id) APPLID(applId)

**Explanation:** This information message indicates that the specified conversation started between the IOAGATE and its partner. A specific partner started a conversation with the IOAGATE.

The variables in this message are:
- channelId - the identity of the SNA channel on which the conversation was started
- luName - VTAM LU 6.2 (APPC) LU name of the partner IOAGATE
- conversation_id - VTAM LU 6.2 (APPC) conversation identity
- session_id - session identity
- applId - VTAM LU 6.2 (APPC) application identity of the IOAGATE

**Corrective Action:** No action is required.

ECAG99W CHANNEL(channelId.SNA) ATTN LOSS EXIT INVOKED, LU(luName) APPLID(applId) SID(session_id)

**Explanation:** A session between the specified LU and the local IOAGATE ended. A partner IOAGATE ended the connection to the local IOAGATE.

The variables in this message are:
- channelId - the identity of the SNA channel on which the connection was terminated
- luName - VTAM LU 6.2 (APPC) application identity of the partner IOAGATE
- applId - VTAM LU 6.2 (APPC) application identity of the local IOAGATE
- session_id - session identity

**Corrective Action:** No action is required.

Messages ECAH00 through ECAHxx

This group includes messages for the IOA (infrastructure) product.

ECAH01W APPL.SERVER(svr) SUSPECTED HANGING IN THE LAST num1 INTERVALS OF num2 seconds:

**Explanation:** The Hanging Detection mechanism in IOAGATE suspected a hanging transaction in the application server.

The variables in this message are:
- svr - the identity of the application server
- num1 - the duration in seconds of one time interval
- num2 - the number of time intervals that this hanging situation continues

This message is followed by message ECAH0AI.
Corrective Action: No action is required.

ECAH02W IOAGATE SUSPECTED HANGING IN THE LAST $num1$ INTERVALS OF $num2$ seconds:

Explanation: The Hanging Detection mechanism in IOAGATE suspected a hanging transaction in IOAGATE.

The variables in this message are:
- $num1$ - the duration in seconds of one time interval
- $num2$ - the number of time intervals that this hanging situation continues

This message is followed by message ECAH0BI.

Corrective Action: No action is required.

ECAH03W CHANNEL ($chan$) SUSPECTED HANGING IN THE LAST $num1$ INTERVALS OF $num2$ seconds:

Explanation: The Hanging Detection mechanism in IOAGATE suspected a hanging transaction in a communication channel.

The variables in this message are:
- $chan$ - the identity of the communication channel
- $num1$ - the duration in seconds of one time interval
- $num2$ - the number of time intervals that this hanging situation continues

This message is followed by message ECAH0CI.

Corrective Action: No action is required.

ECAH0AI MESSAGES HAVE BEEN ACCUMULATED FOR THE APPL.SERVER BUT IT HAS NOT BEEN READY TO PROCESS THEM

Explanation: This information message describes the result of the hanging transaction that was described in message ECAH01W.

Corrective Action: No action is required.

ECAH0BI ROUTING PROCESS DOES NOT TAKE PLACE

Explanation: This information message describes the result of the hanging transaction that was described in message ECAH02W.

Corrective Action: No action is required.

ECAH0CI MESSAGES HAVE BEEN ACCUMULATED FOR THE CHANNEL TO BE SENT, BUT NO MESSAGE HAS BEEN SENT

Explanation: This information message describes the result of the hanging transaction that was described in message ECAH03W.
Corrective Action: No action is required.

Messages ECAL00 through ECALxx
This group includes messages for the IOA (infrastructure) product.

ECAL00I Module Source Compilation date Change level Size CSECT of
Explanation: This information message provides header information about IOAGATE software level. ECAL01I messages that follow provide details for load modules of IOAGATE.
Corrective Action: No action is required.

ECAL01I module source compDate changeLevel size CSECT of
Explanation: This message follows the message ECAL00I, which provides header information. The set of ECAL01I information messages provides detailed software level information about a separate load module or CSECT of a load module.
The variables in this message are:
- module - the name of a load module or CSECT when SAS/C is the source
- source - the type of the source
- compDate - a compilation timestamp
- changeLevel - the last change identity applied to this module or CSECT
- size - the hexadecimal size of a load module
- CSECT of - the load module name that this CSECT is part of. If the load module name and the CSECT are the same, then this field is empty.
Corrective Action: No action is required.

ECAL02S MCT ADDRESS UNAVAILABLE
Explanation: A severe internal error occurred when trying to retrieve the detailed software level information of IOAGATE.
Level information about IOAGATE is not displayed. Processing continues.
Corrective Action: Contact BMC Software Customer Support.

ECAL03S NO PARAMETER SPECIFIED FOR ECASLVL
Explanation: A severe internal error occurred.
The ECAB0DI message ("ECAAPPL PROCESSOR CREATED...") is not displayed. Processing continues.
Corrective Action: Contact BMC Software Customer Support.

ECAL04S LOAD FAILED FOR MODULE(ECAAPL)
Explanation: A severe error occurred when trying to load the ECAAPPL processor.
IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

---

**ECAL05E** FAILURE TO RECOGNIZE LEVEL OF (ECAAPL)

**Explanation:** An internal error occurred.
The ECAB0DI message ("ECAAPPL PROCESSOR CREATED...") is not displayed. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

---

**ECAL06I** Operating System Level(*lvl*) FMID(*fmid*)

**Explanation:** This information message displays the level of the Operating System under which control of IOAGATE is currently running.
The variables in this message are:
- *lvl* - the level identity of the operating system
- *fmid* - the FMID identity of the operating environment

**Corrective Action:** No action is required.

---

**ECAL07I** IOAGATE STARTED TO DISPLAY SOFTWARE LEVEL ONLY, RELEASE(*rel*) CCID(*lvl_id*)

**Explanation:** This information message indicates that IOAGATE was started with the A parameter set to L. This special mode serves to display the level information of the IOAGATE code only.
IOAGATE displays the requested level information, and goes down.

**Corrective Action:** No action is required.

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**ECAL09E** FAILURE TO RECOGNIZE ECVTPNAM VALUE: val.

**Explanation:** An internal error occurred when trying to identify the operating system level.

**Corrective Action:** Contact BMC Software Customer Support.

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**Messages ECAP00 through ECAPxx**

This group includes messages for the IOA (infrastructure) product.

**ECAP01S** READING FAILED WITH RC(*) REASON(*)

**Explanation:** An attempt to process a network map specified in the ECAPARM configuration file failed.
The message ECAP0XE precedes this message, and identifies the problematic network map.
If a network map is specified in the ECAPARM configuration file, IOAGATE reads the map during initialization, and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this network map. To get the name of the network map, the Control-O monitor loads the same ECAPARM configuration file.
INCONTROL for z/OS Messages Manual

The variables in this message are:

- \( rc \) - the return code

Valid values for \( rc \) are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Member not found</td>
</tr>
<tr>
<td>16</td>
<td>Data set is not a library</td>
</tr>
<tr>
<td>24</td>
<td>LRECL is not 80</td>
</tr>
<tr>
<td>28</td>
<td>Data set in use</td>
</tr>
<tr>
<td>36</td>
<td>Data set not in the catalog</td>
</tr>
<tr>
<td>56</td>
<td>STAE detected an abend</td>
</tr>
</tbody>
</table>

- \( rsn \) - the system failure reason code

IOAGATE disables the Control-O application defined in the network map definitions, and processing continues.

Corrective Action: Correct the problem indicated by the reason code \( rsn \), and restart IOAGATE.

ECAP02E LUNAME= VALUE LONGER THAN 8 CHARACTERS

Explanation: The LUNAME parameter value in the specified line in the specified network map in the ECAPARM configuration file is too long.

If a network map is specified in the ECAPARM configuration file, IOAGATE reads the map during initialization and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this network map. To get the name of the network map, the Control-O monitor loads the same ECAPARM configuration file.

IOAGATE discards the line containing the problem, and processing continues. If the line is a part of a PARTNER statement that defines a connection for the current IOAGATE, processing of the map fails, and the application linked to the channel with this map is disabled.

Corrective Action: Change the value of LUNAME so that it complies with VTAM naming conventions, and restart IOAGATE.

ECAP03E NON-ALPHANUMERIC CHARACTER IN LUNAME= VALUE

Explanation: The LUNAME parameter value in the specified line in the specified network map in the ECAPARM configuration file contains a character that is not alphanumeric.
If a network map is specified in the ECAPARM configuration file, IOAGATE reads the map during initialization and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this network map. To get the network map name, the Control-O monitor loads the same ECAPARM configuration file.

IOAGATE discards the line containing the problem, and processing continues. If the line is a part of a PARTNER statement that defines a connection for the current IOAGATE, processing of the map fails, and the application linked to the channel with this map is disabled.

**Corrective Action:** Change the value of LUNAME so that it complies with VTAM naming conventions, and restart IOAGATE.

ECAP04E INVALID FIRST CHARACTER IN LUNAME= VALUE

**Explanation:** The first character of the LUNAME parameter value in the specified line in the specified network map in the ECAPARM configuration file is invalid.

If a network map is specified in the ECAPARM configuration file, IOAGATE reads the map during initialization and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this network map. To get the network map name, the Control-O monitor loads the same ECAPARM configuration file.

IOAGATE discards the line containing the problem, and processing continues. If the line is a part of a PARTNER statement that defines a connection for the current IOAGATE, processing of the map fails, and the application linked to the channel with this map is disabled.

**Corrective Action:** Change the value of LUNAME so that it complies with VTAM naming conventions, and restart IOAGATE.

ECAP05W THE STATEMENT IS OUT OF PLACE

**Explanation:** An invalid order of statements was discovered in the network map.

IOAGATE disables the channel that uses the indicated network map.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map, and restart IOAGATE.

ECAP06E port / host = REQUIRED IN TCP PARTNER IF CONNECTOR=LOCAL SPECIFIED

**Explanation:** Either the PORT or the HOST parameter in the TCP partner statement of the network map must be specified if the CONNECTOR parameter in that TCP partner is set to LOCAL.

IOAGATE disables the channel that uses the indicated network map.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map, and restart IOAGATE.

ECAP07E MAP DOES NOT BEGIN WITH LOCAL STATEMENT

**Explanation:** The network map must begin with a LOCAL statement.

IOAGATE disables the channel that uses the indicated network map.
Corrective Action: Correct the IOAGATE-to-IOAGATE connection configuration in the network map, and restart IOAGATE.

ECAP08W UNRECOGNIZED STATEMENT (*stmt*)

Explanation: The network map statement *stmt* was not recognized as valid.

IOAGATE disables the channel that uses the indicated network map.

Corrective Action: Correct the IOAGATE-to-IOAGATE connection configuration in the network map, and restart IOAGATE.

ECAP09E INVALID *stmt* STATEMENT

Explanation: The invalid statement *stmt* was discovered in the network map.

IOAGATE disables the channel that uses the indicated network map.

Corrective Action: Correct the IOAGATE-to-IOAGATE connection configuration in the network map, and restart IOAGATE.

ECAP0AW IMPROPER PARAMETER IN THE LOCAL STATEMENT

Explanation: An invalid parameter was discovered in the LOCAL statement of the network map.

IOAGATE disables the channel that uses the indicated network map.

Corrective Action: Correct the IOAGATE-to-IOAGATE connection configuration in the network map and restart IOAGATE.

ECAP0CE INVALID IP ADDRESS SPECIFIED IN HOST= PARAMETER

Explanation: An invalid IP address value was discovered in the HOST parameter of the network map.

IOAGATE changes the CONNECTOR value from LOCAL to PARTNER, and tries to continue processing the network map.

Corrective Action: Correct the IP address.

ECAP0DE NON-DIGIT CHARACTER IN PORT= PARAMETER

Explanation: A non-digit character was discovered in the PORT parameter of the network map.

IOAGATE changes the CONNECTOR value from LOCAL to PARTNER, and tries to continue processing the network map.

Corrective Action: Correct the PORT value.

ECAP0EE PORT= VALUE GREATER THAN 65534

Explanation: An invalid PORT parameter value was discovered.

The PORT parameter value must be in the range from 1024 through 65534.

IOAGATE changes the CONNECTOR value from LOCAL to PARTNER and tries to continue processing the network map.

Corrective Action: Correct the PORT value.
ECAP0FS NO LINE FOUND

Explanation: The network map is not valid because it contained no line.

IOAGATE disables the channel that uses the network map identified in the ECAP0XI message that precedes the ECAP0FS message.

Corrective Action: Specify the correct network map member.

ECAP0GE PORT= VALUE LESS THAN 1024

Explanation: The value of the PORT parameter is invalid. The value of the PORT parameter must be in the range from 1024 through 65534.

IOAGATE changes the CONNECTOR value from LOCAL to PARTNER, and tries to continue processing the network map.

Corrective Action: Correct the PORT value.

ECAP0HW NO VALUE SPECIFIED IN THE PORT= PARAMETER

Explanation: The PORT parameter has no value specified.

IOAGATE changes the CONNECTOR value from LOCAL to PARTNER, and tries to continue processing the network map.

Corrective Action: Set a value for the PORT parameter.

ECAP0IE LACK OF REQUIRED PARAMETERS IN protocol PARTNER STATEMENT

Explanation: Some required parameters were not found in the Partner statement of the network map.

In this message, protocol is the communication protocol to be used by the channel to which the network map is defined (the partner statement).

Valid values are:

- TCP - the partner statement uses the network map defined in TCP channel
- SNA - the partner statement uses to the network map defined in SNA channel

IOAGATE disables the channel that uses the indicated network map.

Corrective Action: Correct the IOAGATE-to-IOAGATE connection configuration in the network map and restart IOAGATE.

ECAP0KE INVALID APPL= PARAMETER SPECIFIED

Explanation: An invalid APPL parameter value was discovered in the SNA partner of the network map.

IOAGATE disables the channel that uses the indicated network map.

Corrective Action: Correct the IOAGATE-to-IOAGATE connection configuration in the network map and restart IOAGATE.
ECAP0LE NODE= PARAMETER REQUIRED IN THE PARTNER STATEMENT

**Explanation:** No NODE parameter was found in the PARTNER statement. The NODE parameter must be defined in the PARTNER statement of the network map.

IOAGATE disables the channel that uses the indicated network map.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map and restart IOAGATE.

ECAP0ME NO LOCAL STATEMENT REFERS TO THE CHANNEL NODE(*node*)

**Explanation:** The network map must have a LOCAL statement with a NODE parameter that matches the NODE value from the appropriate CHANNEL declaration.

In this message, *node* is the value of the NODE parameter in the CHANNEL declaration referring to the network map that is being analyzed.

IOAGATE disables the channel that uses the indicated network map.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map and restart IOAGATE.

ECAP0OW CONNECTOR=LOCAL ALTERED TO CONNECTOR=PARTNER

**Explanation:** This warning message is displayed by IOAGATE when the CONNECTOR value has changed from LOCAL to PARTNER.

IOAGATE tries to continue processing the network map.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map and restart IOAGATE.

ECAP0PW INVALID CONNECTOR= VALUE SPECIFIED, SET TO CONNECTOR=PARTNER

**Explanation:** The value of the CONNECTOR parameter is invalid.

IOAGATE changes the CONNECTOR value from LOCAL to PARTNER, and tries to continue processing the network map.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map and restart IOAGATE.

ECAP0QW INVALID LINE DROPPED

**Explanation:** IOAGATE could neither recognize the indicated line, nor detect any specific error in the line.

The line is ignored.

**Corrective Action:** Correct the network map and restart IOAGATE.

ECAP0RE LUNAME= SPECIFIED FOR TCP CHANNEL

**Explanation:** The SNA parameter LUNAME has been specified for a TCP channel.
IOAGATE disables the channel that uses the indicated network map, and tries to continue processing the network map.

**Corrective Action:** Correct the network map and restart IOAGATE.

**ECAP0SE parm = PARAMETER IS INVALID FOR SNA CHANNEL**

**Explanation:** The TCP parameter `parm` has been specified for a SNA channel.

IOAGATE disables the channel that uses the indicated network map, and tries to continue processing the network map.

**Corrective Action:** Correct the network map and restart IOAGATE.

**ECAP0TS INTERNAL ERROR OCCURRED WHEN DISABLING parm stmt**

**Explanation:** A severe internal error occurred when IOAGATE tried to disable the `parm` parameter or the `stmt` statement.

In this message, `parm/stmt` is the parameter or statement that IOAGATE tried to disable.

This message is only issued when IOAGATE is configured for IOAGATE-to-IOAGATE communication.

IOAGATE disables the channel that uses the indicated network map, and tries to continue processing the network map.

**Corrective Action:** Contact BMC Software Customer Support.

**ECAP0WE DUPLICATE NODE= SPECIFIED**

**Explanation:** The same NODE parameter value has been entered twice.

This message is only issued when IOAGATE is configured for IOAGATE-to-IOAGATE communication.

IOAGATE disables the channel that uses the indicated network map and tries to continue processing the network map.

**Corrective Action:** Correct the network map and restart IOAGATE.

**ECAP0XI ERROR DETECTED, MAP(mapId-channelId.protocol), LINE=lineNum**:

**Explanation:** This message is a header message, and is followed by another message that describes precisely an error discovered in line `lineNum`.

The variables in this message are:

- `mapId` - the identity of the network map in which IOAGATE discovered the error
- `channelId` - the identity of the channel that uses the indicated network map
- `protocol` - the current channel uses this communication protocol Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
Corrective Action: Correct the network map and restart IOAGATE.

**ECAP0YE TCPVENDR PARAMETER MUST HAVE THE SAME VALUE IN ALL CHANNELS**

**Explanation:** An error occurred while IOAGATE was checking ECAPARM. The TCPVENDR parameter in the channels defined in ECAPARM had different values.

IOAGATE goes down.

**Corrective Action:** Ensure that the TCPVENDR parameter has the same value in all channels of ECAPARM, then restart IOAGATE.

**ECAP0ZE REQUESTED MAP NOT FOUND IN THE PARM LIBRARY**

**Explanation:** IOAGATE failed to load the network map specified in the channel.

IOAGATE disables the channel that uses the indicated network map and tries to continue processing.

**Corrective Action:** Correct the name of the network map and restart IOAGATE.

**ECAP10I IOAENV memName BUILT BY CCID(changeLevel) ON date is used**

**Explanation:** This information message displays level information for the memName IOAENV parameters member used by IOAGATE in the current run.

The variables in this message are:

- **memName** - the name of the parameters member Valid values are:
  - ECAAPPL - table of supported applications
  - ECAPDEF - table of defaults of numeric parameters
  - ECASRVT - table of services (transactions)

- **changeLevel** - the level of the change that was last applied to the indicated member

- **date** - the date this member was last changed

**Corrective Action:** No action is required.

**ECAP11S memName type PARAMETERS MEMBER UNAVAILABLE**

**Explanation:** A severe error occurred when IOAGATE tried to load the specified IOAENV parameters member.

The variables in this message are:

- **memName** - name of the parameters member
  Valid values are:
  - ECAPARM - configuration file
  - ECAAPPL - table of supported applications
  - ECAPDEF - table of defaults of numeric parameters
  - ECASRVT - table of services (transactions)
ECAP12S ECATMEM FAILED, rsn

Explanation: A severe internal error occurred when IOAGATE tried to verify an internal parameters member.

In this message, possible values for rsn are:

- RC= return_code REASON= reason_code
- INSUFFICIENT STORAGE
- DDNAME NOT PROVIDED
- MEMBER NAME NOT PROVIDED

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP13S memName type PARAMETERS MEMBER IS EMPTY

Explanation: A severe internal error occurred when IOAGATE tried to read the indicated IOAENV parameters member.

The variables in this message are:

- memName - name of the parameters member
  Valid values are:
  - ECAPARM - configuration file
  - ECAAPPL - table of supported applications
  - ECAPDEF - table of defaults of numeric parameters
  - ECASRVT - table of services (transactions)
- type - Name of the parameters member
  Valid values are:
  - SOURCE
  - IOAENV

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP16W NO IOAGATE-TO-IOAGATE CONNECTION WAS DEFINED

Explanation: The F IOAGATE,MAP modify command was issued, to display a network map, but failed because no IOAGATE-to-IOAGATE connection was configured in the current run of the local IOAGATE.
If a network map is specified in the ECAPARM configuration file, IOAGATE reads the map during initialization and builds internal tables of connections in the main storage. The NETWMAP parameter was not specified in the ECAPARM configuration file, or the multiple connection SNA channel was either disabled or not configured to function with a network map.

The F IOAGATE,MAP modify command is ignored. Normal processing continues.

**Corrective Action:** No action is required.

**ECAP17E MAP(mapId -channelId.protocol) PROCESSING FAILED, RC(rc)**

**Explanation:** An error was encountered in the network map identified by the variables in this message.

The variables in this message are:

- `mapId` - the name of a member in the IOPARM library that describes a map of network connections between IOAGATEs that allows one IOAGATE to communicate with another over a multiple connection (MC) channel
- `channelId` - the identity of the channel that uses the network map `mapId`
- `protocol` - the communication protocol used by the current channel. Valid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- `rc` - the return code

Valid values for `rc` are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>&quot;Disable map&quot; error encountered</td>
</tr>
<tr>
<td>12</td>
<td>&quot;Stop processing&quot; error encountered</td>
</tr>
</tbody>
</table>

IOAGATE disables the channel that uses the indicated network map, and tries to continue processing.

**Corrective Action:** Correct the network map and restart IOAGATE.

**ECAP18W NETWORK MAP(mapId) HAS BEEN PROCESSED WITH RC(rc)**

**Explanation:** The network map `mapId` of IOAGATE connections was processed with a nonzero reason code (`rc`).

If a network map is specified in the ECAPARM configuration file, IOAGATE reads the map during initialization, and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this network map. To get the name of the network map, the Control-O monitor loads the same ECAPARM configuration file.

The variables in this message are:
- **mapId** - the name of the member in the IOA PARM library that determines the map of IOAGATE connections, and enables one IOAGATE to communicate with another over a multiple connection (MC) channel

- **rc** - the return code

Valid values for **rc** are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Minor errors were detected in the map, or errors were detected that do not relate to a PARTNER statement describing the connections of the current IOAGATE. The network map is enabled.</td>
</tr>
<tr>
<td>12</td>
<td>Severe errors were detected in the network map. Processing of the map failed.</td>
</tr>
</tbody>
</table>

**Corrective Action:** Do the following:

1. Check any error messages that precede this one.
2. Check the network map.
3. Correct the ECAPARM configuration file.
4. Restart IOAGATE.

**ECAP19I NETWORK MAP(mapId) HAS BEEN PROCESSED SUCCESSFULLY**

**Explanation:** This information message indicates that the **mapId** network map of IOAGATE connections was successfully processed.

If a network map is specified in the ECAPARM configuration file, IOAGATE reads the map during initialization and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this map.

To get the name of the network map, the Control-O monitor loads the same ECAPARM configuration file.

In this message, **mapId** identifies the member in the IOA PARM library that determines the map of IOAGATE connections, and enables one IOAGATE to communicate with another over a multiple connection (MC) channel.

**Corrective Action:** No action is required.

**ECAP1AW NETWORK MAP(mapName) WAS SPECIFIED BUT NOT PROCESSED**

**Explanation:** The network map **mapName** that is specified in the ECAPARM configuration file by the NETWMAP parameter has not been processed.

Other messages may clarify why the map has not been processed.

The Control-O monitor continues its startup, but without communication services through IOAGATE.

**Corrective Action:** If possible, determine from other messages why the map has not been processed. Correct the problem and restart IOAGATE and Control-O.
ECAP1BW NETWORK MAP (OR NODE) WAS NOT SPECIFIED IN ECAPARM(suffix)

Explanation: The ECAPARM configuration file with suffix suffix has been defined for Control-O, but either the NETWMAP (network map name) parameter or the NODE parameter or both have not been specified in this ECAPARM file.

The Control-O monitor continues its startup but without communication services through IOAGATE.

Corrective Action: Specify both parameters, and restart IOAGATE and Control-O.

ECAP1XE DUPLICATE NODE nodeId DETECTED IN CHANNEL(channelId), CHANNEL DISABLED

Explanation: A duplicate node has been detected in the channelId channel, and IOAGATE has disabled that channel.

The variables in this message are:
- nodeId - the identity of the node that is duplicated
- channelId - the identity of the problematic channel

IOAGATE disables the channel that uses the indicated network map, and tries to continue processing.

Corrective Action: Correct the problem, using the diagnostics issued by the message, and restart IOAGATE.

ECAP20I IOAGATE-TO-IOAGATE CONNECTIONS NODE=node MAP=mapId APPL=CONTROL-O

Explanation: This message is the response to the F IOAGATE,MAP modify command, and is the header for ECAP22I messages.

The variables in this message are:
- node - the identity of the current local node for which IOAGATE-to-IOAGATE connections are displayed
- mapId - the name of the member in the IOAPARM library that determines the map of IOAGATE connections, and enables one IOAGATE to communicate with another over a multiple connection (MC) channel

Corrective Action: No action is required.

ECAP21I CHAN LUNAME LOGMODE PARTNER CONVERSATION ID STATUS

Explanation: This information message follows an ECAP20I message, which identifies the current local node, and is a header for ECAP22I messages, which specify the SNA connections that are available for the current local node.

The ECAP23I and ECAP24I messages may also follow.

This group of messages is displayed as a result of an F IOAGATE,MAP command.

Corrective Action: No action is required.
ECAP22I  channelId luName logmode partner_id conversation_id status

Explanation: This information message specifies one of the available SNA IOAGATE-to-IOAGATE connections for the current local IOAGATE, using the network map specified in the last ECAP20I message. The ECAP20I message precedes and acts as a header for a single ECAP22I message, or a group of ECAP22I messages.

If a network map was specified in the ECAPARM configuration file, IOAGATE reads the map during initialization and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this map.

The variables in this message are:
- **channelId** - the identity of the channel that controls the connection
- **luName** - the Logical Unit name of the partner IOAGATE
- **logmode** - the LOGMODE used by this connection
- **partner_id** - the conversation ID of the outgoing conversation
- **conversation_id** - the conversation identity of the incoming conversation
- **status** - Status of the connection Valid values are:
  - NOTALLOC - the conversation is not allocated.
  - ALLOCTED - the conversation is allocated.
  - ALLOCSND - the Send channel is allocated.
  - ALLOCRCV - the Receive channel is allocated.

Corrective Action: No action is required.

ECAP23I  CHAN TASK PARTNER PORT CONNECTOR STATUS SOCKET HOST

Explanation: This information message is a response to the F IOAGATE,CHAN modify command. It follows an ECAP20I message, which identifies the current local node, and is a header for ECAP24I messages, which identify the available TCP connections for the current local node.

Corrective Action: No action is required.

ECAP24I  channelId taskId partner port connector status socket host

Explanation: This information message specifies one of the available TCP/IP connections for the current local IOAGATE using the network map specified in the last ECAP20I message. The ECAP23I message precedes and acts as a header for a single ECAP24I message, or a group of ECAP24I messages.

If a network map was specified in the ECAPARM configuration file, IOAGATE reads the map during initialization and builds internal tables of connections in the main storage. The same network map is processed by a Control-O monitor and by each Control-O application server that participates in the communication described by this network map.

The variables in this message are:
- **channelId** - the identity of the channel that controls this TCP/IP connection
- **taskId** - the identity of the communication task of the channel that controls this TCP/IP connection
- **partner** - the identity of the node on which the partner IOAGATE is running
- **port** - the TCP/IP port number used to connect to the partner IOAGATE
- **connector** - the mode of the current local IOAGATE specified by the CONNECTOR parameter in a network map. Valid values are:
  - **LOCAL** - the current IOAGATE is an initiator of the connection to the partner IOAGATE, that is, CONNECTOR is set to LOCAL
  - **PARTNER** - the current IOAGATE is not an initiator of the connection to the partner IOAGATE, that is, CONNECTOR is set to PARTNER
  The current IOAGATE can accept connection from its partner IOAGATE.
  
- **status** - Status of the connection. Valid values are:
  - **HNDSHAKE RCVD** - A handshake message has been received.
  - **HNDSHAKE SENT** - A handshake message has been sent.
  - **CONNECTED** - A connection was successfully established with the partner IOAGATE.
  - **TAKING SOCKET** - The connection is being taken by the recipient communication task.
  - **CONNECTED/TAKE** - Connection has been established. The taking-socket process is about to be completed.
  - **GIVING SOCKET** - Connection is being giving by the Listener task of the channel to the recipient communication task.
  - **CONNECTED/GIVE** - Connection has been established. The giving-socket process is about to begin.
  - **GIVE REQUIRED** - Connection has been established. The giving-socket process is being requested.
  - **GIVE FAILED** - Connection has been established. The giving-socket process failed.
  - **H-SHAKE FAILED** - The handshaking process has failed.
  - **RETRYING** - The attempt to connect to the partner IOAGATE failed. Another attempt will be made in the time interval specified in the ALLOCINT parameter in the ECAPARM configuration file.
  - **CONNECTION IN PROGRESS** - A Connect action has been initiated.
  - **CONNECTING** - The Connect action is being processed.
  - **DISABLED** - The IOAGATE-to-IOAGATE connection entry is disabled.
  - **READY TO CONNECT** - The local IOAGATE is ready to begin a Connect action.
  - **WAITING FOR CONNECTION** - The local IOAGATE is ready to accept connection from its partner IOAGATE.
  - **DISCONNECTED** - The connection to the partner IOAGATE has been disrupted.
  - **RECONNECTED** - The connection has been re-established.
socket - the TCP/IP socket number assigned to connect (CONNECT is set to YES), or to be connected (CONNECT is set to NO) to the partner IOAGATE

host - The host name or IP address of the partner IOAGATE. This data exactly reflects the specification in the network map.

Corrective Action: No action is required.

ECAP30E APSERVER ENTRY(entryId), INVALID ALIAS APPLICATION CODE(applicId) SPECIFIED, ALIAS DISABLED

Explanation: An invalid application code was specified as an alias in the APPL=(,) parameter of an APSERVER definition.

The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE. The APPL parameter of an APSERVER statement can be used to specify a list of alias codes. Each alias code specifies an application that can be served by the same application server as the others in the list, concurrently with the main application.

The variables in this message are:

entryId - a sequential number that identifies the APSERVER definition entry in the ECAPARM configuration file

applicId - the invalid application code that was specified as an alias

The specified alias application code is ignored, and processing continues.

Corrective Action: Check the ECAPARM configuration file, correct the file, and restart IOAGATE.

ECAP31E ECAPRM INTERNAL ERROR, APPLICATION ALIASES PROCESSING FAILED

Explanation: An internal error occurred during the processing of application aliases specified in an APPL parameter of an APSERVER statement.

Corrective Action: Contact BMC Software Customer Support.

ECAP32E NO RAW APSERVER ENTRIES FOUND

Explanation: An internal error occurred when IOAGATE was processing the ECAPARM configuration file. No APSERVER entry was found in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

IOAGATE shuts down.

Corrective Action: Correct the ECAPARM configuration file, and restart IOAGATE. If the problem persists, contact BMC Software Customer Support.
ECAP33S ECAPRM INTERNAL ERROR WORK AREA, SIZE(size) EXCEEDED ALLOWED MAXIMUM 64K

**Explanation:** A severe internal error occurred during checking of the ECAPARM configuration file. The size of the internal work area is invalid.

In this message, `size` is the size of the internal work area that exceeded the maximum.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP34E PARAMETER ARMELEM=arm_element_id INVALID, IMPROPER CHARACTER(chara) SPECIFIED

**Explanation:** While processing the ECAPARM configuration file, an invalid character was detected in the ARMELEM parameter.

The variables in this message are:
- `arm_element_id` - the IOAGATE automatic restart management (ARM) element name
- `chara` - the invalid character detected in the IOAGATE ARM element

The ARMELEM parameter is ignored. Normal processing continues.

**Corrective Action:** Using the diagnostics issued by the message, correct the problem, and restart IOAGATE.

ECAP35S ECAPRM INTERNAL ERROR, APSERVER ENTRY(entryId), SERVER= VALUE NOT SPECIFIED

**Explanation:** A severe internal error occurred in the ECAPARM configuration file because no value was specified for the SERVER parameter in the APSERVER definition.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, `entryId` is a sequential number that identifies the APSERVER definition entry in the ECAPARM configuration file.

The specified APSERVER definition is disabled, and processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP37E MORE THAN 99 APPLICATION SERVERS DEFINED

**Explanation:** The number of APSERVER statements specified in the ECAPARM configuration file exceeds the maximum permitted. A maximum of 99 APSERVER statements may be specified in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

IOAGATE shuts down.
Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP38E APSERVER ENTRY(entryId), UNKNOWN APPL(value) SPECIFIED, SERVER DISABLED

Explanation: An invalid application name was specified in an APPL parameter of an APSERVER definition in the ECAPARM configuration file. During initialization, IOAGATE reads and verifies definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The identified APSERVER definition entryId is ignored. Processing continues.

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP39W CHANNEL(entryId), MAXIMUM NUMBER OF SERVERs PER CHANNEL(channelId) REACHED, APSERVER(server_id) DISABLED

Explanation: The number of APSERVER definitions linked to the identified channel exceeded the maximum number allowed, namely eight.

The identified APSERVER definition server_id is disabled. Processing continues.

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP3AE TOTAL NUMBER OF APPLICATION SERVER TASKS CANNOT EXCEED 500

Explanation: An internal error occurred because the number of application server tasks defined in the ECAPARM configuration file exceeds the maximum permitted. A maximum of 500 application server tasks may be defined in the ECAPARM configuration file.

Corrective Action: Contact BMC Software Customer Support.
ECAP3BE APSERVER ENTRY (entryId.entry_typ.model), IMPROPER CHANNEL(channel) SPECIFIED FOR THE APPL (applName), SERVER DISABLED

Explanation: The communication model in the ECAPARM configuration file in an APSERVER definition does not match the communication model of the referenced channel. During initialization, IOAGATE reads and verifies the definitions in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The variables in this message are:

- **entryId**: a sequential number that identifies the APSERVER definition entry in the ECAPARM configuration file
- **entry_typ**: the type of application server defined by this APSERVER statement. Valid values are:
  - CM - manager of the address space of an application server
  - CS - application server
  - CD - detector server
  - CU - updater server
- **model**: the communication model of the channel required by the application
- **channel**: the identity of the channel referenced from the APSERVER definition
- **applName**: the identity of the application server

The indicated APSERVER definition is ignored, and processing continues.

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP3CS NO APPLICATION SERVER DEFINED IN ECAPARM

Explanation: A severe internal error occurred during initialization. No application server was defined in ECAPARM.

IOAGATE shuts down.

Corrective Action: Define at least one application server in ECAPARM.

ECAP3DE APSERVER ENTRY(entryId), UNKNOWN CHANNEL(value) SPECIFIED, SERVER DISABLED

Explanation: The server is disabled because a channel reference in an APSERVER definition does not exist in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies the definitions from the ECAPARM configuration file. IOAGATE, and each application server that communicates with this IOAGATE, process the same ECAPARM configuration file.

The variables in this message are:
- **entryId** - the sequential number that identifies the APSERVER definition entry in the ECAPARM configuration file

- **value** - the invalid value specified by the user as a channel reference

The specified APSERVER definition is disabled, and processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP3EE APSERVER ENTRY(entryId), MANDATORY PARAMETER APPL=Was not specified, SERVER DISABLED**

**Explanation:** The server is disabled because no value was set for the APPL parameter in the APSERVER definition.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The IOAGATE, and each application server that communicates with this IOAGATE, process the same ECAPARM configuration file.

In this message, *entryId* is a sequential number that identifies the APSERVER definition entry in the ECAPARM configuration file.

The specified APSERVER definition is disabled. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP3FS INTERNAL ERROR. EXPANDED AND RAW APPL ENTRIES DIFFER**

**Explanation:** A severe internal error occurred during the processing of the ECAPARM configuration file. Differences were found between the expanded and the raw application entries.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

**ECAP3GW APSERVER ENTRY(entryId), IMPROPER COMPRESS=SPECIFIED(code), CHANGED TO DEFAULT(default_code)**

**Explanation:** The value of the COMPRESS parameter in the ECAPARM configuration file is invalid. The COMPRESS parameter must be set to YES or NO.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The variables in this message are:

- **entryId** - a sequential number that identifies the problematic APSERVER definition entry in the ECAPARM configuration file

- **code** - the current invalid value of the COMPRESS parameter

- **default_code** - the default value set by IOAGATE for the COMPRESS parameter for this application

The value specified for COMPRESS is replaced by the default value. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.
ECAP3HE APSERVER ENTRY(entryId), ENCRYPT= PARAMETER IS NOT SUPPORTED FOR applId

Explanation: A value cannot be set for the ENCRYPT parameter for the application applId.

The variables in this message are:

- entryId - a sequential number that identifies the problematic APSERVER definition entry in the ECAPARM configuration file
- applId - the identity of the application for which encryption is not supported

The value set for the ENCRYPT parameter is ignored. Processing continues.

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP41S NO CHANNEL ENTRY AVAILABLE

Explanation: A severe error occurred during checking of the ECAPARM configuration file. There is no valid CHANNEL definition in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

IOAGATE shuts down.

Corrective Action: Do the following:

1. Check any error messages that precede this one.
2. Correct the ECAPARM configuration file.
3. Restart IOAGATE.

ECAP42W CHANNEL ENTRY(entryId), MANDATORY PARAMETER ID= WAS NOT SPECIFIED, CHANNEL DISABLED

Explanation: The ID parameter is not specified for the indicated channel in the CHANNEL definition.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The specified CHANNEL definition is disabled, and normal processing continues.

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP43W CHANNEL ENTRY(entryId), MANDATORY PARAMETER MODEL= WAS NOT SPECIFIED, CHANNEL DISABLED

Explanation: The MODEL parameter is not specified for the indicated channel in the CHANNEL definition.
During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The specified CHANNEL definition is disabled, and normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP44W CHANNEL ENTRY(entryId), OPTIONAL PARAMETER SUBSYSTM= CAN BE USED WITH TCPVENDR=CA ONLY, PARAMETER IGNORED

**Explanation:** The optional SUBSYSTM parameter was specified in the ECAPARM configuration file with TCPVENDR set to IBM for an SNA channel or a TCP channel. The optional SUBSYSTM parameter is only valid for a TCP channel, and only with TCPVENDR set to CA.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The SUBSYSTM parameter is ignored, and normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP45W CHANNEL ENTRY(entryId), ID(channelId) NOT UNIQUE, CHANNEL DISABLED

**Explanation:** The same channel ID is used in more than one CHANNEL definition in the ECAPARM configuration file. The channel ID must be unique for each CHANNEL definition in the ECAPARM configuration file.

During initialization IOAGATE reads and verifies definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The variables in this message are:

- **entryId** - a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file
- **channelId** - the channel identity assigned by the user in the ECAPARM configuration file

The specified CHANNEL definition is disabled, and normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP46W CHANNEL ENTRY(entryId), MANDATORY PARAMETER PORT= WAS NOT SPECIFIED, CHANNEL DISABLED

**Explanation:** The PORT parameter is not specified for the indicated TCP channel in the CHANNEL definition.
During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The specified CHANNEL definition is disabled, and normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

```
ECAP47W APPL.SERVER (applServer.addrSpaceId) DISABLED IN ECAPARM(suffix)
```

**Explanation:** During initialization, IOAGATE detected that the value of the SERVER parameter in the ECAPARM configuration file is DISABLE for the specified application server applServer. Therefore it will not be started.

The SERVER parameter can be specified manually in the APSERVER definition of the ECAPARM configuration file to enable or disable the definition. The default value is ENABLE.

The variables in this message are:
- `applServer` - the name of the application server with the SERVER parameter set to DISABLE
- `addrSpaceId` - the internal identity assigned to the application server address space
- `suffix` - unique 1-character suffix identifying the ECAPARM configuration file that contains the SERVER parameter set to DISABLE

The specified application server is disabled. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

```
ECAP48W CHANNEL ENTRY(entryId), PARAMETERS APPLID= OR APPLIDS=(,) REQUIRED WHEN PROTOCOL=SNA AND MODEL=DC, CHANNEL DISABLED
```

**Explanation:** Either the APPLID or APPLIDS parameters is missing for the SNA channel entry in the ECAPARM configuration file. When the PROTOCOL parameter is SNA and the MODEL parameter is DC, either the APPLID or the APPLIDS parameter must be specified in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The specified CHANNEL definition is disabled. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.
ECAP49E CHANNEL ENTRY(entryId), MANDATORY PARAMETER PROTOCOL= WAS NOT SPECIFIED, CHANNEL DISABLED

Explanation: The PROTOCOL parameter is not defined for the specified channel.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The specified CHANNEL definition is disabled. Normal processing continues.

Corrective Action: Set a value for the PROTOCOL parameter in the ECAPARM configuration file and restart IOAGATE.

ECAP4AS TASK-TO-ATTACH ENTRY(x) CHANNEL(channelId) INVALID STDTYPE(type) IN DESCRIPTOR

Explanation: A severe internal error occurred during processing of the ECAPARM configuration file. IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP4BW CHANNEL(channelId) NUMBER OF SUPPORTED APPLICATIONS PER CHANNEL EXCEEDED MAXIMUM(num) APPLICATION(applicId) IGNORED

Explanation: Too many APSERVER definitions reference the same channel. During initialization, IOAGATE reads and checks the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The variables in this message are:

- channelId - the identity of the problematic channel
- num - the maximum number of applications each channel can support
- applicId - the identity of the application that exceeded the maximum number of applications

The identified application is ignored. Processing continues.

Corrective Action: Reduce the number of applications that reference the same channel, and restart IOAGATE.

ECAP4CW CHANNEL ENTRY(entryId) APPLID= NOT SPECIFIED, SNA CHANNEL DISABLED

Explanation: No APPLID parameter is specified for an SNA communication channel in the ECAPARM configuration file. For an SNA channel, an APPLID parameter must be specified. It may be specified with or without a NETWMAP parameter.
During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The specified CHANNEL definition is disabled. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4DW CHANNEL ENTRY(entryId), PORT=** VALUE MUST BE IN THE RANGE FROM 1024 THROUGH 65534

**Explanation:** This warning message indicates that the PORT parameter value specified in the ECAPARM configuration file is invalid.

The PORT parameter value must be in the range from 1024 through 65534.

In this message, entryId is the identity of the channel for which the PORT parameter was defined.

The specified channel is disabled and processing continues.

**Corrective Action:** Correct the value of the PORT parameter in the ECAPARM configuration file and restart IOAGATE.

**ECAP4EW CHANNEL ENTRY(entryId), SUBPARAMETERS OF APPLIDS= PARAMETER ARE EQUAL, CHANNEL DISABLED**

**Explanation:** The same subparameter value is specified twice for the APPLIDS parameter for the specified channel in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file.

The specified CHANNEL definition is disabled. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4FW CHANNEL ENTRY(entryId), SUBPARAMETER(subparm) OF APPLIDS= IS INVALID**

**Explanation:** An invalid subparameter is specified for the APPLIDS parameter for the channel entry in the ECAPARM configuration file.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The variables in this message are:


- **entryId** - a sequential number that identifies the problematic CHANNEL definition in the ECAPARM configuration file
- **subparm** - the identity of the invalid subparameter

The specified CHANNEL definition is disabled and normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

---

**ECAP4GE NO APPLICATION SERVER AVAILABLE**

**Explanation:** There is no valid APSERVER definition in the ECAPARM configuration file. If there are any APSERVER definitions in the ECAPARM configuration file, they are invalid or disabled.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

IOAGATE shuts down.

**Corrective Action:** Do the following:

1. Check any other error messages that precede this one.
2. Correct the ECAPARM configuration file.
3. Restart IOAGATE.

---

**ECAP4HS PROCESSING TABLE OF DEFAULTS(ECAPDEF) FAILED**

**Explanation:** A severe internal error occurred during the processing of the ECAPDEF table of numeric parameters defaults.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

---

**ECAP4IE ECAPARM(suffix) VALIDITY CHECK FAILED, handler WAS THE LAST WORKED PROCESSOR**

**Explanation:** One or more errors occurred during the processing of the ECAPARM configuration file. This caused the file to fail a validity check, and processing of the file stopped.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The variables in this message are:
- **suffix** - a 1-character suffix that identifies the ECAPARM configuration file
- **handler** - the subroutine that was last active during the processing of the ECAPARM configuration file

IOAGATE shuts down.

**Corrective Action:** Do the following:

1. Check other error messages that precede this one.
2. Correct the ECAPARM configuration file.
3. Restart IOAGATE.

ECAP4jW GATEWAY PARAMETER(parm) OUT OF RANGE(min-max), DEFAULT(defaultValue) SET

**Explanation:** When processing the GATEWAY section of the ECAPARM configuration file, IOAGATE detected that the value of the numeric parameter *parm* predefined in the ECAPDEF table of numeric defaults is invalid.

The variables in this message are:
- *parm* - the name of the parameter with the invalid value
- *min* - the minimum valid value of the *parm* parameter
- *max* - the maximum valid value of the *parm* parameter
- *defaultValue* - the default value of the *parm* parameter

The *parm* parameter is set to the default value *defaultValue*. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4KW entryType ENTRY(entryId), PARAMETER(parm) OUT OF RANGE(min-max), VALUE(value) SET

**Explanation:** When processing the ECAPARM configuration file, IOAGATE found that the value of the numeric parameter *parm* was invalid.

The variables in this message are:
- *entryType* - the section of the ECAPARM configuration file that contains the invalid parameter. Valid values are:
  - CHANNEL - the channel definitions section
  - APSERVER - the application server definitions section
- *entryId* - a sequential number that identifies the definition entry in the ECAPARM configuration file that contains the invalid parameter
- *parm* - the name of the invalid parameter
- *min* - the minimum valid value of the *parm* parameter
- *max* - the maximum valid value of the *parm* parameter
- *value* - the value of the *parm* parameter that has been set

The *parm* parameter is set to the default value *value*. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.
ECAP4LE entryType ENTRY(entryId), MANDATORY PARAMETER(parm) OUT OF RANGE(min -max)

**Explanation:** When processing the ECAPARM configuration file, IOAGATE found that the value of the mandatory numeric parameter `parm` was invalid.

The variables in this message are:

- `entryType` - the section of the ECAPARM configuration file that contains the invalid mandatory numeric parameter `parm`. Valid values are:
  - CHANNEL - the channel definitions section
  - APSERVER - the application server definitions section
- `entryId` - a sequential number that identifies the definition entry in the ECAPARM configuration file that contains the invalid parameter
- `parm` - the name of the invalid parameter
- `min` - the minimum valid value of the `parm` parameter
- `max` - the maximum valid value of the `parm` parameter

The `parm` parameter is ignored. IOAGATE tries to continue processing.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4ME entryType ENTRY(entryId), MANDATORY PARAMETER(parm) WAS NOT SPECIFIED

**Explanation:** When processing the ECAPARM configuration file, IOAGATE found that no value had been set for the mandatory parameter `parm`.

The variables in this message are:

- `entryType` - the section of the ECAPARM configuration file that contains the mandatory parameter `parm`. Valid values are:
  - CHANNEL - the channel definitions section
  - APSERVER - the application server definitions section
- `entryId` - a sequential number that identifies the definition entry in the ECAPARM configuration file that contains the parameter that lacks a value
- `parm` - the name of the mandatory parameter that lacks a value

The `parm` parameter is ignored. IOAGATE tries to continue processing.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4NE GATEWAY MANDATORY PARAMETER(parm) OUT OF RANGE(min -max)

**Explanation:** When processing the GATEWAY section of the ECAPARM configuration file, IOAGATE detected that the value of the mandatory numeric parameter `parm` is invalid.
The variables in this message are:

- `parm` - the name of the invalid parameter
- `min` - the minimum valid value of the `parm` parameter
- `max` - the maximum valid value of the `parm` parameter

The `parm` parameter is ignored. IOAGATE tries to continue processing.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4OE GATEWAY MANDATORY PARAMETER(`parm`) WAS NOT SPECIFIED**

**Explanation:** When processing the GATEWAY section of the ECAPARM configuration file, IOAGATE detected that no value had been set for the mandatory parameter `parm`.

In this message, `parm` is the name of the mandatory parameter that lacks a value.

The `parm` parameter is ignored. IOAGATE tries to continue processing.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4PE CHANNEL(`channelId`) NETWORK MAP REQUIRED BY APSERVER, APPL.SERVER(`applicId`) DISABLED**

**Explanation:** The channel `channelId` does not contain any network map specification. A network map specification is required by the application server `applicId` linked to this channel.

The variables in this message are:

- `channelId` - the identity of the problematic channel
- `applicId` - the identity of the application server that requires network map specification

The channel `channelId` is disabled. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4QW CHANNEL(`channelId`) DISABLED**

**Explanation:** When trying to process a network map specified in the channel `channelId`, IOAGATE found the channel disabled.

In this message, `channelId` is the identity of the disabled channel.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4RW APPL.SERVER(`applicId`) -add_space_id. `channelId`) DISABLED**

**Explanation:** The application server identified in the message is disabled.

The variables in this message are:
The identity of the disabled application
- the identity of the application server address space of the disabled application
- the identity of the channel to which the problematic application server was linked

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4SS ALL CHANNELS DISABLED, PROCESSING STOPPED
Explanation: IOAGATE monitor has shut down, because all channels were disabled during the processing of the ECAPARM configuration file.
IOAGATE has shut down.
Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4TE CHANNEL(channelId) DISABLED, PARAMETER BIND= CANNOT BE SPECIFIED FOR SNA CHANNEL
Explanation: The TCP parameter BIND has been specified for channelId, an SNA channel. This channel has been disabled. The TCP parameter BIND cannot be specified for a SNA channel.
In this message, channelId is the identity of the disabled channel.
The channel is disabled. Normal processing continues.
Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4UE CHANNEL(channelId) DISABLED, BAD IP ADDRESS SPECIFIED IN BIND= PARAMETER
Explanation: An invalid IP address was specified in the BIND parameter.
In this message, channelId is the identity of the TCP channel that detected the problem.
The channel is disabled. Processing continues.
Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4VS ALL CHANNELS DISABLED, monitorId IS GOING DOWN.
Explanation: IOAGATE monitor is shutting down because all channels have become disabled.
In this message, monitorId is the STC name of the IOAGATE started task.
IOAGATE shuts down.
Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

ECAP4WS VALUE OF THE parm NUMERIC PARAMETER(val) EXCEEDS WORKABLE MAXIMUM
Explanation: When processing the ECAPARM configuration file, IOAGATE found that the value val set for the numeric parameter parm exceeds a workable maximum.
The variables in this message are:
- **parm** - the identity of the parameter in which the error was found
- **val** - the invalid value of the problematic parameter

The parm parameter is ignored. Normal processing continues.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4XS** `entry_typ NUMERIC PARAMETER(parm) NOT FOUND IN ECAPDEF`

**Explanation:** A severe internal error occurred during the processing of the ECAPDEF table of numeric parameter defaults. A numeric parameter was not found in the ECAPARM configuration file.

The variables in this message are:
- **entry_typ** - the name of the section of the ECAPARM configuration file that should contain the **parm** parameter. Valid values are:
  - GATEWAY - the global IOAGATE definitions section
  - CHANNEL - the channel definitions section
  - APSERVER - the application server definitions section
- **parm** - the identity of the problematic parameter

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

**ECAP4YE** `CHANNEL(channelId) DISABLED, PARAMETER SHRDBIND= CANNOT BE SPECIFIED FOR SNA CHANNEL`

**Explanation:** The TCP parameter SHRDBIND was encountered in an SNA channel. The TCP parameter SHRDBIND cannot be specified for an SNA channel.

In this message, **channelId** is the identity of the TCP channel that detected the problem.

IOAGATE disables the specified channel and tries to continue normal processing.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4ZW** `CHANNEL ENTRY(channelId), LOGINMSG= CANNOT BE SPECIFIED FOR THE DC CHANNEL, PARAMETER IGNORED`

**Explanation:** The LOGINMSG parameter was specified for the **channelId** channel, but **channelId** is not an MC channel.

The LOGINMSG parameter can only be specified for an MC channel.

IOAGATE disables the LOGINMSG parameter. Normal processing continues.

**Corrective Action:** Correct the channel definition.

**ECAP50I** `ECAPARM(suffix) HAS BEEN PROCESSED SUCCESSFULLY`

**Explanation:** This information message indicates that processing of the ECAPARM configuration file has ended successfully.
During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, *suffix* is a 1-character suffix that identifies the ECAPARM configuration file.

**Corrective Action:** No action is required.

ECAP51S PROCESSING OF ECAAPPL(*suffix*) SUPPORTED APPLICATIONS TABLE HAS FAILED

**Explanation:** A severe error occurred during the processing of the internal table of applications supported by IOAGATE.

During initialization, IOAGATE reads and verifies the declarations specified in the internal table of applications supported by IOAGATE. The same table is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, *suffix* is a unique 1-character suffix that identifies an ECAAPPL table of supported applications.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP52I ECAAPPL(*suffix*) SUPPORTED APPLICATIONS TABLE HAS BEEN PROCESSED SUCCESSFULLY

**Explanation:** This information message indicates that processing of the internal table of the applications supported by the IOAGATE succeeded.

During initialization, IOAGATE reads and verifies the declarations specified in the internal table of applications supported by IOAGATE. The same table is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, *suffix* is a unique 1-character suffix that identifies an ECAAPPL table of supported applications.

**Corrective Action:** No action is required.

ECAP53S ECAPRM INTERNAL ERROR, DESCRIPTOR ADDRESS UNAVAILABLE

**Explanation:** A severe internal error occurred during the processing of the ECAPARM configuration file. A descriptor address was not found.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP54S ECAPRM INTERNAL ERROR, FAILURE TO LOCATE MCT TOKEN

**Explanation:** A severe internal error occurred during processing of the ECAPARM configuration file. An MCT token was not found.

IOAGATE shuts down.
Corrective Action: Contact BMC Software Customer Support.

ECAP55W APSERVER( applicId ), PARAMETER parm ( val ) CANNOT BE MODIFIED WITH VERSION( version )

Explanation: The specified parameter parm cannot be modified by the VERSION parameter, because the value of parm already has eight characters, which is the maximum. The VERSION parameter modifies a parameter by adding a 1-character version code to the existing value.

During initialization, IOAGATE reads and verifies the declarations specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The variables in this message are:

- applicId - the identity of the application
- parm - the parameter to be modified
- val - the current value of the parameter
- version - the value of the VERSION parameter that cannot be used

The VERSION parameter is ignored and processing continues.

Corrective Action: Correct the value assigned to VERSION and restart IOAGATE.

ECAP56S THERE IS A SEVERE STRUCTURE ERROR IN ECAAPPL( suffix ) SUPPORTED APPLICATIONS TABLE

Explanation: A severe internal error occurred during ECAAPL processing. The structure of the internal table of applications supported by IOAGATE was found to be invalid.

During initialization, IOAGATE reads and verifies the declarations specified in the internal table of applications supported by IOAGATE. The same table is processed by IOAGATE and by each application server that communicates with this IOAGATE.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP57W APPL APSERVER ENTRY( entryId ), ALIAS= VALUE CAN BE DEFINED IN CM ENTRY ONLY

Explanation: The value specified for the ALIAS parameter in the internal table of supported applications is valid only for a CM type application server.

During initialization, IOAGATE reads and verifies the declarations specified in the internal table of applications supported by IOAGATE. The same table is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, entryId is a sequential number that identifies the problematic APSERVER definition in the internal table of supported applications.

Initialization continues.

Corrective Action: Contact BMC Software Customer Support.
ECAP58S ECAPRM INTERNAL ERROR, BAD MCT ADDRESS OBTAINED

Explanation: A severe internal error occurred during the processing of the ECAPARM configuration file. The MCT address is not valid.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP59E APPL APSERVER(applicId), CMPRSTYP= PARAMETER IS A MUST WHEN COMPRESS=YES SPECIFIED

Explanation: An internal error encountered during the processing of the ECAAPPL table of internal parameters. The CMPRSTYP parameter is not specified in the internal table of supported applications, but the COMPRESS parameter is set to YES.

During initialization, IOAGATE reads and verifies the declarations specified in the internal table of applications supported by the IOAGATE. The same table is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, applicId is the problematic APSERVER definition in the internal table of supported applications.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP5AE ECAPARM (suffix) PROCESSING FAILED, RC=rc

Explanation: An internal error occurred during the processing of the ECAPARM configuration file.

The variables in this message are:

- suffix - a 1-character suffix that identifies a unique ECAPARM configuration file used in this IOAGATE run
- rc - a return code indicating the failure level

Valid values for rc are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>An error occurred during ECAPARM processing. The ECAPARM processor is able to continue ECAPARM processing.</td>
</tr>
<tr>
<td>12</td>
<td>An error occurred during ECAPARM processing. The ECAPARM processor is NOT able to continue ECAPARM processing.</td>
</tr>
</tbody>
</table>

As indicated in the valid values for rc.

Corrective Action: Do the following:

1. Examine the IOAGATE logs, and try to determine the cause of the problem.
2. If possible, correct the problem and restart IOAGATE.
3. If the problem persists, contact BMC Software Customer Support.
ECAP5BS ECAAPL INTERNAL ERROR, ECAAPPL DESCRIPTOR ADDRESS UNAVAILABLE

Explanation: A severe internal error occurred during the processing of the specified table of internal parameters during initialization. The ECAAPL internal routine did not get the address of the ECAAPPL descriptor.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP5CS ECAAPL INTERNAL ERROR, NO PARAMETERS OBTAINED

Explanation: A severe internal error occurred during the processing of the specified table of internal parameters during initialization. The ECAAPL internal routine did not get the parameters it needs to process the internal table of supported applications.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP5DS ECAAPL INTERNAL ERROR, NO APPLICATION ENTRY OBTAINED

Explanation: A severe internal error occurred during the processing of the specified table of internal parameters during initialization. The ECAAPL internal routine did not get the application entry it needs to process the internal table of supported applications.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP5EE IMPROPER CHANNEL(channelId.protocol) SPECIFIED FOR APPL.SERVER (applServer.addrSpaceId), APPL.SERVER DISABLED

Explanation: The channel specified by the CHANID parameter in an APSERVER definition in the ECAPARM configuration file is not appropriate for the application declared by the definition.

During initialization, IOAGATE reads and checks the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

The indicated application server applServer is disabled and processing continues.

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.

The variables in this message are:

- channelId - the identity of the problematic channel
- protocol - the communication protocol of the problematic channel
- applServer - the identity of the problematic application server
- addrSpaceId - the internal identity of the problematic application server address space

The indicated application server applServer is disabled and processing continues.

Corrective Action: Correct the ECAPARM configuration file and restart IOAGATE.
ECAP5FS ECAAPL INTERNAL ERROR, FAILURE TO LOCATE MCT TOKEN

**Explanation:** A severe internal error occurred during the processing of the specified table of internal parameters during initialization. The ECAAPL internal routine did not find the MCT token. IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP5GI ECAPARM(suffix) CONFIGURATION FILE HAS BEEN PROCESSED WITH RC(04)

**Explanation:** This information message indicates that processing of the ECAPARM configuration file has ended with minor errors.

During initialization, IOAGATE reads and verifies the definitions specified in the ECAPARM configuration file. The same ECAPARM configuration file is processed by IOAGATE and by each application server that communicates with this IOAGATE.

In this message, `suffix` is a 1-character suffix that identifies the ECAPARM configuration file.

**Corrective Action:** Correct the ECAPARM configuration file and restart IOAGATE.

ECAP60I ECASRVT SERVICES TABLE HAS BEEN PROCESSED SUCCESSFULLY

**Explanation:** This information message indicates that processing of the ECASRVT internal table of services succeeded. During initialization, IOAGATE processes the ECASRVT internal table of services or request types supported by IOAGATE.

**Corrective Action:** No action is required.

ECAP61S PROCESSING OF ECASRVT SERVICES TABLE FAILED

**Explanation:** Processing of the ECASRVT internal table of services or types of transactions supported by IOAGATE failed. This is a severe internal error.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP6BS ECASRV INTERNAL ERROR, ECASRVT DESCRIPTOR ADDRESS UNAVAILABLE

**Explanation:** This is a severe internal error. The ECASRV internal routine did not get a descriptor address to process during processing of the ECASRVT internal table of services.

IOAGATE shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP6CS ECASRV INTERNAL ERROR, NO PARAMETERS OBTAINED

**Explanation:** This is a severe internal error. The ECASRV internal routine did not get any parameters during processing of the ECASRVT internal table of services.
IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP6DS ECASRV INTERNAL ERROR, NO SERVICE ENTRY OBTAINED

Explanation: This is a severe internal error. The ECASRV internal routine did not get any entry to process during processing of the ECASRVT internal table of services.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP6FS ECASRV INTERNAL ERROR, FAILURE TO LOCATE MCT TOKEN

Explanation: This is a severe internal error. The ECASRV internal routine could not find an MCT token during processing of the ECASRVT internal table of services.

IOAGATE shuts down.

Corrective Action: Contact BMC Software Customer Support.

ECAP80S CHANNEL(channelId:TCP) HAS GONE DOWN DUE TO NO COMTASK AVAILABLE

Explanation: This is a severe error that can be issued for a multiple connection (MC) TCP communication channel only. All communication tasks that belong to the specified channel terminated.

In this message, channelId is the identity of the problematic channel.

This message follows ECAP88S. For more information, see messages ECAP86W, ECAP87W and ECAP88S. The multiple connection (MC) TCP channel goes down, and processing continues.

Corrective Action: Do the following:
1. Examine IOAGATE logs to try to determine why the communication tasks went down.
2. If possible, correct the problem and restart IOAGATE.
3. If the problem persists, contact BMC Software Customer Support.

ECAP82S CHANNEL(channelId:TCP) NO COMTASK INITIALIZED DURING LAST interval sec

Explanation: A severe error was encountered during initialization of the multiple connection TCP channel. No communication task launched by the channel started during the specified time interval.

The variables in this message are:

- channelId - the identity of the problematic TCP channel
- interval - the time interval (in seconds) during which no communication task succeeded in initializing

The specified TCP channel goes down. IOAGATE tries to continue processing.

Corrective Action: Do the following:
ECAP83W CHANNEL(channelId.TCP) DISABLED

**Explanation:** This message warns that the channelId MC TCP channel has been disabled because an EADDRINUSE error occurred while IOAGATE was trying to bind the port specified in the BIND parameter in ECAPARM.

**Corrective Action:** No action is required.

ECAP86W CHANNEL(channelId.TCP) COMTASK(taskId) CANNOT BE STARTED ANY MORE, THRESHOLD OF RESTARTS(threshold) REACHED

**Explanation:** A communication task of a multiple connection TCP channel has already shut down and restarted the maximum number of times. When an error prevents a TCP communication task from working normally, the TCP channel tries to resolve the problem by recycling the task. However, beyond a defined limit, the TCP channel assumes a severe problem, and prevents further recycling of the task.

This message can be issued for a multiple connection TCP channel only.

The variables in this message are:
- channelId - the identity of the channel that has the problematic task
- taskId - the internal identity of the problematic TCP communication task
- threshold - the internally defined maximum number of times to recycle a communication task

**Corrective Action:** Do the following:
1. Examine the IOAGATE logs to try to determine the cause of the failure.
2. If possible, correct the problem and restart IOAGATE.
3. If the problem persists, contact BMC Software Customer Support.

ECAP87W CHANNEL(channelId.TCP) num COMTASKS AMONG(channel_amount) DEFINED TO CHANNEL TERMINATED

**Explanation:** The specified number (num) of communication tasks became unavailable to a multiple connection (MC) TCP communication channel. A serious problem may be preventing the specified TCP channel from working properly. An ECAP86W message is issued before this message for each communication task that terminated.

This message can only be issued for a multiple connection (MC) TCP communication channel.

The variables in this message are:
- channelId - the identity of the problematic channel
- num - the number of communication tasks that terminated
- channel_amount - the number of communication tasks configured to the specified channel

**Corrective Action:** Do the following:
1. Examine the IOAGATE logs to try to determine the cause of the failure.
2. If possible, correct the problem and restart IOAGATE.
3. If the problem persists, contact BMC Software Customer Support.

**ECAP88S CHANNEL(\texttt{channelId}.TCP) ALL COMTASKS DEFINED TO CHANNEL(\texttt{num}) TERMINATED**

**Explanation:** No more active communication tasks are available for the specified channel. All communication tasks terminated, and none is allowed to restart. ECAP86W warning messages were previously issued for each communication task that went down. This message precedes message ECAP80S. For more information, see message ECAP86W.

This message can only be issued for a multiple connection (MC) TCP communication channel.

The variables in this message are:

- \texttt{channelId} - the identity of the problematic channel
- \texttt{num} - the number of communication tasks configured to the specified channel in the ECAPARM configuration file

The specified channel goes down and processing continues. If the indicated channel is the only one configured to IOAGATE, IOAGATE shuts down.

**Corrective Action:** Do the following:

1. Examine the IOAGATE logs to try to determine the cause of the failure.
2. If possible, correct the problem and restart IOAGATE.
3. If the problem persists, contact BMC Software Customer Support.

**ECAP90I ECAIPLS(\texttt{suffix}) IP LIST HAS BEEN \{PROCESSED | REFRESHED\} SUCCESSFULLY FOR CHANNEL(\texttt{channel})**

**Explanation:** This information message indicates that the IP list member was specified in the ECAPARM member for channel \texttt{channel} by means of the IPLIST parameter, and the IP list member was processed or refreshed (if the REFRESH command was issued) successfully.

The variables in this message are:

- \texttt{suffix} - one-character suffix used to specify the individual ECAIPLS x IP list member name
- \texttt{channel} - channel identity that the indicated ECAIPLS x IP list specified

**Corrective Action:** No action is required.

**ECAP91I CHANNEL(\texttt{channel}) ECAIPLS(\texttt{suffix}) IP LIST MEMBER IS BEING CHECKED**

**Explanation:** This information message indicates which specific IP list member is being processed. The message is issued in DAIGLOG output as a header for the group of ECAP93I messages issued for each line in the IP list member.

The variables in this message are:
channel - channel identity for which the indicated ECAIPLS x IP list was specified

suffix - one-character suffix used to specify the individual ECAIPLS x IP list member name

Corrective Action: No action is required.

**ECAP92I END OF ECAIPLS(suffix) IP LIST MEMBER**

Explanation: This information message indicates which specific IP list member was processed. The message is issued in DAIGLOG output as a footer after the group of ECAP93I messages issued for each line in the IP list member.

In this message, suffix is a one-character suffix used to specify the individual ECAIPLS x IP list member name.

Corrective Action: No action is required.

**ECAP93I indication number: IPListLine**

Explanation: This information message is issued in DAIGLOG output for each source IPListLine in the IP list member.

The variables in this message are:

- **indication** - a short string indicating the result of a source IPListLine processing

Valid values of indication are:

<table>
<thead>
<tr>
<th>indication</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>no indication</td>
<td>Indicates that no error was detected in an IP list source line.</td>
</tr>
<tr>
<td>ERROR code FOUND</td>
<td>Indicates that an error with hexadecimal code code was found in an IP list source line. When such an indication is issued, message ECAP94I follows message ECAP93I and specifies an approximate column where the error detected. Additionally, another error message follows message ECAP94I to specify the exact reason for the error.</td>
</tr>
<tr>
<td>RECORD IGNORED</td>
<td>Indicates that an IP list source line was ignored because another line in the IP list repeats the current line. Message ECAP98W that follows message ECAP93I specifies the sequential number of the duplicate line.</td>
</tr>
<tr>
<td>ALLOW IGNORED</td>
<td>Indicates that an IP list source line was ignored because there is a FORBID line in the IP list that was specified for the same IP address and a mask. Message ECAP9CE that follows message ECAP93I specifies the number of the FORBID line.</td>
</tr>
<tr>
<td>COMMENT LINE</td>
<td>Indicates that an IP list source line has an asterisk in the first column. The line is not processed.</td>
</tr>
<tr>
<td>BLANKED LINE</td>
<td>Indicates that an IP list source line contains no valid characters. The line is not processed.</td>
</tr>
</tbody>
</table>
- number - the sequential number of an IP list source line
- IPListLine - the contents of an IP list source line

**Corrective Action:** No action is required.

**ECAP94I** NEAR COLUMN NUM.column:

**Explanation:** This information message is issued in DAIGLOG output. It follows message ECAP93I when an error is detected in an IP list source line and indicates the approximate column where the error was detected. The message is issued for a source IP line when an error is detected in the line.

In this message, *column* is the approximate sequential number of the column in the IP list source line where the error was detected.

**Corrective Action:** No action is required.

**ECAP95E** EMPTY section SECTION

**Explanation:** No character was found between dots that form a section in a mask or IP address in the IP list source line indicated by message ECAP93I.

In this message, *section* is a portion of a mask or an IP address string between dots. Valid values are:

- ADDRESS
- MASK

The following system actions occur:

- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** Correct the IP list member and try again.

**ECAP96E** VALUE IN SECTION EXCEEDS 255

**Explanation:** A value specified in a separate section of a mask or IP address exceeds 255 in the IP list source line indicated by message ECAP93I. The section is a portion of a mask or an IP address string between dots.

The following system actions occur:

- Processing continues.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Correct the IP list member and try again.

**ECAP97E** WRONG USAGE OF AN ASTERISK IN section

**Explanation:** An asterisk was improperly specified in a separate section of a mask or IP address in an IP list source line indicated by message ECAP93I. An asterisk can be specified in the first through fourth contiguous right-to-left sections of an IP address. An asterisk in a mask is not allowed.

In this message, *section* is a portion of a mask or an IP address string between dots. Valid values are:
ADDRESS

MASK

The following system actions occur:

- Processing continues.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Correct the IP list member and try again.

**ECAP98E WRONG NUMBER OF SECTIONS IN {ADDRESS | MASK}**

**Explanation:** The number of sections in a mask or IP address is not exactly four in the IP list source line indicated by message ECAP93I.

The following system actions occur:

- Processing continues.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Correct the IP list member and try again.

**ECAP99E NEITHER ALLOW NOR FORBID STATEMENT**

**Explanation:** A main keyword in the IP list source line indicated by message ECAP93I could not be identified. Each valid IP line must have either ALLOW or FORBID as a keyword.

The following system actions occur:

- Processing continues.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Correct the IP list member and try again.

**ECAP9AE INVALID CHARACTER DETECTED**

**Explanation:** An invalid character was detected in the IP list source line indicated by message ECAP93I. Message ECAP94I, which precedes message ECAP9AE, specifies the exact column where the invalid character was detected.

The following system actions occur:

- Processing continues.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Correct the IP list member and try again.

**ECAP9BW DUE TO DUPLICATE RECORD NUMBER: number**

**Explanation:** An IP list source line was ignored because there is a duplicate line in the IP list. In this message, `number` is the number of the duplicate IP list source line.

**Corrective Action:** Correct the IP list member and try again.
ECAP9CW DUE TO FORBID RECORD NUMBER: number SPECIFIED FOR THE SAME ADDRESS

Explanation: This warning indicates that the ALLOW IP list source line was ignored because the FORBID line in the IP list was specified for the same IP address and a mask as in the ignored line.

In this message, number is the number of the FORBID line in the IP list.

Corrective Action: Correct the IP list member and try again.

ECAP9DE WRONG MASK: INCONSECUTIVE (FROM LEFT TO RIGHT) BITS DETECTED

Explanation: Inconsecutive bits were detected in a mask specified in the IP list source line that was indicated by message ECAP93I. The mask should be built with consecutive, left-to-right bits only.

The following system actions occur:

- Processing continues.
- The channel for which the IP list is defined is disabled.

Corrective Action: Correct the IP list member and try again.

ECAP9ES SEVERE ERROR ENCOUNTERED; ROUTINE(routine) RC(rc) REASON(reason)

Explanation: A severe error, with an rc return code and reason reason, was detected by the routine internal routine.

The variables in this message are:

- routine - the name of the routine in which the indicated error case was detected. Valid values for routine are:
  - IOAPICV
  - IOAIPLS
  - IOAIPSH
- rc - a non-zero error return code
- reason - the hexadecimal error code specifying an exact error case.

The following system actions occur:

- Processing stops.
- The channel for which the IP list is defined is disabled.

Corrective Action: Contact BMC Software Customer Support.
ECAP9FS INTERNAL ERROR ENCOUNTERED; ROUTINE(*routine*) RC(*rc*) REASON(*reason*)

**Explanation:** A severe internal error, with an *rc* return code and *reason* reason, was detected by the *routine* internal routine.

The variables in this message are:

- **routine** - the name of the routine in which the indicated error case was detected. Valid values for routine are:
  - IOAIPCV
  - IOAIPLS
  - IOAI PSH
- **rc** - a non-zero error return code
- **reason** - the hexadecimal error code specifying an exact error case.

The following system actions occur:

- Processing stops.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP9GE IOAMEM SERVICE DETECTED AN ERROR; ROUTINE(*routine*) RC(*rc*) REASON(*reason*)

**Explanation:** The IOAMEM service detected an error when handling an IP list member. The IOAMEM routine is used when reading PDS members.

The variables in this message are:

- **routine** - the name of the routine in which the indicated error case was detected. Valid values for routine are:
  - IOAIPLS
  - IOAIPSH
- **rc** - a non-zero error return code
- **reason** - the hexadecimal error code specifying an exact error case.

The following system actions occur:

- IP list processing stops.
- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** If it is not possible to locate the source of the error, contact BMC Software Customer Support.
ECAP9HW SYNTAX ERROR DETECTED IN ECAIPLS(suffix) IP LIST MEMBER, CHANNEL(channel)

**Explanation:** A syntax error was detected in an IP list member. Detailed messages specifying both the exact error and its location are issued in DAIGLOG output. See message ECAP93I.

The variables in this message are:
- `suffix` - the one-character suffix used to specify the individual ECAIPLS x IP list member name.
- `channel` - the channel identity for which the indicated ECAIPLS x IP list is specified.

The following system actions occur:
- Processing continues.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Correct the IP list member and try again.

ECAP9IS UNKNOWN ERROR ENCOUNTERED; ROUTINE(routine) RC(rc) REASON(reason)

**Explanation:** An unknown error, with an `rc` return code and `reason` reason, was detected by the `routine` internal routine.

The variables in this message are:
- `routine` - the name of the routine in which the indicated error case was detected. Valid values for `routine` are:
  - IOAI PCV
  - IOAIPLS
  - IOAIPSH
- `rc` - a non-zero error return code
- `reason` - the hexadecimal error code specifying an exact error case.

The following system actions occur:
- IP list processing stops.
- The channel for which the IP list is defined is disabled.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP9JE FAILURE TO LOAD MODULE module

**Explanation:** The `module` module failed to load.

In this message, `module` is the name of the module that failed to load.

The following system actions occur:
IP list processing stops.
The channel for which the IP list is defined is disabled.

**Corrective Action:** Contact BMC Software Customer Support.

ECAP9KE SPECIFIED IP LIST MEMBER ECAIPLS(*suffix*) DOES NOT EXIST, CHANNEL(*channel*)

**Explanation:** The specified IP list member could not be located in a dataset allocated by DAPARM DD statement.

The variables in this message are:
- *suffix* - the one-character suffix used to specify the individual ECAIPLS x IP list member name.
- *channel* - the channel identity for which the indicated ECAIPLS x IP list is specified

The following system actions occur:
- IP list processing stops.
- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9LE EMPTY IP LIST MEMBER ECAIPLS(*suffix*) SPECIFIED, CHANNEL(*channel*)

**Explanation:** The specified IP list member was found to be empty.

The variables in this message are:
- *suffix* - the one-character suffix used to specify the individual ECAIPLS x IP list member name.
- *channel* - the channel identity for which the indicated ECAIPLS x IP list is specified

The following system actions occur:
- IP list processing stops.
- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9ME INVALID IP LIST MEMBER *member(*suffix*)* NAME SPECIFIED, CHANNEL(*channel*)

**Explanation:** This error message indicates that an invalid name was specified for the *channel* channel in ECAPARM as an IP list. A valid name should be ECAIPLS(*suffix*).

The variables in this message are:
The following system actions occur:
- IP list processing stops.
- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9NE MORE THAN 999 RECORDS SPECIFIED IN IP LIST MEMBER ECAIPLS(suffix), CHANNEL(channel)

**Explanation:** The specified IP list member contains more than 999 lines.

The variables in this message are:
- `suffix` - the one-character suffix used to specify the individual ECAIPLS x IP list member name.
- `channel` - the channel identity for which the indicated ECAIPLS x IP list is specified

The following system actions occur:
- IP list processing stops.
- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9OE THERE IS NO VALID RECORD IN SPECIFIED IP LIST MEMBER ECAIPLS(suffix), CHANNEL(channel)

**Explanation:** No valid lines were found in the specified IP list member.

The variables in this message are:
- `suffix` - the one-character suffix used to specify the individual ECAIPLS x IP list member name.
- `channel` - the channel identity for which the indicated ECAIPLS x IP list is specified

The following system actions occur:
- IP list processing stops.
- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** Correct the IP list member and try again.
ECAP9PE HEADER RECORD NOT FOUND IN SPECIFIED IP LIST MEMBER ECAIPLS(suffix), CHANNEL(channel)

**Explanation:** No header record was found in the specified IP list member. The IP list member must have ALLOW * or FORBID* as its first valid record.

The variables in this message are:
- `suffix` - the one-character suffix used to specify the individual ECAIPLS x IP list member name.
- `channel` - the channel identity for which the indicated ECAIPLS x IP list is specified

The following system actions occur:
- IP list processing stops.
- The channel for which the IP list is defined is disabled.
- Processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9QW FAILURE TO REFRESH IP LIST MEMBER ECAIPLS(suffix) FOR CHANNEL(channel)

**Explanation:** The F monitor,REFRESH=IPListMember modify command was issued but was unsuccessful, probably due to syntax errors detected in the specified IP list member.

The variables in this message are:
- `suffix` - the one-character suffix used to specify the individual ECAIPLS x IP list member name.
- `channel` - the channel identity for which the indicated ECAIPLS x IP list is specified

The following system actions occur:
- No changes are performed.
- Normal processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9RW CANNOT REFRESH MEMBER member: NOT DEFINED IN A CHANNEL

**Explanation:** The F monitor,REFRESH=IPListMember modify command specified an IP list member name that is not defined in any channel.

In this message, `member` is the IP list (ECAIPLS x) member name.

No changes are performed. Normal processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9SE REFRESH FOR(member) FAILED WITH RC(rc) REASON(reason)

**Explanation:** The F monitor,REFRESH=IPListMember modify command was issued but was unsuccessful, probably due to internal errors encountered when processing the specified IP list member.
The variables in this message are:

- **member** - the IP list (ECAIPLS x) member name.
- **rc** - the return code value
- **reason** - the cause of the error

No changes are performed. Normal processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9TE WRONG OR NO VALID DATA

**Explanation:** Wrong or invalid data was detected in the IP list source line indicated by message ECAP93I.

No changes are performed. Normal processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAP9UE INVALID IPV6 RECORD

**Explanation:** A string in an IP source line contains the colon (:) character, but is not a syntactically valid IPv6 address.

The following system actions occur:

- If the error occurs during IOAGATE startup, the channel for which the IP list is defined is disabled. If it is the only channel, then IOAGATE will terminate.
- If the error occurs during a MODIFY REFRESH command, the refresh fails, but processing continues.

**Corrective Action:** Correct the IP list member and try again.

Use the following valid IPv6 address formats:

- full 39-character format, for example:
  - AA12:EF01:2345:FDD6:ABCD:EF01:2345:6789,
- zero-suppressed formats, for example:
  - 2001:DB8:0:0:8:800:200C:417A
  - 2001:DB8::8:800:200C:417A
  - ::1

Do not use ‘/’ to abbreviate addresses.

Do not use IPv4-mapped IPv6 addresses. For example:

- ::ffff:137.72.214.55 – incorrect
- 137.72.214.55 – correct representation of the above address

ECAP9VE INVALID IPV6 ADDRESS RANGE

**Explanation:** An IP source line contains a range of IPv6 addresses, but the second address is not higher than the first address.
If the range was specified in 2 lines:

- ALLOWTO or FORBIDTO was specified before ALLOWFR or FORBIDFR, respectively.
- ALLOWFR was not followed immediately by ALLOWTO, or FORBIDFR by FORBIDTO.

The following system actions might occur:

- If the error occurs during IOAGATE startup, the channel for which the IP list is defined is disabled. If it is the only channel, then IOAGATE will terminate.
- If the error occurs during a MODIFY REFRESH command, the refresh fails but processing continues.

**Corrective Action:** Correct the IP list member and try again.

ECAPA1E KEYRING PARAMETER IS A MUST IF SSL=YES SPECIFIED, CHANNEL( channelId ) DISABLED

**Explanation:** When SSL=YES is specified in the ECAPARM configuration file, the KEYRING parameter must also be specified.

In this message, `channelId` is the identity of the channel.

The channel is disabled. If there are no other enabled channels in IOAGATE, IOAGATE shuts down.

**Corrective Action:** Specify a KEYRING parameter.

ECAPA2E USERID/KEYRING PARAMETER INVALID, CHANNEL( channelId ) DISABLED

**Explanation:** The syntax of the KEYRING parameter is invalid.

In this message, `channelId` is the identity of the channel.

The channel is disabled. If there are no other enabled channels in IOAGATE, IOAGATE shuts down.

**Corrective Action:** Specify a proper KEYRING parameter. Refer to the chapter about installing IOA in the *INCONTROL for z/OS Installation Guide*.

ECAPA3E SSL NOT SUPPORTED BY IOAGATE IN z/OS LEVEL LOWER THAN z/OS 1.4, CHANNEL( channelId ) DISABLED

**Explanation:** SSL support in IOAGATE requires z/OS 1.4 or later.

In this message, `channelId` is the identity of the channel.

The channel is disabled. If there are no other enabled channels in IOAGATE, IOAGATE shuts down.

**Corrective Action:** Specify SSL=NO in the ECAPARM configuration file.

ECAPB1I PARAMETER xxxxxx SUCCESSFULLY | replaced in | retrieved from | MEMBER member_name

**Explanation:** A parameter in a IOA PARM library member was retrieved or updated by Control-M/Enterprise Manager.

**Corrective Action:** No action is required.
ECAPB2E RC=(04) REASON=(reason) PROCESSING FAILED

**Explanation:** An IOA PARM library parameter, which was needed to process a request from the Control-M/Enterprise Manager, could not be located.

**Corrective Action:** Review recent changes to the CTMAA section of the CTMPARM member in the IOA PARM library and to the member referred to by the ECAPARM parameter in the CTMAA section. Browse or edit the IOA PARM library, to ensure that it is not held exclusively by a TSO user or a job (for example, for compression). If no problem is found, save the IOAGATE and Application Server syouts and call BMC Software Customer Support.

ECAPB3E RC=(08) REASON=(reason) | INVALID PARAMETER (n) RECEIVED | additional_details

**Explanation:** The IOA PARM library editor program was called with invalid parameters. The invalid parameter is identified by \( n \), which is the parameter number in the ECAPMED parameter list.

**Corrective Action:** Review recent changes to the CTMAA section of the CTMPARM member in the IOA PARM library and to the member referred to by the ECAPARM parameter in the CTMAA section. If no problem is found, save the IOAGATE and Application Server syouts and call BMC Software Customer Support.

ECAPB4E RC=(12) REASON=(reason) FAILURE TO READ | WRITE | STOW MEMBER member_name

**Explanation:** A failure occurred while reading/writing/saving an IOA PARM library member.

**Corrective Action:** The failure might occur if the member is being edited in TSO, or the IOA PARM library needs to be compressed. If the problem persists, save the IOAGATE and Application Server syouts and call BMC Software Customer Support.

ECAPB5E RC=(24) REASON=(reason) INTERNAL ERROR OCCURRED

**Explanation:** The IOA PARM library editor program encountered a logical error.

**Corrective Action:** Save the Application Server syouts and call BMC Software Customer Support.

Messages ECAT00 through ECATxx

This group includes messages for the IOA (infrastructure) product.

ECAT00I CHANNEL (channelId:TCP) task (taskId.type) LISTENING ON PORT(port), IP(hostIpAdd/*), APPLICATION (appl)

**Explanation:** This information message displays the host IP address and TCP/IP communication port number on which IOAGATE is listening. The message indicates that the TCP channel has initialized and is waiting for the partner or client to initiate the connection.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- `channelId` - the identity of the TCP channel that is listening to the specified port
- `task` - the name of the communication task of `channelId`. Valid values are:
  - `SENDER` - the sender side of the dual connection (DC) TCP channel
  - `RECEIVER` - the receiver side of the dual connection (DC) TCP channel
  - `LISTENER` - the manager task of the multiple connection (MC) TCP channel
- `taskId` - the internal identity of this communication task
- `type` - the internal type of this communication task
- `port` - the number of the TCP/IP communication port that the TCP channel is using to listen for connection
- `hostIpAdd` - the IP address on which IOAGATE is listening for incoming connections, which corresponds with the IP address specified in the `BIND` parameter in `ECAPARM`
- `*` (Asterisk) - IOAGATE is listening for incoming connections on all IP address (adapters) of the `z/OS`. Default.
- `appl` - the application supported by the specified channel

**Corrective Action:** No action is required.

ECAT01E PROBABLE CTM/EM SET UP ERROR: DATACENTER PLATFORM WRONGLY DEFINED AS 'DISTRIBUTED' INSTEAD OF AS 'Z/OS'

**Explanation:** IOAGATE received a synchronization message from Control-M/Enterprise Manager that is encoded for non z/OS platforms. The error is probably because the Control-M for z/OS is incorrectly defined in the Control-M Configuration Manager.

**Corrective Action:** Ensure that in the Platform field of the Control-M Definition dialog box, the Control-M is defined as 'z/OS', not as 'distributed'.

ECAT02I CHANNEL(`channelId.TCP`) task(`taskId.type`) ESTABLISHED CONNECTION WITH HOST(`hostIpAdd`), APPLICATION(`appl`)

**Explanation:** This information message indicates that a dual connection (DC) TCP communication channel succeeded in connecting to the specified partner or client.

The variables in this message are:
- `channelId` - the identity of the channel that established connection with a partner or client
- `task` - the communication task of the indicated TCP channel. Valid values are:
  - `SENDER` - the sender side of the dual connection TCP channel
  - `RECEIVER` - the receiver side of the dual connection TCP channel
**ECAT03I** CHANNEL(\textit{channelId}.TCP) \textit{task} (taskId.type) TERMINATED CONNECTION WITH HOST(\textit{hostIpAdd})

**Explanation:** This information message indicates that the communication task of the specified dual connection (DC) TCP communication channel terminated the connection with its partner or client.

The variables in this message are:

- \textit{channelId} - the identity of the channel that terminated connection with a partner or client
- \textit{taskId} - the internal identity of this communication task
- \textit{type} - the internal type of this communication task
- \textit{hostIpAdd} - the IP address of the host of the partner or client

Normal processing continues. The dual connection TCP channel will try to re-establish connection to the specified partner or client.

**Corrective Action:** No action is required.

**ECAT04W** CHANNEL(\textit{channelId}.TCP) \textit{task} (taskId.type) FAILED TO INITIALIZE, WILL RETRY IN A MINUTE

**Explanation:** This message warns that initialization failed during startup of the specified TCP channel. The ECAT05I or the ECAT09I message may accompany this message and explain the reason for the failure.

The variables in this message are:

- \textit{channelId} - the identity of the channel that failed to initialize
- \textit{taskId} - the internal identity of this communication task
- \textit{type} - the internal type of this communication task
- \textit{hostIpAdd} - the IP address of the host of the partner or client

Corrective Action: No action is required.
Normal processing continues. After one minute, initialization of the indicated TCP channel is attempted again.

**Corrective Action:** No action is required.

**ECAT05W CHANNEL(CHANNELID,TCP) task(taskId.type) DETECTED EVENT(errno.errno_id) STAGE(stage) API(api) ACTION(action)**

**Explanation:** This message warns that the dual connection (DC) TCP channel detected a TCP/IP internal errno event while trying to connect or during data exchange with a partner or client.

Internal TCP/IP errno events are network activities that are intercepted, identified, and processed by TCP/IP software. A unique name and a standard numeric code identify each event.

Internal TCP/IP events usually reflect normal network activity, including error recovery. Only codes that point to application program interface (API) errors indicate potential software defects.

This message ECAT05W is always followed by the ECAT0EI message, which explains the errno event.

The variables in this message are:

- **taskId** - the internal identity of this communication task
- **type** - the internal type of this communication task

Valid values are:
- **SENDER** - the sender side of the dual connection (DC) TCP channel
- **RECEIVER** - the receiver side of the dual connection (DC) TCP channel

- **taskId** - the internal identity of this communication task
- **type** - the internal type of this communication task

- **errno** - the name of the internal TCP/IP event

For a description of possible values of errno, refer to the ECAT0EI message that always follows this message.

- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of errno_id, refer to the appropriate TCP/IP vendor documentation.

- **stage** - the internal ID of the processing stage at which the event was detected

- **api** - the TCP/IP socket API function that was active when the event was detected

- **action** - the internal action identity that describes how the dual connection (DC) TCP channel will handle the event. Valid values are:
  - **GO_DOWN** - shut down the specified communication task
  - **CLOSE_GO_DOWN** - disconnect, and shut down the specified communication task
  - **CLOSE_REINIT** - disconnect, reset, and initialize the specified communication task
  - **REINIT** - try to initialize the specified communication task again
  - **IGNORE** - ignore the event
DISABLE - disable the channel

Normal processing continues, and the specified TCP channel handles the event as described by the value of action.

Corrective Action: For information about the detected errno event, refer to the appropriate TCP/IP vendor documentation. If the problem persists, call your network systems programmer for assistance.

ECAT06I CHANNEL(channelId.TCP) task(taskId.type) PARTNER DISCONNECTED APPLICATION(appl)

Explanation: This information message indicates that the partner or client disconnected because the dual connection (DC) channel detected an End-Of-File TCP/IP internal errno event.

The variables in this message are:
- channelId - the identity of the channel to which the partner was connected
- task - the identity of the communication task of channelId. Valid values are:
  - SENDER - the sender side of the dual connection channel
  - RECEIVER - the receiver side of the dual connection TCP channel
- taskId - the internal identity of this communication task
- type - the internal type of this communication task
- appl - the identity of the application supported by channelId

Normal processing continues. The TCP channel channelId shuts down, is reset, and is initialized again.

Corrective Action: No action is required.

ECAT07I CHANNEL(channelId.TCP) task(taskId.type) READY, APPLICATIONS(appls)

Explanation: This information message indicates that a communication task of the specified multiple connection (MC) TCP channel initialized successfully. This information message is issued during multiple connection (MC) TCP channel initialization.

The variables in this message are:
- channelId - the identity of the multiple connection (MC) TCP channel that initialized successfully
- task - the communication task of the channelId channel. Valid values are:
  - LISTENER - the manager task of the multiple connection TCP channel
  - COMTASK - the communication task of the multiple connection TCP channel
- taskId - the internal identity of the task communication task
- type - the internal type of the task communication task
- appls - list of the applications supported by the channelId channel

Corrective Action: No action is required.
**ECAT08W CHANNEL(channelId.TCP) TASK(taskId) CONNECT FROM IP(IPAddress) FORBIDDEN**

**Explanation:** An attempt to connect to IOAGATE has been rejected because the incoming IP address is specified as forbidden in the IP validation list member that is defined for this channel.

The variables in this message are:
- channelId - the identity of the channel that received and rejected the connection request
- taskId - the internal identity of the channel task that received and rejected the connection request
- IPAddress - the IP address from which the connection has been initiated

The connection is closed and normal processing continues.

**Corrective Action:** No action is required.

**ECAT09W CHAN(channelId.TCP) task(taskId.type) EVENT(errno.errno_id) SOCK(socket) API(stage.api) ACT(action), RHOST(hostId)**

**Explanation:** This message warns that the multiple connection (MC) TCP channel detected a TCP/IP errno event while trying to connect or during data exchange with a partner or client.

Internal TCP/IP errno events are network activities that are intercepted, identified and processed by TCP/IP software. A unique name and a standard numeric code identify each event. Internal TCP/IP events usually reflect normal network activity, including error recovery. Only codes that point to application program interface (API) errors indicate potential software problems.

This message ECAT05W is always followed by the ECAT0EI message, which explains the errno event.

The variables in this message are:
- channelId - the identity of the channel that detected the event
- taskId - the name of the communication task of channelId. Valid values are:
  - LISTENER - the manager task of channelId
  - COMTASK - the communication task of channelId
- `taskId` - the internal identity of the communication task of `channelId`
- `type` - the internal type of the communication task of `channelId`
- `errno` - the name of the internal TCP/IP event. For a description of possible `errno` values, refer to the ECAT0EI message that always follows this message.
- `errno_id` - the numeric identifier of the internal TCP/IP event. For a description of possible values of `errno_id`, see the appropriate TCP/IP vendor documentation.
- `socket` - the TCP/IP socket number assigned to this connection within the indicated task.
- `stage` - the internal identity of the processing stage at which the event was detected.
- `api` - the TCP/IP socket API function that was active when the event was detected.
- `action` - the internal action identity that describes how the multiple connection TCP channel will handle the event. Valid values are:
  - `GO_DOWN` - Shut down the specified communication task.
  - `REINIT` - Try to establish the connection again.
  - `CLEAR` - Free resources assigned by the channel to handle this connection.
  - `DISABLE` - Disable the channel.
  - `IGNORE` - Ignore the event.
- `hostId` - the host IP address of the remote partner or client with which `channelId` is communicating.

Normal processing continues, and the specified TCP channel handles the event as described by the value of action.

**Corrective Action:** Refer to the appropriate TCP/IP vendor documentation for information about `errno_id`. If the problem persists, call your network systems programmer for assistance.

**ECATOAI CHANNEL**(`channelIdTCP`) **task**(`taskId.type`)** SETTING TCPACCESS SUBSYSTEM**(`subsystemName`)**

**Explanation:** This information message indicates that the `channelId` channel is setting up the TCPaccess subsystem name. This message is issued during startup, when the TCP communication channel is configured with the TCPaccess TCP/IP software of Computers Associates International, Inc.

The message is issued only when both the TCPVENDR=CA and SUBSYSTM parameters are specified in the ECAPARM configuration file.

The variables in this message are:
- `channelId` - the identity of the channel for which the TCPVENDR and SUBSYSTM parameters were specified.
- `task` - the communication task assigned to `channelId`. Valid values are:
  - `RECEIVER` - the receiver side of the dual connection (DC) TCP channel.
  - `LISTENER` - the manager task of the multiple connection (MC) TCP channel.
taskId - the internal identity of task

Corrective Action: No action is required.

ECAT0BI CHANNEL(channelId. TCP) task(taskId.type) PARTNER(node) CONNECTED, SOCKET(socket) HOST(host)

Explanation: The IOAGATE-to-IOAGATE connection has been established. This message is issued when the local IOAGATE has CONNECTOR set to LOCAL.

The variables in this message are:

- channelId - the identity of the TCP channel that established the connection
- task - the name of the communication task of the indicated TCP channel that established the connection
- taskId - the internal identity of task
- type - the internal type of task
- node - the node identity of the partner IOAGATE with which the connection has been established
- socket - the TCP/IP socket number assigned to this connection within the indicated task
- host - the identity of the remote host with which the connection has been established

Corrective Action: No action is required.

ECAT0CI CHANNEL(channelId.TCP) task(taskId.type) CONNECTION ACCEPTED FROM NODE(node), SOCKET(socket) HOST(host)

Explanation: The IOAGATE-to-IOAGATE connection has been established. This message is issued when the partner node has CONNECTOR set to local.

The variables in this message are:

- channelId - the identity of the TCP channel that established the connection
- task - the name of the communication task of channelId
- taskId - the internal identity of task
- type - the internal type of task
- node - the identity of the node of the partner IOAGATE with which the connection has been established
- socket - the TCP/IP socket number assigned to this connection within task
- host - the identity of the remote host with which the connection has been established

Corrective Action: No action is required.
ECAT0DW CHANNEL(channelId.TCP) task (taskId.type) PARTNER(node) DISCONNECTED(errno), SOCKET(socket)

**Explanation:** The IOAGATE-to-IOAGATE connection has been disrupted.

The variables in this message are:
- **channelId**: the identity of the TCP channel to which the partner IOAGATE was connected
- **task**: the name of the communication task of `channelId` to which the partner IOAGATE was connected
- **taskId**: the internal identity of `task`
- **type**: the internal type of `task`
- **node**: the identity of the node of the partner IOAGATE to which the partner IOAGATE was connected
- **errno**: the reason of the disconnection
  For a description of possible values of `errno`, see to the appropriate TCP/IP vendor documentation
- **socket**: the TCP/IP socket number assigned to this connection within `task`

Normal processing continues. IOAGATE tries to reestablish connection.

**Corrective Action:** No action is required.

ECAT0EI Event(errno : explan)

**Explanation:** This message always follows the ECAT05W and ECAT09W messages. It displays a short explanation of the `errno` event that is identified in the preceding ECAT05W or ECAT09W message.

The variables in this message are:
- **errno**: the name of the internal TCP/IP or IOAGATE channel event
- **explan**: short explanation of the `errno` event specified by the first variable

**Corrective Action:** No action is required.

ECAT0FS CHANNEL(channelId.TCP) task (taskId.type) BAD IP ADDRESS(ipAdd) SPECIFIED

**Explanation:** The specified IP address is invalid.

The variables in this message are:
- **channelId**: the identity of the TCP channel that detected the problem
- **task**: the name of the communication task of `channelId`
- **taskId**: the internal identity of `task`
- **type**: the internal type of `task`
- **ipAdd**: the invalid IP address value that caused the problem

The `channelId` TCP channel goes down.
Corrective Action: Correct the IP address and restart IOAGATE.

ECAT0GS CHANNEL(channelId.TCP) task(taskId.type) UNKNOWN HOST(hostId) SPECIFIED

Explanation: IOAGATE failed to resolve the specified Hostname.
The variables in this message are:
- channelId - the identity of the TCP channel that detected the problem
- task - the name of the communication task of channelId
- taskId - the internal identity of task
- type - Internal type of task
- hostId - the Hostname that caused the problem

The specified channel goes down.
Corrective Action: Correct the Hostname, or try specifying the IP address instead, and restart IOAGATE.

ECAT0HS CHANNEL(channelId.TCP) task(taskId.type) SOCKET GETTING FAILED

Explanation: A severe socket API error occurred while trying to get a socket.
The variables in this message are:
- channelId - the identity of the TCP channel that detected the problem
- task - the name of the communication task of channelId
- taskId - the internal identity of task
- type - the internal type of task

IOAGATE shuts down.
Corrective Action: Contact BMC Software Customer Support.

ECAT0IW CHANNEL(channelId.TCP) task(taskId.type) CONNECT TO PARTNER(node) WILL BE RETRIED IN nn sec

Explanation: An attempt to establish an IOAGATE-to-IOAGATE connection has failed. IOAGATE will retry the attempt after the time interval \( nn \). This message is issued only when the local IOAGATE has CONNECTOR set to LOCAL.
The variables in this message are:
- **channelId** - the identity of the TCP channel that attempted to connect
- **task** - the name of the communication task of **channelId**
- **taskId** - the internal identity of **task**
- **type** - the internal type of **task**
- **node** - the identity of the node of the partner IOAGATE with which connection was attempted
- **nn** - the time interval (in seconds) before another attempt is made to connect

IOAGATE will retry establishing the IOAGATE-to-IOAGATE connection after the time specified (nn seconds).

**Corrective Action:** No action is required.

```
ECAT0JE CHANNEL(channelId.TCP) task (taskId.type) HANDSHAKE SENDING TO PARTNER(node) FAILED(errno)
```

**Explanation:** An attempt to send a handshake message to a partner IOAGATE failed.

The variables in this message are:
- **channelId** - the identity of the TCP channel that performed a handshaking attempt
- **task** - the name of the communication task of **channelId**
- **taskId** - the internal identity of **task**
- **type** - the internal type of **task**
- **node** - the node identity of the partner with which IOAGATE was attempting a handshake
- **errno** - the reason for the disconnection

For a description of possible values of **errno**, see the appropriate TCP/IP vendor documentation

**Corrective Action:** Do the following:
1. Examine the IOAGATE logs to try to determine the cause of the failure.
2. If possible, correct the problem and restart IOAGATE.
3. If the problem persists, contact BMC Software Customer Support.

```
ECAT0KE CHANNEL(channelId.TCP) task (taskId.type) CONNECT TO PARTNER(node) FAILED, HOST(hostId) UNAVAILABLE
```

**Explanation:** IOAGATE is unable to establish IOAGATE-to-IOAGATE connection because the specified Hostname cannot be resolved by TCP/IP.

The variables in this message are:
- `channelId` - the identity of the TCP channel that attempted to connect
- `task` - the name of the communication task of `channelId`
- `taskId` - the internal identity of `task`
- `type` - the internal type of `task`
- `node` - the node identity of the partner to which IOAGATE attempted to connect
- `hostId` - the identity of the Host that caused the problem

IOAGATE disables the indicated channel, and tries to continue processing.

**Corrective Action:** Try to specify the IP address instead of a Hostname, and restart IOAGATE.

**Explanation:** The message warns that both sides of the IOAGATE-to-IOAGATE connection were configured with CONNECTOR set to LOCAL.

The variables in this message are:
- `channelId` - the identity of the TCP channel that detected the error
- `task` - the name of the communication task of `channelId`
- `taskId` - the internal identity of `task`
- `type` - the internal type of `task`
- `node` - the node identity of the partner IOAGATE

IOAGATE continues trying to establish an IOAGATE-to-IOAGATE connection.

**Corrective Action:** Correct the IOAGATE-to-IOAGATE connection configuration in the network map, by setting CONNECTOR to LOCAL on one side of the connection and to PARTNER on the other side, then restart the IOAGATEs.

**Explanation:** The specified IP address is invalid.

The variables in this message are:
channelId - the identity of the TCP channel that detected the problem

taskId - the internal identity of task

type - the internal type of task

parm - the name of the parameter that specifies the invalid Hostname

hostId - the invalid Hostname that caused the problem

IOAGATE disables the indicated channel and tries to continue processing.

Corrective Action: Correct the Hostname and restart IOAGATE.

Explanation: IOAGATE failed to resolve the specified Hostname. The variables in this message are:

channelId - the identity of the TCP channel that detected the problem

task - the name of the communication task of channelId

taskId - the internal identity of task

type - the internal type of task

parm - the name of the parameter that specifies the invalid Hostname

hostId - the invalid Hostname that caused the problem

IOAGATE disables the indicated channel, and tries to continue processing.

Corrective Action: Either correct the Hostname, or specify the IP address instead of a Hostname, then restart IOAGATE.

Explanation: This information message displays the socket implementation and client identity information that currently in use by IOAGATE. The variables in this message are:
- **channelId** - the identity of the TCP channel for which the socket and client ID information is issued
- **task** - the name of the communication task for which the socket and clientid information is issued
- **taskId** - the internal identity of **task**
- **type** - the internal type of **task**
- **socket_typ** - the type of socket implementation currently used by IOAGATE. Valid values are:
  - **OE** - integrated socket (OpenEdition socket)The value is explicitly specified in the ECAPARM configuration file.
  - **COM** - non-integrated socketThe value is explicitly specified in the ECAPARM configuration file.
  - **NONE** - no value assigned in the ECAPARM configuration file, default in use
- **client_id** - the internal identity of **task** assigned by TCP/IP

**Corrective Action:** No action is required.

**ECAT0PS BAD PARAMETERS RECEIVED(REASON: reason) WHEN VALIDATING INCOMING IP ADDRESS**

**Explanation:** An internal error encountered when performing validation of an incoming IP address. In this message, **reason** is the hexadecimal error code specifying an exact error case.

**Corrective Action:** Contact BMC Software Customer Support.

**ECAT0QE PROBABLE CTM/EM SET UP ERROR: CTM/CONFIGURATION MANAGER DISCOVERY PORT WRONGLY SET TO THE CTM/EM PORT**

**Explanation:** IOAGATE received a message from Control-M/Enterprise Manager that was intended for CTMCAS on the port assigned for CTMAS. The error is probably because the Control-M for z/OS is incorrectly defined in the Control-M Configuration Manager.

**Corrective Action:** Ensure that the Control-M for z/OS Configuration Agent Port is defined in the Control-M Definition dialog box with the value of the port assigned for CTMCAS, not with the value of the port assigned for CTMAS.

**ECAT0SI EVENT(event) OCCURRED ON PORT(port)**

**Explanation:** This information message indicates that the **event** error occurred on **port** port number. Details about the error are provided in message ECAT09W that precedes message ECAT0SI.

**Corrective Action:** No action is required.

**ECAT0TI IOAGATE(monitorId) RUNNING ON HOST (hostId,hostIpAdd)**

**Explanation:** This information message displays
- the STC name of IOAGATE
- the name and the IP address of the host on which IOAGATE is currently running

The variables in this message are:
```
• monitorId - the name of the IOAGATE started task
• hostId - the identity of the host on which the specified IOAGATE is running
• hostIpAdd - the IP address on which the specified IOAGATE is running

Corrective Action: No action is required.

ECAT0XI CHANNEL(CHANNELID.TCP) task(taskId.type) ADDITIONALLY LISTENING FOR CONNECTION ON PORT(port), IP(hostIpAdd)

Explanation: This information message displays the host IP address and the TCP/IP communication port number on which IOAGATE is listening because the SHRDBIND parameter has been specified in the ECAPARM configuration file for the indicated channel. This message is only issued when the SHRDBIND parameter is specified in the ECAPARM configuration file.

The message indicates that the indicated TCP channel has initialized and is waiting for the partner or client to initiate the connection.

The variables in this message are:
• channelId - the identity of the TCP channel that is listening to the specified port
• task - the name of the communication task of channelId. Valid values are:
  • SENDER - the sender side of the dual connection (DC) TCP channel
  • RECEIVER - the receiver side of the dual connection (DC) TCP channel
  • LISTENER - the manager task of the multiple connection (MC) TCP channel
• taskId - the internal ID of this communication task
• type - the internal type of this communication task
• port - the number of the TCP/IP communication port on which channelId is listening
• hostIpAdd - the address to which channelId is listening

Corrective Action: No action is required.

ECAT0YI codename (codeval)

Explanation: This message displays additional diagnostic information when an errno event occurs.

The variables in this message are:
• codename - the identity of the code of the problematic macro or service. Valid values are:
  • "Return Code of the failing service"
  • "Reason Code of the failing service"
  • "Information Code of the failing service"
  • "EVENT(EADDRINUSE) OCCURRED ON PORT"
  • "EVENT(EADDRNOTAVAIL) OCCURRED ON PORT"
```
INCONTROL for z/OS Messages Manual

- **codevalue** - the value of the code of the problematic macro or service, or port number

**Corrective Action:** Keep the DAIGLOG output for possible later analysis.

**ECAT0ZI Macro or Service that failed (mserv)**

**Explanation:** This message displays additional diagnostic information when an errno event occurs. In this message, *mserv* is the identity of the problematic macro or service.

**Corrective Action:** Keep the DAIGLOG output for possible later analysis.

**ECATS0E CHANNEL(channelId.TCP) TASK(taskId.type) SSL HANDSHAKE FAILED. RC(rc)**

**Explanation:** The SSL handshake with the client failed. The reason for the failure is described in message ECATS1E, which follows this message.

The variables in this message are:

- **channelId** - the identity of the TCP channel that is listening to the specified port
- **taskId** - the internal identity of this communication task
- **type** - the internal type of this communication task
- **rc** - System SSL return code value

Common values for **rc** are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Meaning</th>
<th>Most Probable Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Key label is not found</td>
<td>A bad KEYLAB parameter was specified in the ECAPARM configuration file</td>
</tr>
<tr>
<td>406</td>
<td>Error while reading or writing data</td>
<td>A CTM/EM client attempted to communicate using TCP/IP without SSL</td>
</tr>
</tbody>
</table>

For a full explanation of the return codes, please refer to the IBM manual *SC24-5901-03, z/OS V1R4.0-V1R5.0 System SSL Programming*.

The connection is terminated. IOAGATE resumes listening for incoming connections on the DC channel.

**Corrective Action:** If the return code is 406 and after this failure the SSL handshake succeeds, no action is required. It is normal for CTM/EM to first attempt to connect using TCP/IP without SSL, and if this attempt fails, it retries with SSL.

If the return code is 406 and the error persists, the client side has probably not enabled SSL. Otherwise, refer to message ECATS1E and to the above-mentioned IBM publication.

**ECATS1E system_ssl_api_call rc(rc): textual_explanation_of_the_rc**

**Explanation:** This message is issued after messages ECATS0E, ECATS2E, ECATS4E, and ECATS5E. The message includes more details about the failure reported by the preceding message.

The variables in this message are:
system_ssl_api_call - the internal System SSL API call that failed
rc - the return code that appeared in the preceding message
textual_explanation_of_the_rc - textual explanation of the return code

For a full explanation of the return codes, please refer to the IBM manual SC24-5901-03, z/OS V1R4.0-V1R5.0 System SSL Programming.

Corrective Action: No action is required.

ECATS2E CHANNEL(channelId.TCP) TASK(taskId.type) SSL INIT FAILED. RC(rc)

Explanation: After connection is established and before the SSL handshake takes place, the SSL initialization fails. The subsequent message (message ECATS1E) includes more details about the failure.

The variables in this message are:
- channelId - the identity of the TCP channel that is listening to the specified port
- taskId - the internal identity of this communication task
- type - the internal type of this communication task
- rc - System SSL return code value

A common value for rc is:

<table>
<thead>
<tr>
<th>rc</th>
<th>Meaning</th>
<th>Most Probable Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>202</td>
<td>Error detected while opening the key database</td>
<td>A bad KEYRING parameter is specified in the ECAPARM configuration file.</td>
</tr>
</tbody>
</table>

For a full explanation of the return codes, please refer to the IBM manual SC24-5901-03, z/OS V1R4.0-V1R5.0 System SSL Programming.

The connection is terminated. The task resumes listening for new connections on the DC channel.

Corrective Action: Refer to message ECATS1E and to the above-mentioned IBM publication.

ECATS3I CHANNEL(channelId.TCP) TASK(taskId.type) SSL HANDSHAKE SUCCEEDED

Explanation: This information message indicates that an SSL handshake with the client succeeded.

The variables in this message are:
- channelId - the identity of the TCP channel that is listening to the specified port
- taskId - the internal identity of this communication task
- type - the internal type of this communication task

Corrective Action: No action is required.
ECATS4E CHANNEL(channelId:TCP) TASK(taskId:type) SSL READ FAILED.
RC(rc)

Explanation: An internal call to decrypt a received message failed. The subsequent message (message ECATS1E) includes more details about the failure.

The variables in this message are:
- channelId - the identity of the TCP channel that is listening to the specified port
- taskId - the internal identity of this communication task
- type - the internal type of this communication task
- rc - System SSL return code value

For a full explanation of the return codes, please refer to the IBM manual SC24-5901-03, z/OS V1R4.0-V1R5.0 System SSL Programming.

The connection is terminated. The task resumes listening for new connections on the DC channel.

Corrective Action: Refer to message ECATS1E and to the above-mentioned IBM publication.

ECATS5E CHANNEL(channelId:TCP) TASK(taskId:type) SSL SEND FAILED.
RC(rc)

Explanation: An internal call to encrypt a message before sending failed. The subsequent message (message ECATS1E) includes more details about the failure.

The variables in this message are:
- channelId - the identity of the TCP channel that is listening to the specified port
- taskId - the internal identity of this communication task
- type - the internal type of this communication task
- rc - System SSL return code value

For a full explanation of the return codes, please refer to the IBM manual SC24-5901-03, z/OS V1R4.0-V1R5.0 System SSL Programming.

The connection is terminated. The task resumes listening for new connections on the DC channel.

Corrective Action: Refer to message ECATS1E and to the above-mentioned IBM publication.

ECATS6E CHANNEL(channelId:TCP) TASK(taskId) SSL OPEN FAILED.
RC(rc)

Explanation: After an incoming TCP/IP connection was accepted for a channel with SSL=YES, IOAGATE attempted and failed to allocate and initialize a secure socket instance in the SSL subtask. The failure was in one of the following System SSL API calls:
- `gsk_secure_socket_open()`
- `gsk_attribute_set_buffer()`
- `gsk_attribute_set_numeric_value()`

The variables in this message are:
- `channelID` - the identity of the channel that detected the problem
- `taskID` - the internal identity of the channel task that detected the problem
- `rc` - the return code of the API call

The connection is closed.

**Corrective Action:** If the problem persists, contact BMC Software Customer Support.

**Explanation:** After an incoming TCP/IP connection was closed for a channel with SSL=YES, IOAGATE attempted and failed to close the corresponding secure socket instance in the SSL subtask. The failure was in the `gsk_secure_socket_close()` System SSL API call.

The variables in this message are:
- `channelID` - the identity of the channel that detected the problem
- `taskID` - the internal identity of the channel task that detected the problem
- `rc` - the return code of the API call

IOAGATE operations continue.

**Corrective Action:** If the problem persists, contact BMC Software Customer Support.

**Explanation:** An internal error occurred when an IOAGATE communications subtask attempted to get an internal message from the SSL subtask.

The variables in this message are:
- `channelID` - the identity of the channel that detected the problem
- `taskID` - the internal identity of the channel task that detected the problem
- `rc` - the return code of the API call

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.
ECATS9E CHANNEL(channelID.TCP) TASK(taskID) INTERNAL ERROR IN ECAPCCB. RC(rc)

**Explanation:** An internal error occurred when an IOAGATE communications subtask attempted to put an internal message to the SSL subtask.

The variables in this message are:
- channelID - the identity of the channel that detected the problem
- taskID - the internal identity of the channel task that detected the problem
- rc - the return code of the API call

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.

ECATSAE CHANNEL(channelID.TCP) TASK(taskID) ALLOCBUF FAILED. SOCK(socket)

**Explanation:** An internal error occurred when an IOAGATE communications subtask attempted to allocate an internal buffer for an SSL connection.

The variables in this message are:
- channelID - the identity of the channel that detected the problem
- taskID - the internal identity of the channel task that detected the problem
- socket - the socket for which the error occurred

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.

ECATSBE CHANNEL(channelID.TCP) TASK(taskID) FREEBUF FAILED. SOCK(socket)

**Explanation:** An internal error occurred when an IOAGATE communications subtask attempted to free an internal buffer for an SSL connection.

The variables in this message are:
- channelID - the identity of the channel that detected the problem
- taskID - the internal identity of the channel task that detected the problem
- socket - the socket for which the error occurred

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.
ECATSCE CHANNEL(channelID.TCP) TASK(taskID) INVALID REPLY(reply) FROM SSL SUBTASK. REQ(request)

**Explanation:** An internal error occurred when an IOAGATE communications subtask read an invalid internal reply from the SSL subtask.

The variables in this message are:
- `channelID` - the identity of the channel that detected the problem
- `taskID` - the internal identity of the channel task that detected the problem
- `reply` - the invalid reply
- `request` - the request for which the invalid reply was received

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.

ECATSDE CHANNEL(channelID.TCP) TASK(taskID) INVALID REQUEST(request) IN CCB AFTER GET

**Explanation:** An internal error occurred when an IOAGATE communications subtask read an invalid internal request from the SSL subtask.

The variables in this message are:
- `channelID` - the identity of the channel that detected the problem
- `taskID` - the internal identity of the channel task that detected the problem
- `request` - the invalid request

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.

ECATSEW CHANNEL(channelID.TCP) TASK(taskID) SSLPUT CALL WHILE SSLPUT IN PROCESS. SOCK(socket)

**Explanation:** An internal error (a previous internal put did not end) occurred when an IOAGATE communications subtask attempted to put an internal message to the SSL subtask.

The variables in this message are:
- `channelID` - the identity of the channel that detected the problem
- `taskID` - the internal identity of the channel task that detected the problem
- `socket` - the socket for which the error occurred

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.
ECATSFE CHANNEL(channelID.TCP) TASK(taskID) MALLOC FAILED.
SIZE(size) SOCK(socket)

**Explanation:** An internal error occurred when an IOAGATE communications subtask attempted to allocate storage.

The variables in this message are:
- *channelID* - the identity of the channel that detected the problem
- *taskID* - the internal identity of the channel task that detected the problem
- *size* - the size of the storage request that failed
- *socket* - the socket for which the error occurred

IOAGATE disables the channel, and goes down if there is no other active channel.

**Corrective Action:** Contact BMC Software Customer Support.

**EDA messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages EDAL00 through EDALxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**EDAL43I NEW DAY PROCEDURE COMPLETED SUCCESSFULLY**

**Explanation:** This information message indicates that the New Day procedure ended successfully. The CTMEDA program is executed as the last step in the New Day procedure to inform the Control-M monitor that the procedure ended successfully.

The Control-M monitor resumes execution.

**Corrective Action:** No action is required.

**EDAL44E NEW DAY PROCEDURE ENDED WITH ERRORS**

**Explanation:** *Highlighted, unrollable message.*

The last phase in the New Day procedure, the CTMEDA program, ended with errors. This message follows a message that describes the specific cause of the error.

The Control-M monitor remains in a suspended state.

**Corrective Action:** Correct the error according to the description in the previous message and rerun the New Day procedure to invoke the CTMEDA program.
EXO messages

This group includes messages for the Control-O CMEM product.

Messages EXO200 through EXO2xx

This group includes messages for the Control-O CMEM product.

EXO200I \{CONTROL-O | CTMCMEM\} EXECUTOR STARTED

Explanation: This information message is the normal start message of the Control-O or CMEM Executor task that handles tasks that cannot be executed by the Control-O or CMEM subsystem. Certain of these actions require communication with other IOA products.

Corrective Action: No action is required.

EXO201I \{CONTROL-O | CTMCMEM\} EXECUTOR ENDED

Explanation: This information message is the normal termination message of the CONTROL-O or CMEM Executor task that handles tasks that cannot be executed by the CONTROL-O or CMEM subsystem. Certain of these actions require communication with other IOA products.

Corrective Action: No action is required.

EXO202S ERROR ALLOCATING THE SUBSYSTEM-TO- MONITOR COMMUNICATION DATASET

Explanation: The CONTROL-O or CMEM monitor failed to allocate the subsystem-to-monitor communication file. The communication file links the CONTROL-O or CMEM and Control-M monitors. Possible causes are:

- The communication file is not cataloged on the correct disk.
- The communication file is cataloged in a catalog that cannot be accessed from the local CPU.
- The MVS allocation exit failed the allocation request.
- A security product failed the allocation request.
- The data set was not specified correctly in the Control-M CPU Installation Parameter in the IOACPRM member.
- The data set was never allocated. That is, the Control-M Console Subsystem was not installed in the current computer.

The Control-O or CMEM monitor shuts down.

Corrective Action: Check the potential reasons for the error listed above. Correct as necessary, and restart the Control-O or CMEM monitor.
EXO203S THE SUBSYSTEM-TO-MONITOR COMMUNICATION DATASET COULD NOT BE OPENED

**Explanation:** The Control-O monitor failed to open a subsystem-to-monitor communication file. The communication file links the Control-O or CMEM and Control-M monitors. Possible causes are:

- A communication file was incorrectly defined.
- The MVS DADSM exit failed the open request.
- A security product failed the open request.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Check the communication files that are in use, and make sure that they were properly defined, formatted, and cataloged. In addition, make sure that no restrictions are imposed, for example by MVS or a security package, and the like.

EXO204S I/O ERROR WHILE READING THE MONITOR-TO-SUBSYSTEM COMMUNICATION DATASET

**Explanation:** The Control-O monitor could not read a monitor-to-subsystem communication file due to an I/O error. The communication file links the Control-O or CMEM and Control-M monitors. The Control-O monitor-to-subsystem communication file may not have been formatted correctly during Control-M Installation Procedure, or may have been incorrectly modified.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** For formatting information, see the section that describes how to install the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the *INCONTROL for z/OS Installation Guide*. Reformat or restore as necessary, and restart the Control-O or CMEM monitor.

EXO205S ERROR_ALLOCATING THE MONITOR-TO-SUBSYSTEM COMMUNICATION DATASET

**Explanation:** The Control-O monitor failed to allocate the monitor-to-system communication file. The communication file links the Control-O or CMEM and Control-M monitors.

Possible causes are:

- The communication file is not cataloged on the correct disk.
- The communication file is cataloged in a catalog that cannot be accessed from the local CPU.
- The MVS allocation exit failed the allocation request.
- A security product failed the allocation request.
- The data set was not specified correctly in the Control-M CTM2SBS Installation Parameter in IOACPRM.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Check the potential reasons for the error listed above. Correct as necessary, and restart the Control-O or CMEM monitor.
EXO206S THE MONITOR-TO-SUBSYSTEM COMMUNICATION DATASET COULD NOT BE OPENED

Explanation: The Control-O or CMEM monitor failed to open a monitor-to-subsystem communication file. The communication file links the Control-O or CMEM and Control-M monitors. Possible causes are:

- A communication file was incorrectly defined.
- The MVS DADSM exit failed the open request.
- A security product failed the open request.

The Control-O or CMEM monitor shuts down.

Corrective Action: Check the communication files that are in use, and make sure that they were properly defined, formatted and cataloged. In addition, make sure that no restrictions are imposed by MVS, a security package, and so on.

EXO207S I/O ERROR WHILE READING THE SUBSYSTEM-TO-MONITOR COMMUNICATION DATASET

Explanation: The Control-O or CMEM monitor could not read a subsystem-to-monitor communication file due to an I/O error. The communication file links the Control-O or CMEM and Control-M monitors. The Control-O or CMEM subsystem-to-monitor communication file may not been formatted correctly during Control-M Installation procedure, or may have been incorrectly modified.

The Control-O or CMEM monitor shuts down.

Corrective Action: For formatting information, see the section that describes how to install the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the INCONTROL for z/OS Installation Guide. Reformat or restore as necessary, and restart the Control-O or CMEM monitor.

EXO208S INVALID FORMAT OF THE SUBSYSTEM-TO-MONITOR COMMUNICATION DATASET

Explanation: The Control-O or CMEM subsystem-to-monitor communication file has not been formatted correctly during the Control-M Installation Procedure or may have been incorrectly modified.

The Control-O or CMEM monitor shuts down.

Corrective Action: For formatting information, see the section that describes how to install the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the INCONTROL for z/OS Installation Guide. Reformat or restore as necessary, and restart the Control-O or CMEM monitor.

EXO209S OPEN OF THE CONTROL-O TRACE FILE FAILED. DDNAME DAACTLOG

Explanation: The Control-O monitor failed to open the trace file used when Control-O is operating in LOG and TEST modes.

The Control-O monitor shuts down.

Corrective Action: Make sure that DD name DAACTLOG is allocated to the Control-O monitor, or if no trace is required, to DUMMY.
EXO20AS SYSPLEX TABLE MISSING - SYSTEM LOGGER INTERFACE DISABLED

**Explanation:** CMEM attempted to read the Sysplex Table and could not find the table or encountered errors while reading the Sysplex Table. Possible causes are:

- Sysplex Table is not in the STEPLIB concatenation of load libraries.
- The Sysplex Table has an invalid internal format.
- The Sysplex Table has no valid, active table entries.

CMEM attempts to allocate, open, and use the subsystem-to-monitor (S2M) communication files to implement CMEM-Control-M communication.

**Corrective Action:** Determine if the Sysplex Table is not in the load library or has an invalid format. Correct the problem and recycle CMEM.

EXO20BE SYSTEM LOGGER REQUEST *req* FAILED: R15=*r15* RETURN=*rc* REASON=*rsn*

**Explanation:** One of the following System Logger requests failed:

- DEFCFS, IXMLNVNT - Define coupling facility structure.
- DEFLGS, IXMLNVNT - Define log stream.
- CONLGS, IXMLCONN - Connect to log stream.
- WRITEL, IXLWRITE - Write a log stream log block.
- BRWSEL, IXMLBRWSE - Browse a log stream log block.
- DELETL, IXMLDELET - Delete a log stream log block.
- DISLGS, IXMLCONN - Disconnect from log stream.
- DELLGS, IXMLNVNT - Delete log stream.
- DELCFS, IXMLNVNT - Delete coupling facility structure.

CMEM issues *r15*. Possible values of *r15* are:

- 08 - Minor System Logger request error.
- 12 - Intermediate System Logger request error.
- 16 - Major System Logger request error.
- 20 - Permanent System Logger request error.
- 24 - Internal CMEM error
- 28 - Operating system does not support System Logger interface.
- 32 - Internal CMEM error.

To determine the system action, check the descriptions of return and reason codes in the IBM manual *MVS Programming: Assembler Services Reference*, where they are described for each System Logger request separately.
Corrective Action: If you cannot correct the problem, call BMC Software Customer Support.

EXO20CI SYSTEM LOGGER INTERFACE ACTIVATED

Explanation: This information message indicates that CMEM has successfully initialized the System Logger interface. CMEM can now begin communicating with Control-M.

Corrective Action: No action is required.

EXO20CW IOACPRM NOT DEFINED. CMEM FUNCTION IS NOT SUPPORTED

Explanation: During Control-O or CMEM start up, the IOACPRM member was not found in the IOA PARM library, and therefore could not be loaded.

Initiation of CMEM fails. The CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.

Corrective Action: Have the INCONTROL administrator check if the situation is valid. If not, create the IOACPRM member in the IOA PARM library, and restart the Control-O or CMEM monitor.

EXO20DW NO CPU ENTRY FOR THIS SYSTEM WAS DEFINED. CMEM FUNCTION IS NOT SUPPORTED

Explanation: During the start up of Control-O or CMEM, the IOACPRM member in the IOA PARM library does not contain the definition for the system where the Control-O or CMEM monitor is active.

Initiation of CMEM fails. CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.

Corrective Action: Have the INCONTROL administrator check if the situation is valid. If not, add the definitions for the current system to the IOACPRM member in the IOA PARM library, and restart the Control-O or CMEM monitor.

EXO20EW S2M FILE WAS NOT DEFINED IN CPU ENTRY. CMEM FUNCTION NOT SUPPORTED

Explanation: During Control-O or CMEM start up, Control-O or CMEM could not allocate the Subsystem-to-Monitor file, because the name of the file is missing from the definition of the current system in the IOACPRM.

Initiation of CMEM fails. CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.

Corrective Action: Call the INCONTROL administrator to check if the situation is valid. If not, add the name of the Subsystem-to-Monitor file and the definitions for the current system to the IOACPRM in the IOA PARM library, and restart the Control-O or CMEM monitor.

EXO20FE NO CMMPLEX MEMBER. CMEM FUNCTION NOT SUPPORTED

Explanation: During Control-O or CMEM start up, the CMEM Logger facility was required, but the CMMPLEX member containing the definition of the Logger was not found.

Initiation of CMEM fails. CMEM functions DO FORCEJOB and DO RESOURCE cannot be executed by Control-M.
Corrective Action: If the Logger should be used, create the CMMPLEX member in the IOA PARM library. If the Logger facility is not required, set the SYSLOGR parameter in the CMEMCOMM section of the IOACPRM member in the IOA PARM library to N. Once the member definitions are correct, restart the Control-O or CMEM monitor.

EXO210E INVALID DATE date IN A DO COND STATEMENT
Explanation: An invalid date reference format was used in a DO COND statement.
Valid date reference formats are:
- ODAT - Control-O or CMEM working date (default)
- DATE - Current Gregorian computer date
- PREV - Previously scheduled activation date for rule
- NEXT - Next scheduled activation date for rule
- mmdd - Month and day of the scheduling date
- ddmm - Day and month of the scheduling date
- %%%xx - An AutoEdit symbol
Corrective Action: Correct the date format, and reorder the rule table.

EXO212W CONTROL-O WAITING FOR SUBSYSTEM CONSOLE
Explanation: A Command-Response rule could not obtain a subsystem console because all valid subsystem consoles were in use by other Command-Response rules.
Command execution is delayed until the next Control-O interval, when a new attempt to obtain a subsystem console will be made.
Corrective Action: Check the Status screen for Command-Response rules which are executing. Verify that the number of Command-Response rules with a status of EXECUTING matches the number of subsystem consoles.
If this message is issued frequently, there may be an insufficient number of subsystem consoles to handle the Command-Response rules. In this case, increase the number of subsystem consoles in CTOPARM, and define new subsystem consoles to MVS accordingly. For information about defining subsystem consoles, see the Control-O chapter of the INCONTROL for z/OS Installation Guide.

EXO213E NO VALID SUBSYSTEM CONSOLE EXISTS
Explanation: A Command-Response rule could not obtain a subsystem console because no valid subsystem consoles were allocated by Control-O. The cause of the problem is probably in the subsystem console definition.
The command is not executed.
Corrective Action: Make sure that the NUMCONS parameter in CTOPARM is greater than zero, and that the correct number of subsystem consoles is defined in MVS. For information about defining subsystem consoles, see the Control-O chapter of the INCONTROL for z/OS Installation Guide.
If the console subsystem definition does not seem to be the cause of the problem, check for previous console allocation error messages, and contact BMC Software Customer Support.
EXO214E MAXIMUM NUMBER OF DO TSO/KSL REQUESTS WAS EXCEEDED. TSO/KSL PROCESSING IS ABORTED

Explanation: In the process of executing DO TSO or DO KSL requests, all of the TSP (TSO PARM) blocks in CSA or ECSA were used. Possible causes are:

- A JCL error in the TSO or KSL procedure.
- Started tasks in the system are not being processed due to system corrective measures, such as auxiliary storage shortage.

Further TSO or KSL requests are temporarily suspended until at least one TSP is available.

Corrective Action: If started tasks are not processed due to system corrective measures, wait until they run and their corresponding TSP blocks are freed.

If a started task failed due to a JCL error, perform the following recovery action:

1. Correct the JCL error.
2. Manually reissue the START command that Control-O previously issued, that is, S O2TTSOBCM,PARM=parm, where parm is in the console log or the Control-O JES log.

This action frees one TSP, and message EXO215I is issued when the next TSO or KSL request is processed. TSPs also become available when Control-O is brought down after a standard shutdown or an IPL.

EXO215I TSO/KSL PROCESSING IS RESUMED

Explanation: This information message indicates that normal TSO or KSL processing resumed. TSO or KSL processing was suspended as a result of a shortage of TSP blocks. For more details see message EXO214E.

Corrective Action: No action is required.

EXO216W REQUEST PROCESSING BYPASSED DUE TO CONTROL-O STANDALONE MODE

Explanation: A DO RESOURCE or DO FORCEJOB request was made when Control-M was not installed. These statements are not supported if Control-M is not installed.

The rule is not ordered.

Corrective Action: Correct the rule or install Control-M.

EXO217E COND name date NOT action BY CONTROL-O - SECURITY VIOLATION

Explanation: Control-O issued a DO COND request, but the prerequisite condition was not added or deleted. There is no authorization by the security exit to add or delete this condition in the IOA Conditions file.

The DO COND request is ignored and the rule continues execution.

Corrective Action: Contact your INCONTROL administrator.
EXO218E COMMAND cmdName NOT ISSUED BY CONTROL-O - SECURITY VIOLATION

Explanation: There is no authorization for the requested DO COMMAND statement. Security exit IOASE012 detected a violation. This exit is invoked for each command issued by a rule in which value OWNER or TRIGGER was specified for the RUNTSEC parameter.

The DO COMMAND statement is ignored and the rule continues execution.

Corrective Action: Contact your INCONTROL administrator.

EXO219E RUNTIME SECURITY CACHE INITIALIZATION ERROR - rsn

Explanation: This message indicates an internal error.

Control-O or CMEM continues to perform security checks without a security cache.

Corrective Action: Contact BMC Software Customer Support.

EXO21AE M2S FILE IS OF ANOTHER INSTALLATION QNAME qname1. IOA QNAME qName2 DSN dsn

Explanation: The Control-O or the CMEM monitor could not allocate the monitor to the Monitor to Subsystem (M2S) file of another IOA environment. During initialization the Control-O or the CMEM monitor compares the \texttt{qName} in the IOA environment with the \texttt{qName} in the M2S file. They should match.

CMEM stops. Control-O issues the CTO21FS and CTO21SE messages.

Corrective Action: Respond to the CTO21SE message. Then check the CTMPARM member and do one of the following:

- If it points to the wrong file, correct the name and start a new monitor.
- If there is no problem in the CTMPARM member, the M2S file was created in a different IOA environment. Delete the file and create a new M2S file using the correct IOA environment (IOAPARM).

EXO21BE S2M FILE FOR SMFID smfid IS OF ANOTHER INSTALLTION QNAME qName1. IOA QNAME qName2 DSN dsn

Explanation: The Control-O or the CMEM monitor could not allocate the subsystem to the Subsystem-to-Monitor (S2M) file of another IOA environment. During initialization the Control-O or the CMEM monitor compares the \texttt{qName1} in the IOA environment with the \texttt{qName2} in the S2M file. They should match.

CMEM stops. Control-O issues the CTO21FS and CTO21SE messages.

Corrective Action: Respond to the CTO21SE message. Then check the IOACPRM member and do one of the following:
If it points to the wrong file, correct the name, compile the member and start a new monitor.

If there is no problem in the IOACPRM member, the S2M file was created in a different IOA environment. Delete the file and create a new S2M file using the correct IOA environment.

EXO21CI M2S FILE FOR IOA QNAME qName. DSN=dsn

Explanation: This information message identifies the Monitor to Subsystem (M2S) file that the Control-O or the CMEM monitor allocated for communication with the Control-M monitor. QNAME is defined in the M2S file whose DSN is dsn.

Corrective Action: No action is required.

EXO21DI S2M FILE FOR SMFID smfid QNAME qName DSN=dsn

Explanation: This information message identifies the Subsystem-to-Monitor (S2M) file that the Control-O or the CMEM monitor allocated for communication with the Control-M monitor. QNAME is defined in the S2M file whose DSN is dsn.

Corrective Action: No action is required.

EXO21EE REPLY ABORT, CONTINUE OR TERMINATE

Explanation: The error described in message EXO21ES prevents communication between the Control-O monitor and Control-M. The response to this message determines the next action. The subtask is suspended until a response to this message is received.

Corrective Action: Select one the following responses:

- ABORT - Abend the Control-O monitor.
- CONTINUE - Disable communication with Control-M.
- TERMINATE - End Control-O monitoring with a return code of 8.

EXO21EI THE REPLY TO MESSAGE EX021EE WAS: reply

Explanation: The information message echoes the response to the message EXO21EE.

Corrective Action: No action is required.

EXO21ES SUBSYSTEM TO CONTROL-M MONITOR FUNCTION DISABLED

Explanation: An error occurred during initialization of Subsystem-to-Monitor (S2M) communication for the Control-O or the CMEM monitor. Initialization checks failed for the function that communicates with the Control-M monitor. For details, see earlier error messages in the JOBLOG or IOA Log file.

CMEM stops with a return code of 8. Control-O issues the message EXO21EE.

Corrective Action: Correct the problem and restart the CMEM monitor, or respond to the EXO21EE message.
EXO21FE SUPPORT FOR 'DO FORCEJOB' AND 'DO RESOURCE' IS DISABLED

Explanation: Either Control-O disabled communication with Control-M because of a CONTINUE response to the message EXO21EE, or a DO FORCEJOB or DO RESOURCE statement was encountered during execution of a Control-O rule with communication disabled.

DO FORCEJOB, DO RESOURCE and NEWCONLIST requests from Control-M are ignored.

Corrective Action: No action is required.

EXO250E RUNTIME SECURITY CLEANUP FAILED, RC=rc

Explanation: An error with the return code \textit{rc} occurred during interface with the locally used security product.

Control-O or CMEM continues working.

Corrective Action: Contact BMC Software Customer Support.

EXO251I RUNTIME SECURITY REFRESH ENDED OK

Explanation: This information message indicates a normal response to operator command \texttt{F CONTROLO,NEWSECDEF} or \texttt{F CTMCMEM,NEWSECDEF}. The runtime security cache containing previously handled security definitions was successfully refreshed.

If security definitions were changed, the new definitions are used.

Corrective Action: No action is required.

EXO252I SNMP REQUEST HOST=hostname PORT=portNumber SEVERITY=s TEXT=msgText

Explanation: This information message is an audit message that logs a DO SNMP request executed by Control-O.

Corrective Action: No action is required.

EXO253E SNMP REQUEST ERROR, RETURN CODE=rc, REASON CODE=rsn

Explanation: Control-O tried to send an SNMP request using a DO SNMP statement, but the request contained an error.

Possible return and associated reason codes are described in the following table:

<table>
<thead>
<tr>
<th>Return Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>00</td>
<td>Successful completion, minor errors discovered.</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>SHL value exceeds 70, truncated.</td>
</tr>
<tr>
<td>08</td>
<td>04</td>
<td>Failed to get local IP address.</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>Failure to get storage for an SNMP trap.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Allocation storage has failed.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Hostname could not be resolved.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>SNMP trap sending failed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Socket call failed.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Internal error; buildTrapMessage() failed.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>ISTACK parameter is specified in the IOAPARM member and the system has TCP/IP dual stack mode, but the specified stack is not running.</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>Invalid IPv6 destination. The destination contains the colon (:) character, but the address is not a syntactically valid IPv6 address.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>SNMP destination contains the colon (:) character, but IPv6 is not enabled in the z/OS system.</td>
</tr>
<tr>
<td>12</td>
<td>04</td>
<td>Missing SNMP message address.</td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>Invalid or missing SNMP message length.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Neither Destination Table nor HOST and PORT provided.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Bad or missing HOST parameter when no Destination Table.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Bad or missing PORT parameter when no Destination Table.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid Destination Table.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Specified Destination Table unavailable.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Specified Translation Table unavailable.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>An invalid IP address was provided in HOST</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Internal error.</td>
</tr>
</tbody>
</table>

The DO SNMP request is not sent, and fails.
Corrective Action: Notify the INCONTROL administrator.

EXO254E {CONTROL-O | CTMCMEM} SECURITY ENVIRONMENT CLEANUP FAILED BY USER EXIT RC=rc REASON=rsn

Explanation: The IOASECUR security module was unable to delete the security environment. This message indicates an internal error.

Corrective Action: Contact BMC Software Customer Support.

EXO255W CONTROL-O SERVER ERROR. SERVER id- rsn

Explanation: A server action cannot be performed because the server is not in the expected status. An action was attempted on a server that is either stuck or has disappeared. Server status is set to IN ERROR.

Corrective Action: Do the following:
1. Check the sysout of the server in error for the cause of the error.
2. Correct the detected errors, such as errors in the JCL.
3. Restart the server.

EXO256W DO request WAITING FOR id SERVER WAS REROUTED TO IMMEDIATE SERVER

Explanation: A DO KSL or TSO request waited for a server longer than the QWAIT time specified in the server definition in the CTOPARM member. The request is routed for execution in an Immediate server.

Corrective Action: To prevent this problem in the future, do one of the following:
- Define more servers.
- Increase the QWAIT time specification.

EXO257E DO request BY USER user WAS CANCELED - SECURITY VIOLATION

Explanation: A DO KSL or TSO request is not executed, because security exit CTOSE03 detected a security violation. Exit CTOSE03 is invoked for every DO KSL or TSO request issued by a rule in which value OWNER or TRIGGER is specified for the RUNTSEC parameter. The DO KSL or TSO request is not performed.

Corrective Action: Contact your IOA security administrator.

EXO258W DO request WAS DELAYED. NO IMMEDIATE SERVER AVAILABLE

Explanation: A DO KSL or TSO request designed for an Immediate server cannot be performed because all defined Immediate servers are busy. The request is executed in the next available Immediate server.
Corrective Action: Consider increasing the number of Immediate servers to be defined. The number of Immediate servers is specified in the SRVIMD# parameter in the CTOPARM member.

EXO259I VM/CP COMMAND EXECUTED, VMRC=rc, COMMAND=vm_cmnd

Explanation: This information message indicates that a DO COMMAND statement specifying the VM CP command `vm_cmnd` was successfully executed. This message also supplies the return code `rc` returned by the VM execution.

Corrective Action: No action is required.

EXO25AI TRAN transaction_id action_typ jobnam (jobId) STATUS=stat

Explanation: This information message provides information about a job request that either the Control-O or the CMEM monitor sent to Control-M in the communication file. It is output to the SYSPRINT SYSOUT file of the Control-O or the CMEM monitor. The next message provides more details about the request.

The variables in this message are:

- `action_typ` - Possible values are: FORCEJOB, RESOURCE, or COND (CMEM) monitor only
- `jobnam(jobId)` - The kind of job and the specific JES job ID that created the request.
- `stat` - Possible values are: S (Started), E (Ended), or O (Control-O event, On Spool job)

Corrective Action: Check the message that follows for more information about the job request.

EXO25BI TRAN transaction_id transaction_info

Explanation: This information message provides detailed information about a job request that either the Control-O or the CMEM monitor executed and sent to Control-M in the communication file (S2M). It is output to the SYSPRINT SYSOUT file of the Control-O or the CMEM monitor, and it always follows EXO25AI.

Corrective Action: No action is required.

EXO25CI CTD REQUEST MISSION date FORCE MISSION=missn CATEGORY=catgry

Explanation: This information message is an audit message that logs a DO CTD REQ executed by Control-O. It is always followed by EXO25GI.

Corrective Action: No action is required.

EXO25EE CTDCMI ERROR RETURN CODE=rc, CHECK CONTROL-O MONITOR SYSPRINT OR IOALOG FOR MORE INFORMATION

Explanation: Control-O tried to have Control-D force a mission using a DO CTD REQUEST statement, but the mission was not forced. The Control-D error message should appear on the SYSPRINT monitor or in the IOA log.

The DO CTD REQUEST fails. The mission is not forced.

Corrective Action: Notify the INCONTROL administrator.
EXO25FW MONITOR USE SYSPRINT SYSOUT INSTEAD OF ACTLOG SYSOUT

**Explanation:** Control-O monitor or CMEM monitor tries to write a message to ACTLOG sysout. The ACTLOG DD statement is missing from the Control-O or CMEM procedure.

The monitor writes the message to the SYSPRINT sysout. In the monitor address space this may cause ABEND S02A with a return code of 0C in some cases. Since the Monitor can recover itself from the abend, the monitor is not immediately terminated.

**Corrective Action:** Add the following DD statement to the Control-O procedure (CTOTROLO) and the CMEM procedure (CTMCMEM):

```
//ACTLOG DD OUTLIST,SYSOUT=OUT
```

EXO25GI CTD REQUEST MISSION *date* FORCE LIBRARY=*library*

**Explanation:** This information message is a continuation of message EXO25CI, and includes the library name.

**Corrective Action:** No action is required.

EXO260E EXECUTION OF VM/CP COMMAND ABORTED. RC=*rc*

**Explanation:** A DO COMMAND statement specifying a VM CP command failed. The return code *rc* indicates the cause of the error.

The specified command is ignored.

**Corrective Action:** The user response depends on the value of the return code (*rc*). The following table displays possible values for *rc*, together with their explanations and the appropriate user action.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
<th>User Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>MVS not running under VM.</td>
<td>Correct the rule containing this DO COMMAND statement.</td>
</tr>
<tr>
<td>8</td>
<td>Insufficient space (GETMAIN failed).</td>
<td>Increase the region size of the Control-O monitor.</td>
</tr>
<tr>
<td>12</td>
<td>IOAVMC not APF authorized.</td>
<td>Contact BMC Software Customer Support for assistance.</td>
</tr>
<tr>
<td>16</td>
<td>FREEMAIN error.</td>
<td>Contact BMC Software Customer Support for assistance.</td>
</tr>
</tbody>
</table>

EXO261I ATTEMPTING TO RECONNECT TO MVS SYSTEM LOGGER DUE TO ERROR *rsn*

**Explanation:** Control-O or CMEM has detected an MVS System Logger error, and is attempting to reconnect to the MVS System Logger.
In this message, rsn is a reason code that is documented in the IBM manual *MVS Programming: Assembler Services Reference*. Check that publication for the system action relevant to the reason code in the message. Each System Logger request is in a separate section of the guide. The reason codes are described in the topic “Return and Reason Codes” for the IXGWRITE System Logger request.

Control-O or CMEM tries several times to reconnect to the MVS System Logger.

**Corrective Action:** No action is required.

**EXO262E ATTEMPT TO RECONNECT TO MVS SYSTEM LOGGER FAILED**

**Explanation:** Control-O or CMEM detected an MVS System Logger error, and attempted several times to reconnect to the MVS System Logger, without success.

**Corrective Action:** No action is required.

**EXO263E MVS SYSTEM LOGGER ERROR - CMEM FEATURE DISABLED**

**Explanation:** Control-O or CMEM detected an MVS System Logger error. Either this error was so severe as not to be recoverable, or Control-O or CMEM attempted several times to reconnect to the MVS System Logger, without success.

Control-O or CMEM has stopped attempting to reconnect to the MVS System Logger. The CMEM facility is deactivated.

**Corrective Action:** If and when the MVS System Logger becomes operational, stop and restart the Control-O or CMEM monitor.

**EXO264E INCORRECT PORT PARAMETER portNumber WAS SPECIFIED. ONLY NUMERIC VALUE IS ALLOWED**

**Explanation:** Control-O tried to send an SNMP request using a port number parameter (portNumber) that was incorrect.

The DO SNMP request is not sent, and fails.

**Corrective Action:** Ensure that a correct port number is specified. Only numeric characters (from 0 through 9) are allowed.

**EXO281I user_message**

**Explanation:** This information message displays the message issued from a Control-O rule.

**Corrective Action:** No action is required.

**F34 messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
Messages F34400 through F344xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

F34491S OPEN OF DDNAME "DA34F" FAILED

**Explanation:** Open of the file containing the operator commands failed (the DA34F DD statement). The CTM34F program is usually activated as part of the New Day procedure. Possible causes are:

- The DA34F DD statement missing.
- The data set described by the DA34F DD statement does not exist, or cannot be opened for sequential read, or record length is not 80.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL of the job. For more information, see the *INCONTROL for z/OS Administrator Guide*.

F34492S OPEN OF IOA LOG FILE FAILED

**Explanation:** Open of IOA Log file failed at the DALOG DD statement. The CTM34F program is usually activated as part of the New Day procedure.

Possible causes are:

- The DALOG DD statement missing.
- The data set described by the DALOG DD statement is not the IOA Log file.
- The data set described by the DALOG DD statement is the IOA Log file but of another IOA monitor, or of a different IOA version.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL of the job.

F34493I {IOA34F | CTM34F} STARTS EXECUTING COMMANDS

**Explanation:** This information message indicates that the IOA34F or CTM34F program is ready to execute the operator commands from the supplied list. This program is usually activated as part of the New Day procedure.

**Corrective Action:** No action is required.

F34494W EXECUTING COMMAND command

**Explanation:** The specified operator command was issued by the CTM34F Control-M utility, probably as part of the New Day procedure. Every operator command executed by the Daily Subsystem is written to the IOA Log for security reasons.

**Corrective Action:** No action is required.
F34495I {IOA34F | CTM34F} FINISHED EXECUTING COMMANDS

**Explanation:** This information message indicates that the IOA34F or CTM34F program finished executing the list of operator commands. This program is usually activated as part of the New Day procedure.

**Corrective Action:** No action is required.

F34496E PROGRAM {IOA34F | CTM34F} IS NOT APF-AUTHORIZED

**Explanation:** The MVS operating system rejected the operator commands issued by the CTM34F program. The CTM34F program should reside in an APF-authorized library and must be link edited with the AC=1 attribute in order to be able to issue operator commands.

The issued commands are rejected. The CTM34F program terminates with a condition code of 08.

**Corrective Action:** The CTM34F program already has the AC=1 attribute. The INCONTROL administrator should verify that the library in which CTM34F resides is APF-authorized.

F34497S VM HOST NOT AVAILABLE

**Explanation:** An attempt was made to issue a VM command while MVS was not running under VM. A command whose name starts with the prefix CP was passed to the IOAOPR utility. This prefix signals to Control-M that the command is intended for a host VM operating system, but the IOAOPR utility detected that no VM environment was available.

**Corrective Action:** Verify that a VM environment is running before issuing VM CP commands.

F34498S LOAD OF MODULE IOAVMC FAILED

**Explanation:** The IOAOPR utility could not load the IOAVMC module.

**Corrective Action:** Verify that the IOAVMC module resides in the STEPLIB library.

F34499E INVALID VALUE "value" FOR "RESPONSE" KEYWORD

**Explanation:** The user entered a value other than YES or NO for the Response keyword.

**Corrective Action:** Correct the entry to either YES or NO.

Messages F34500 through F345xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

F34500I EXECUTING VM COMMAND cmd

**Explanation:** This information message is issued by the IOAOPR utility to indicate execution of a VM CP command cmd.

**Corrective Action:** No action is required.

F34501I CTM501I REPLY: reply

**Explanation:** The IOAOPR utility issues this information message to display the reply received as a result of issuing a VM CP command.
Corrective Action: No action is required.

F34502E CONVCON INVALID RC=rc REASON =rsn CONSOLE ID=cons_id CONSOLE NAME=consName

Explanation: A command was issued to a console identified as cons_id or by the console name consName, and the CONVCON service return code rc is not 0. When a command is issued to a console, the CONVCON service is called to verify the console. The return code from the CONVCON service that validates the console response is rc.

The command may be rejected depending on the CONVCON action.

Corrective Action: Refer to the authorized Assembler services guide to determine the reason for the error. Correct the error, and reissue the command.

FLW messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages FLW0 through FLW0xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

FLW001S OPEN OF DDNAME "DAFLOW" FAILED

Explanation: Open of jobs flow printout file failed in the DAFLOW DD statement of the CTMRFLW or CTMRAFL utility.

Possible causes are:
- The DAFLOW DD statement missing.
- The data set described by the DAFLOW DD statement cannot be accessed for sequential write.

The program stops executing with a condition code of 08.

Corrective Action: Correct the JCL for the job.

FLW002S OPEN OF DDNAME "DAJOB" FAILED

Explanation: Open of the scheduling tables file failed in the DAJOB DD statement of the CTMRFLW utility, or open of the Control-M Active Jobs file failed in the DACKPTIN DD statement of the CTMRAFL utility.

The DAJOB DD statement describes the production parameters tables on which a job flow report is requested. Many data sets or members can be concatenated to this DD statement. The DACKPTIN DD statement describes the Control-M Active Jobs file.

Possible causes are:
The DAJOB (DACKPTIN) DD statement missing.
The data set described by the DAJOB (DACKPTIN) DD statement cannot be opened for sequential read or record length is not 80 (600).
The program stops executing with a condition code of 08.
Corrective Action: Correct the JCL for the job.

FLW003E SCHEDULING TABLE(S) CONTAINS TOO MANY CARDS
Explanation: There are too many statements in the scheduling table or tables of the CTMRFLW utility. There are too many jobs to be analyzed in one run of the utility.
The program stops executing with a condition code of 08.
Corrective Action: Divide the scheduling tables list into two runs of the utility.

FLW004E SCHEDULING TABLE IS EMPTY
Explanation: The scheduling table does not contain any scheduling parameters for the CTMRFLW utility, or the Active Jobs file does not contain any job for the CTMRAFL utility. Scheduling tables described by the DAJOB DD statement do not contain any scheduling data for CTMRFLW.
The program stops executing with a condition code of 08.
Corrective Action: Correct the JCL for the job.

FLW005W A CYCLIC FLOW DETECTED IN GROUP grp, JOB FLOW MAY CONTAIN ERRORS
Explanation: A cyclic job flow detected in a group processed by the CTMRFLW or CTMRAFL utility. A cyclic flow detected inside a specific group may contain errors because there is no recognized parent to start a chain. The job flow of the specific group is terminated where the cyclic job flow is detected.
Corrective Action: Check the specified group using the Online Scheduling Definition Facility.

FLW006S OPEN OF DDNAME "SORTIN" FAILED
Explanation: Open of work file failed in the SORTIN DD statement of the CTMRFLW or CTMRAFL utility.
Possible causes are:
The SORTIN DD statement missing.
The data set described by the SORTIN DD statement cannot be opened for sequential write.
The program stops executing with a condition code of 08.
Corrective Action: Correct the JCL for the job.

FLW007S OPEN OF DDNAME "SORTOUT" FAILED
Explanation: Open of work file failed in DD statement SORTOUT of the CTMRFLW or CTMRAFL utility.
Possible causes are:
The DD statement SORTOUT is missing.

- The data set described by the DD statement SORTOUT cannot be opened for sequential read.

The program stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL for the job.

**FLW008S** SORT FAILED RC = *code*

**Explanation:** Internal sort failed in the CTMRFLW or CTMRAFL utility. The CTMRFLW or CTMRAFL utility activates the regular sort program of the installation. The return code is specific to the sort program.

The program stops executing with a condition code of 08.

**Corrective Action:** Check the sort program literature for the meaning of the sort return code, and correct the JCL for the job accordingly.

**FLW009E** A JOB FLOW LOOP DETECTED. CHART CANNOT BE COMPLETED FOR GROUP *grp*

**Explanation:** Although the input is valid for the Job Flow Report, a cyclic job flow, or loop, was detected in the specified group. As a result, a Job Flow Chart cannot be generated. In a job flow loop, it is impossible to determine which job is first. Therefore, the Job Flow Report program breaks the loop at a job it selects arbitrarily, places an asterisk (*) to the left of the job selected, and issues this message.

Report generation continues, but the Job Flow Chart is not produced.

**Corrective Action:** No action is required.

**FLW010E** MAXIMUM NUMBER OF DEPENDENCIES FOR JOB *jobName* EXCEEDED. ONLY FIRST 50 ARE TAKEN

**Explanation:** At least one job in the input tables depends on more than 50 other jobs. The Job Flow Chart can analyze up to 50 dependencies per job.

The chart is produced, but only the 50 first dependencies of that job are included.

**Corrective Action:** No action is required.

**FLW011I** CHART CONSISTS OF *pg_count* VERTICAL PAGES AND *pg_count* HORIZONTAL PAGES

**Explanation:** This information message indicates the number of logical pages produced.

**Corrective Action:** No action is required.

**FLW012W** INTERNAL ERROR DETECTED. CHART MAY CONTAIN ERRORS, CODE=**errCode**

**Explanation:** An internal error occurred.

The program proceeds, but it may contain a logical error.

**Corrective Action:** Provide the INCONTROL administrator with the message code and the error code specified in the error message.
FLW013I **** MESSAGES OF JOB FLOW REPORT ****

**Explanation:** This information message is the title of the Messages List and indicates the beginning of the list.

**Corrective Action:** No action is required.

FLW014E INTERNAL ERROR (CODE=err_cod), PROCESSING STOPPED

**Explanation:** An internal error occurred.

Processing stops.

**Corrective Action:** Provide the INCONTROL administrator with the Control-M message code and the error code specified in the error message.

FLW015S NUMBER OF LINES PER PAGE MUST BE A MULTIPLE OF 4

**Explanation:** The value specified in the PAGESIZE parameter is not a multiple of 4. For additional information regarding the PAGESIZE parameter, see the job flow chart in the chapter that describes KSL and the Reporting facility in the Control-M for z/OS User Guide.

Reports and charts are not produced.

**Corrective Action:** Correct the PAGESIZE parameter.

FLW016S LINE SIZE MUST BE A MULTIPLE OF 16 CHARACTERS

**Explanation:** The subparameter specified in the LINESIZE parameter is not a multiple of 16. See the job flow chart in the chapter that describes KSL and the Reporting facility in the KeyStroke Language (KSL) User Guide for additional information regarding the LINESIZE parameter.

Reports and charts are not produced.

**Corrective Action:** Correct the LINESIZE parameter.

FLW017I PREPARING CHART FOR GROUP grp (job_count JOBS IN GROUP)

**Explanation:** This information message indicates that CTMRFLW began preparing a chart for the specified group.

**Corrective Action:** No action is required.

FLW018E MAXIMUM CHART SIZE FOR GROUP grp EXCEEDED

**Explanation:** There are too many jobs and dependencies in the specified group. Internal capacity exceeded.

Chart cannot be produced for that group.

**Corrective Action:** If this occurs when the GROUP UNITED parameter is specified in the CTMRFLW batch utility, avoid using the UNITED subparameter for these tables. If the GROUP UNITED parameter was not specified, separate this group into several groups.

If the error occurred while you were trying to see a graphic jobflow in the Graphic Jobflow online screen, the limit of 15 levels of dependencies has probably been exceeded. In such a case, use the CTMRFLW utility to display the graphic jobflow.
FLW019I \text{CHARS=(char\_set, char\_set)} \text{ IN DD STATEMENT ddName} \\
\text{Explanation:} This informative message indicates the character sets and DD name used for printing the chart. \\
\text{Corrective Action:} No action is required.

FLW01AE \text{PROCESSING OF AJF FILE TERMINATED rsn} \\
\text{Explanation:} A problem arose while the Active Jobs file (AJF) was being processed. \\
In this message, \text{rsn} identifies the problem that caused this message to be issued. The explanation, system action, and user response depend on the value of \text{rsn}. \\
If the value of \text{rsn} is \text{GETMAIN}, there is insufficient storage space and the processing of the AJF stops. \\
If the value of \text{rsn} is \text{nnnnnn/ mmmm/ jobName}, an invalid field format was detected in an entry in the AJF. The variables in this version of the message identify the problematic entry. They are: \\
\begin{itemize}
  \item \text{nnnnnn} - the Relative Block Address (RBA) 
  \item \text{mmmmm} - the order ID 
  \item \text{jobName} - the job name 
\end{itemize} \\
Processing of the AJF stops. \\
\text{Corrective Action:} The user response depends on the value of \text{rsn}: \\
\begin{itemize}
  \item If the value of \text{rsn} is \text{GETMAIN}, increase the REGION size. 
  \item If the value of \text{rsn} is \text{nnnnnn/ mmmm/ jobName}, do the following: 
    \begin{itemize}
        \item Use the Zoom facility (Screen 3.Z) to check the entry, and print the contents of Screen 3.Z. 
        \item Copy the Active Jobs file, for use (if necessary) by BMC Software Customer Support. 
        \item Run the CTMRFLW utility, and print the output. 
        \item Send the printed contents of Screen 3.Z and the printed output of the CTMRFLW utility to your local BMC Software representative. 
    \end{itemize}
\end{itemize}

FLW0A1W \text{SPECIFIED LINESIZE TOO LARGE FOR CHARACTER SETS} \\
\text{Explanation:} The specified LINESIZE is too large to be printed by the specified character sets. For example, standard English character set GS10 supports up to 132 characters per line while GS12 supports up to 160 characters per line. If GS10 was specified with a LINESIZE of 144, this warning message would be displayed. If GS12 was specified, this warning message would not be displayed. \\
\text{Corrective Action:} Either correct the specified LINESIZE or change the character sets which are specified in the JCL procedure.

FLW0A2E \text{TOO MANY GROUP PARAMETER CARDS ARE SPECIFIED} \\
\text{Explanation:} The number of GROUP parameter statements exceeded the maximum allowed. Do not specify more than 10 GROUP statements for CTMRFLW. \\
The utility terminates without processing.
**Corrective Action:** Decrease the number of GROUP statements.

**FLW0A3E SPECIFIED GROUPS WERE NOT FOUND IN THE TABLE(S)**

**Explanation:** None of the names specified in the GROUP parameter was found in the table or tables. No table contains a job whose group name matches the GROUP name parameters. It is also possible that the table is empty.

The utility terminates without processing.

**Corrective Action:** Delete or correct the GROUP parameter statements.

**FLW0A4W MEMBER memName DEPENDS ON "|" CONDITIONS. THE "|" SIGN WAS IGNORED**

**Explanation:** Normal message issued by the CTMRFLW utility, when the memName member depends on | (OR) conditions.

When processing OR conditions, the utility ignores the | sign. Conditions are displayed without the | sign.

**Corrective Action:** No action is required.

**FLW0A5S OPEN OF DDNAME "DACTO" FAILED**

**Explanation:** Open of the Control-O rule tables specified by the DACTO DD statement failed. Possible causes are:

- The DACTO DD statement is missing.
- The data set described by the DACTO DD statement cannot be opened for sequential processing.

The CTMRFLW utility ends with errors.

**Corrective Action:** Check the JCL for the job. Correct it, and rerun the utility.

**FLW0A6I MANUAL CONDITIONS PRECEDED BY "*" WERE DETECTED AS CONTROL-O "DO COND" CONDITIONS**

**Explanation:** This information message indicates that the CTMRFLW utility detected the addition of manual conditions by Control-O rules using DO COND statements.

Manual conditions added by DO COND statements are marked with an asterisk * by the utility.

**Corrective Action:** No action is required.

**FMG messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
Messages FMGI00 through FMGIxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**FMGI50I BUILDING OF ECS COMMUNICATION DATASET STARTED**

**Explanation:** This information message indicates that the Enterprise Controlstation Communication Dataset formatting utility started allocating and formatting the Enterprise Controlstation Communication Dataset file.

**Corrective Action:** No action is required.

**FMGI51I BUILDING OF ECS COMMUNICATION DATASET ENDED**

**Explanation:** This information message indicates that the Enterprise Controlstation Communication Dataset formatting utility completed allocation and formatting of the Enterprise Controlstation Communication Dataset file normally.

**Corrective Action:** No action is required.

**FMGI52E BUILDING OF ECS COMMUNICATION DATASET FAILED**

**Explanation:** The Enterprise Controlstation Communication Dataset formatting utility failed.

**Corrective Action:** Look for an earlier error message that describes the type of error.

**FMGI53E OPEN OF DDNAME DAM2G FAILED**

**Explanation:** The Enterprise Controlstation Communication Dataset formatting utility failed to open the Enterprise Controlstation Communication Dataset file that is allocated to the DAM2G DD statement. Possible causes are:

- The DAM2G DD statement is missing.
- There is insufficient memory for the job.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL and rerun the job.

**FMGI54E I/O ERROR OCCURRED WHILE BUILDING THE ECS COMMUNICATION DATASET**

**Explanation:** An I/O error occurred in the Enterprise Controlstation Communication Dataset formatting utility while formatting the Enterprise Controlstation Communication Dataset file. The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the file DCB parameters, and rerun the job. If necessary, contact BMC Software Customer Support.
FMGI55E THE SIZE OF SHOUT TO ECS COMMUNICATION DATASET IS NOT SET CORRECTLY

**Explanation:** An invalid value was specified on installation for the M2GSIZE parameter. The utility stops executing with a condition code of 08.

**Corrective Action:** Specify a valid value for the M2GSIZE parameter, and rerun the file creation process.

If this message was issued in a customized installation, do the following to set a valid value for the M2GSIZE parameter:

1. Open the IOA Installation and Customization Engine (ICE).
2. On the ICE Main Menu, select Installation.
3. On the IOA Installation screen, select Customized installation.
4. Set the Product ID to IOA, type 2 (INSTALL IOA) in the OPTION field, and press Enter.
5. Select Major Step 21 (Install Control-M Application Server), Minor Step 2 (Shout to Control-M/EM Parameters).
6. Change the value of the M2GSIZE parameter.

If this message was issued in a Default installation, save and exit the installation, change the value using the ICE Main Menu Customization option, run the job, and then return to the Default installation.

If this message was issued in a cloning installation, you first need to finish the cloning installation and then change the value using the ICE Main Menu Customization option. For more information, see the “Customizing INCONTROL products” section of the INCONTROL for z/OS Installation Guide.

FMGI56W SHOUT TO ECS COMMUNICATION DATASET OVERFLOWED. SOME MESSAGES MAY BE LOST

**Explanation:** The number of Shout messages written to the Enterprise Controlstation Communication Dataset file exceeded the available space. The Enterprise Controlstation Communication Dataset file contains a fixed number of blocks determined by the M2GSIZE parameter. Each block may contain one Shout message. Each time a Shout message is read from the file, a block is freed. Messages are being written to the file faster than they are read.

Old messages in the file are overwritten by newer Shout messages.

**Corrective Action:** If this condition occurs regularly, increase the size of the Enterprise Controlstation Communication Dataset file.

FOR messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages FORM00 through FORMxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
FORM20I CONTROL-D FOREIGN REPORT RESTORE ENDED O.K.

Explanation: This information message indicates that a foreign report was successfully restored as a Control-D report.
Corrective Action: No action is required.

FORM21E CONTROL-D FOREIGN REPORT RESTORE FAILED

Explanation: The CTDFOR utility failed to restore the foreign report file. The CTDFOR utility terminates. The foreign report is not restored.
Corrective Action: Examine other messages to determine the cause of the failure. Fix the problem, and rerun the CTDFOR utility.

FORM27E THE PARAMETER parm MUST BE SPECIFIED FOR CTDFOR UTILITY

Explanation: The parm parameter must be specified for the CTDFOR utility. The CTDFOR utility terminates.
Corrective Action: Add the missing parm parameter, and rerun the CTDFOR utility.

FORM28E INVALID PARAMETER:- parm

Explanation: An invalid parameter (parm) was provided to the CTDFOR utility. The CTDFOR utility terminates.
Corrective Action: Fix the invalid parm parameter, and rerun the CTDFOR utility.

FORM29E REDUNDANT PARAMETER:- parm

Explanation: The same parameter (parm) was specified twice for the CTDFOR utility. The CTDFOR utility terminates.
Corrective Action: Remove the redundant parm parameter, and rerun the CTDFOR utility.

FORM2AE INVALID DATE SPECIFIED:- dateVal

Explanation: The date value (dateVal) specified in the REPDATE input parameter is a non-numeric value. The CTDFOR utility terminates.
Corrective Action: Correct the invalid value in the REPDATE input parameter and rerun the utility.

FORM2BE GETPRM ROUTINE FAILED RC = rc

Explanation: An invalid parameter was specified for the CTDFOR utility. The parameter name, parameter content, or parameter syntax is invalid. The CTDFOR utility is terminated.
Corrective Action: Fix the parameters following the SYSIN DD statement, and rerun the CTDFOR utility.
FORM2CE SYSDATA RECORD ALREADY EXISTS IN ACTUSR. SKEY=key

Explanation: The CTDFOR utility tried to add a sysdata to the Active User Report List file (ACTUSR) but the sysdata already exists. The sysdata probably exists because the utility was previously run with the same input data.

The CTDFOR utility continues processing.

Corrective Action: No action is required.

FORM2DE USER RECORD ALREADY EXISTS IN ACTUSR. UKEY=key

Explanation: The CTDFOR utility tried to add a user record to the Active User Report List file (ACTUSR) but the record already exists. The user record probably exists because the utility was previously run with the same input data.

The CTDFOR utility continues processing.

Corrective Action: No action is required.

FORM2EI USER PARAMETERS FOR FOREIGN REPORT RESTORE: inputStmt

Explanation: This information message displays the input parameters provided by the user for the CTDFOR utility.

Corrective Action: No action is required.

FORM2FS UNKNOWN PRODUCT NAME PROVIDED IN PRODUCT= PARAMETER: parm

Explanation: A product name specified in the parm PRODUCT parameter is unknown to the CTDFOR utility. It is not the name of a product supported by the utility.

The CTDFOR utility terminates.

Corrective Action: Set the PRODUCT parameter to the name of a supported product.

FORM30E CONVERSION ROUTINE FAILED. RC = rc

Explanation: The conversion routine called by the CTDFOR utility failed to convert the report file to a CDAM file.

The CTDFOR utility terminates.

Corrective Action: Examine other messages to determine the cause for the conversion routine failure. Correct the problem and rerun the CTDFOR utility.

FRM messages

This group includes messages for the Control-M for z/OS and Control-D products.

Messages FRM400 through FRM4xx

This group includes messages for the Control-M for z/OS and Control-D products.
FRM450S OPEN OF WORK FILE FAILED - DDNAME "DAJ OBLST". PLEASE CHECK THE MESSAGES AND CODES MANUAL

**Explanation:** The New Day procedure was unable to open the file pointed to by the DAJ OBLST DD name for update.

After reading the list of CDAM files to be deleted from the file pointed to by DAJ OBLST, the New Day procedure empties the file and writes one record indicating that there are no more entries. Possible causes are:

- File not found on the disk.
- Incorrect security authorization.

**Corrective Action:** Determine the reason for the problem, and correct it. Reinstall Control-M/Rerstart.

FRM451I taskType taskName ODATE odate ORDERID orderId DELETED - MAXWAIT EXCEEDED

**Explanation:** This information message is issued during the New Day procedure. It indicates that a job or group entity has been deleted from the Active Jobs file because the MAXWAIT of the job or group entity was exceeded.

The MAXWAIT parameter sets a maximum limit to the time that a task can wait for execution. For more information, see the description of the MAXWAIT parameter in the *Control-M for z/OS User Guide*.

The variables in this message are:

- **taskType** - the type of task that was deleted

  Valid values are:

<table>
<thead>
<tr>
<th>taskType</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOB</td>
<td>The task was a job.</td>
</tr>
<tr>
<td>GRP ENTITY</td>
<td>The task was a group entity.</td>
</tr>
</tbody>
</table>

- **taskName** - the name of the job or group entity that was deleted
- **odate** - the ODATE of the job or group entity that was deleted
- **orderId** - the order ID of the job or group entity that was deleted

The **taskName** job or group entity is removed from the Active Jobs file.

**Corrective Action:** No action is required.

FRM452I FORMATTING OF activeFile STARTED

**Explanation:** This information message indicates that the Control-M Active Jobs file (AJF) or the Control-D Active Missions file (AMF) is currently being formatted.

**Corrective Action:** No action is required.
FRM453S OPEN OF DATES CONTROL RECORD FAILED. DDNAME "DACHK"

Explanation: Open of Control-M or Control-D Date Control record failed in the DACHK DD statement. This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program as part of the New Day procedure.

Possible causes are:
- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement is not the Control-M or Control-D Date Control Record.

Corrective Action: Correct the JCL for the New Day procedure.

FRM454E FORMAT (format_pgm) ALREADY RUN TODAY

Explanation: An attempt was made to run the New Day procedure twice in the same day. The New Day procedure issues format_pgm. This program should not run more than once a day.

Possible values of format_pgm:
- CTMFRM - formats the Active Jobs file (AJF) in Control-M
- CTDFRM - formats the Active Missions file (AMF) in Control-D

The AJF or AMF is not formatted, but the New Day procedure continues to execute other programs in the program list.

Corrective Action: Check why the New Day procedure is being run twice, and whether jobs or missions were accidentally ordered twice because the General Date Control Record was erroneously modified.

FRM455S LAST FORMAT DATE GREATER THAN ORIGINAL SCHEDULING DATE IN DATES CONTROL RECORD

Explanation: The last format date is later than the original scheduling date in the Control-M Date Control record or the Control-D Date Control record. The New Day procedure issues this message. For more details refer to the appropriate user guide.

New Day processing stops.

Corrective Action: Correct the Control-M or Control-D Date Control record, and run the New Day procedure again.

FRM456S OPEN OF activeFile FAILED. DDNAME "ddName"

Explanation: Open of the Control-M Active Jobs file (AJF) or the Control-D Active Missions file (AMF) defined in the ddName DD statement failed. The New Day procedure calls the program that issues this message.

In Control-M, ddName is DACKPT and activeFile is the Active Jobs file (AJF).

In Control-D ddName is DAAMF and activeFile is the Active Missions file (AMF).

Possible causes of this message:
The _ddName_ DD statement is missing.

The data set described by the _ddName_ DD statement is not the AJF or the AMF.

The data set described by the _ddName_ DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure, and rerun it.

**FRM457S OPEN OF BACKUP FILE FAILED. DDNAME “DABKUP”**

**Explanation:** Open of backup file for the Active Jobs file (AJF) or Active Missions file (AMF) defined in the DABKUP DD statement failed.

This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is usually activated as part of the New Day procedure.

Possible causes of this message are:

- The DABKUP DD statement is missing.
- The data set described by the DABKUP DD statement is not the Active Jobs Backup file or Active Missions Backup file.
- The data set described by the DABKUP DD statement is the Control-M Active Jobs Backup file or the Control-D Active Missions Backup file, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure, and rerun it.

**FRM458S ERROR IN activeFile, RECORD 0. SHOULD BE FORMAT OR FREE**

**Explanation:** Record 0 of the _activeFile_ file contains incorrect data.

This error message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is usually activated as part of the New Day procedure.

In Control-M _activeFile_ is the Active Jobs file (AJF).

In Control-D _activeFile_ is the Active Missions file (AMF).

Possible causes of this message are:

- _activeFile_ is corrupt.
- The data set described by the DACKPT DD statement (Control-M) or the DAAMF DD statement (Control-D) is not _activeFile_ but is very similar to it.

Program execution stops with a condition code of 08.

**Corrective Action:** Check the validity of the data set described by the DACKPT or DDAMF DD statement. If necessary, correct the JCL, and rerun the New Day procedure.
If `activeFile` is corrupt, use a standard copy utility, like `IEBGENER`, to copy `activeFile`, and send it to BMC Software Customer Support. If necessary, run the FORMCKP utility to reformat the Active Jobs file or the CTFDRMF utility to reformat the Active Missions file. However, these utilities also erase all the jobs or missions in the respective files.

**FRM459I activeFile IS RESTORED FROM BACKUP**

**Explanation:** This information message indicates the beginning of a rerun of the New Day procedure after an earlier abend during the format of `activeFile`.

In Control-M, `activeFile` is the Active Jobs file (AJF).

In Control-D `activeFile` is the Active Missions file (AMF).

`activeFile` is restored from the appropriate backup file and processing continues normally.

**Corrective Action:** No action is required.

**FRM45AI taskType memName ODATE odate OID=orderId CYCLIC ATTRIBUTE REMOVED - MAXWAIT EXCEEDED**

**Explanation:** This information message indicates that the New Day procedure removed the cyclic attribute of the job to prevent further recycling. The cyclic job identified in the message was executing when the New Day procedure was being run. Therefore, it could not be removed from the Active Jobs file (AJF), although its MAXWAIT period had expired. To prevent further recycling of the job, its cyclic attribute is removed.

The job remains in the AJF with its changed `taskType`.

**Corrective Action:** No action is required.

**FRM45BI taskType memName ODATE odate CYCLIC ATTRIBUTE REMOVED - MAXWAIT EXCEEDED**

**Explanation:** This information message indicates that the New Day procedure removed the cyclic attribute of the job to prevent further recycling. The cyclic job identified in the message was executing when the New Day procedure was being run. Therefore, it could not be removed from the Active Jobs file (AJF), although its MAXWAIT period had expired. To prevent further recycling of the job, its cyclic attribute is removed.

The job remains in the AJF with its changed task type.

**Corrective Action:** No action is required.

**FRM45CE func OPERATION FOR "COM" FILE FAILED. RC=rc**

**Explanation:** An internal error occurred in the CTDCIO internal module while the Active Mission file was being formatted.

The Active Mission file is not formatted.

**Corrective Action:** Note the values of `func` and `rc` and contact BMC Software Customer Support.
FRM460S DATE CONTROL RECORD IS EMPTY

Explanation: The DACHKDD statement describes an empty data set or member.

For more information, see the descriptions of NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

Corrective Action: Correct the Control-M or Control-D Date Control Record and run the New Day procedure again.

FRM461S ERROR WHILE FORMATTING IOA CONDITIONS FILE

Explanation: I/O error while formatting the IOA Conditions file. Possible causes are:

- The data set described by the DARESF DD statement is not the IOA Conditions file.
- An I/O error occurred while reading the IOA Conditions file.

Program execution stops with a condition code of 08.

Corrective Action: Correct and run the New Day procedure again. In case of an I/O error, you may need to recreate the IOA Conditions file. This erases all the conditions from the file.

FRM462S INVALID LAST FORMAT DATE IN DATE CONTROL RECORD

Explanation: Invalid format of last format date in the Date Control Record. This message is issued by the CTMFRM or CTDFRM program, which is activated as part of the New Day procedure. The valid format is ddmmyy or mmddyy.

Possible causes are:

- Someone has modified the contents of the Date Control Record incorrectly.
- The record described by the DACHK DD statement is not the Control-M Date Control Record or the Control-D Date Control Record.

For more information, see the sections that describe NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

Corrective Action: Do one or both of the following, as necessary:

- Correct the JCL for the Daily Subsystem, and rerun it.
- Correct the format date in the Date Control Record, and rerun the New Day procedure.

FRM463S INVALID ORIGINAL SCHEDULING DATE IN DATE CONTROL RECORD

Explanation: Invalid original scheduling date in the Date Control Record. This message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is activated as part of the New Day procedure. The valid format is ddmmyy or mmddyy.

Possible causes are:
The record described by the DACHK DD statement is not the Control-M General Date Control Record or the Control-D General Date Control Record.

Someone modified the contents of the General Date Control Record incorrectly.

See the sections that describe NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide for more information.

Program execution stops with a condition code of 08.

**Corrective Action:** Do one or both of the following, as necessary:

- Correct the JCL for the New Day procedure and rerun it.
- Correct the original scheduling date in the General Date Control Record and rerun the New Day procedure.

FRM464S FILE ALLOCATED TO DDNAME "ddName" IS NOT YOUR activeFile

**Explanation:** The data set described by the ddName DD statement is not the file specified by activeFile.

In Control-M, ddName is DACKPT and activeFile is the Active Jobs file (AJF).

In Control-D ddName is DAAMF and activeFile is the Active Missions file (AMF).

Possible causes are:

- The data set described by the ddName DD statement is not the AJF or the AMF.
- The data set described by the ddName DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the problem in the data set name indicated by the specified DD statement, and run the New Day procedure again.

FRM465S FILE ALLOCATED TO DDNAME "DABKUP" IS NOT A BACKUP OF THE activeFile

**Explanation:** The data set described by the DABKUP DD statement is not a backup of activeFile.

In Control-M, activeFile is the Active Jobs file (AJF).

In Control-D activeFile is the Active Missions file (AMF). Possible causes are:

- The data set described by the DABKUP DD statement is not the AJF or the AMF.
- The data set described by the DABKUP DD statement is the AJF or the AMF, but of another Control-M or Control-D monitor, or of a different version of Control-M or Control-D.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the Control-M Date Control Record and rerun the affected procedure.
FRM466S NEED MORE MEMORY TO FORMAT *activeFile*

**Explanation:** There is not enough memory to format *activeFile*.

In Control-M, *activeFile* is the Active Jobs file (AJF).

In Control-D *activeFile* is the Active Missions file (AMF).

Program execution stops with a condition code of 08. Control-M and Control-D monitors will not start after this error.

**Corrective Action:** To enable monitors to start, increase REGION size and rerun the affected procedure.

FRM467I taskType memName ODATE odate OID=orderId DISREGARDED - MAXWAIT EXCEEDED

**Explanation:** The New Day procedure issues this information message to indicate that the MAXWAIT of a task was exceeded. The maximum waiting time for a task or mission is specified in the MAXWAIT parameter.

For more information, see MAXWAIT in the *Control-M for z/OS User Guide* or the *Control-D and Control-V User Guide*.

The task or mission is erased from the AJF or AMF. In the case of a task, the *memName* member of the odate original date is removed from the AJF.

**Corrective Action:** No action is required.

FRM468I FORMATTING OF *activeFile* ENDED

**Explanation:** This information message indicates that the New Day procedure finished formatting *activeFile*. This message is issued by the CTMFRM (Control-M) or CTDFRM (Control-D) program, which is activated as part of the New Day procedure.

In Control-M, *activeFile* is the Active Jobs file (AJF).

In Control-D *activeFile* is the Active Missions file (AMF).

**Corrective Action:** No action is required.

FRM469S OPEN OF IOA LOG FILE FAILED

**Explanation:** Open of IOA Log file failed. The message is produced by the New Day procedure. Possible causes are:

- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA monitor.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL and run the Daily again.
FRM46AI  memName ODATE  odate  DISREGARDED - MAXWAIT EXCEEDED

Explanation: This information message is issued by the Control-D New Day procedure. It indicates that the MAXWAIT of a job or mission has been exceeded.
The memName member is deleted from the Active Jobs file or Active Missions file.
Corrective Action: No action is required.

FRM470S ERROR WHILE FORMATTING THE activeFile, FILE WAS NOT FORMATTED

Explanation: An error occurred during formatting of activeFile. The New Day procedure issues this message.
In Control-M, activeFile is the Active Jobs file (AJF).
In Control-D activeFile is the Active Missions file (AMF).
Program execution stops with a condition code of 08.
Corrective Action: Look for a previous message that describes the type of error. Correct it and rerun the New Day procedure.

FRM481S OPEN OF WORK FILE FAILED - DDNAME "DAJ OBLST". DELETE OF ARCHIVED SYSOUTS FAILED

Explanation: Open for the DAJ OBLST file failed during the execution of the Control-M New Day procedure.
This error message is issued by the CTMDAS program, which is usually activated as part of the New Day procedure. The DAJ OBLST DD statement is probably missing.
Program execution stops with a condition code of 16.
Corrective Action: Make sure that CONTROLR is set to Y in CTMPARM.

FRM482S INIT OF RES FILE FAILED

Explanation: The New Day procedure failed to initialize the Control-M Resources file. An accompanying message identifies the reason for the failure.
The New Day procedure stops with an error, a return code of 12.
Corrective Action: Check the accompanying message to determine the reason for the problem, and correct the problem accordingly.

FRM484I FORMAT OF RESOURCE FILE HAS STARTED

Explanation: This information message indicates that the Control-M Resources file is currently being formatted. This procedure is usually part of the New Day procedure.
Corrective Action: No action is required.
FRM485I RESOURCE quantResource QUANTITY num WAS RELEASED BY CTMFRM

Explanation: This information message indicates that the CTMFRM format program cannot find the job that holds the specified quantity (num) of quantResource quantitative resources.

The system releases the quantitative resources for use by other jobs.

Corrective Action: No action is required.

FRM486E RESOURCE quantResource FOUND TO BE NOT BALANCED BY CTMFRM. CHECK AND ADJUST MANUALLY

Explanation: The number of quantResource quantitative resources currently in use exceeds the maximum defined for this resource. An error probably occurred during the monitor run on the previous day, since it is supposed to keep the resources balanced.

Corrective Action: Use the ADD, CHANGE and DELETE options on screen 4 to balance the Control-M Resources file.

FRM487I RESOURCE contResource IS HELD type - RELEASED BY FORMAT

Explanation: This information message indicates that the specified Control resource was released.

Valid values for type are:

<table>
<thead>
<tr>
<th>type</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>The resource is being used in Shared mode.</td>
</tr>
<tr>
<td>E</td>
<td>The resource is being used in Exclusive mode.</td>
</tr>
<tr>
<td>R</td>
<td>An unfulfilled critical path request for the resource.</td>
</tr>
</tbody>
</table>

The system releases the resource.

Corrective Action: No action is required.

FRM488I FORMAT OF RESOURCE FILE HAS ENDED

Explanation: This information message indicates that formatting of the new Control-M Resources file is complete and the resource is available.

Corrective Action: No action is required.

FRM489E OID=orderId FORMAT DETECTED MIT AND RESOURCE quantResource MISMATCH

Explanation: The quantResource Quantitative resource points to a job record (MIT) that is not its owner. Each resource in the Control-M Resources file points to the job record that owns it.

The system deletes the specified quantitative resource from the Control-M Resources file.

Corrective Action: No action is required.
FRM48AE FORMAT DETECTED MIT AND RESOURCE contResource MISMATCH

Explanation: The contResource Control resource points to a job record (MIT) that is not its owner. Each resource in the Control-M Resources file points to the job record that owns it. The system deletes the specified Control resource from the Control-M Resources file.

Corrective Action: No action is required.

Messages FRM600 through FRM6xx
This group includes messages for the Control-M for z/OS and Control-D products.

FRM617E INTERNAL ERROR - INVALID NAME OF THE ARCHIVED SYSOUT DATASET. DSNAME=dsn

Explanation: The name of Archived Sysout Data Set does not follow the Control-M/Restart naming conventions for this type of data set. This message is issued either by the Control-M New Day procedure, or by the CTMCOP utility during compress of the Control-M Active Jobs file.

Corrective Action: Contact BMC Software Customer Support for assistance.

FRM618E TOO MANY SYSOUT DATASETS SCHEDULED FOR DELETE - SOME WILL BE SKIPPED THIS TIME

Explanation: The number of Archived Sysout Data Sets scheduled for deletion exceeds the permitted number. This message is issued either by the Control-M New Day procedure or by the CTMCOP utility during compress of the Control-M Active Jobs file. The permitted value is one fifth of the Active Jobs file size.

Deletion of Archived Sysout Data Sets will be resumed during the next run of the New Day procedure or the CTMCOP utility.

Corrective Action: No action is required.

FRM637E THIS AUTOEDIT SYMBOL IS NOT ALLOWED HERE

Explanation: An AutoEdit symbol was specified in an environment in which it is not valid. Some AutoEdit symbols can be used in one environment only. For example, %%OYEAR cannot be used in utilities which are not submitted under Control-M.

The current process terminates.

Corrective Action: Specify an AutoEdit symbol that is valid for your environment.

FRM638S AUTOEDIT FAILED RC=rc

Explanation: An AutoEdit error occurred. An invalid AutoEdit statement or variable was encountered (with a return code of 12 or higher), or there was insufficient memory to perform the AutoEdit operation (a return code of 8).

The process terminates.
**Corrective Action:** If the return code was 8, increase memory. If the return code was 12 or higher, check the preceding message, and correct the erroneous statement or variable accordingly.

**FRM639S ACTIVE JOBS FILE (CKP) SIZE - PARM TABLE MISMATCH**

**Explanation:** The CKPSIZE parameter in CTMPARM is not the same as when the Active Jobs file (AJF) referenced by DD DACKPT was formatted. A change was made in the CKPSIZE parameter in CTMPARM after the Active Jobs file was formatted.

The job step or request terminates without performing the requested function.

**Corrective Action:** Adjust the CKPSIZE parameter according to the real size of the AJF, or reformat the AJF.

**FRM640I taskType taskName ODATE odate ORDERID orderId DELETED**

**Explanation:** This information message indicates that a job or group entity was deleted from the Active Jobs file.

The variables in this message are:
- **taskType** - the type of task that was deleted
- **taskName** - the name of the job or group entity that was deleted
- **odate** - the ODATE of the job or group entity that was deleted
- **orderId** - the order ID of the job or group entity that was deleted

The **taskName** job or group entity is deleted from the Active Jobs file.

**Corrective Action:** No action is required.

**FRM641S INVALID JOB RECORD DETECTED: jobName**

**Explanation:** A job record with an invalid format was detected during the New Day procedure. If the User Daily is run on a different computer without proper ENQ distribution software, such as GRS or MIM, a faulty record may be created in the Active Jobs file.

The faulty record is erased from the Active Jobs file.

**Corrective Action:** To avoid this problem, run all User Daily procedures on the CPU in which the Control-M monitor is running.

**Messages FRMB00 through FRMBxx**

This group includes messages for the Control-M for z/OS and Control-D products.
FRMB55E ERROR WHILE OPENING DD "DASCRLST". OLD PRINT PLAN FILES WILL NOT BE DELETED

Explanation: An error occurred while trying to write a print plan file name to the scratch list. The message is issued by the AMF formatting program. This program could not open the file referenced by DD DASCRLST. This could be because the entire corresponding DD statement is missing.

AMF formatting program continues processing.

Corrective Action: Verify that the DASCRLST DD statement exists in the JCL and that it references an existing file.

Messages FRML00 through FRMLxx

This group includes messages for the Control-M for z/OS and Control-D products.

FRML61E COPY TO HISTORY FILE FAILED: rsn REASON CODE: rc

Explanation: An error occurred while copying records from the Active Jobs file to the History Jobs file. The variables in this message are:
- rsn - the cause of the error
- rc - the reason code; this may contain additional information in certain cases

The Control-M New Day procedure terminates.

Corrective Action: Correct the cause of the error and rerun the Control-M New Day procedure. The enhanced checkpoint record can be used to continue the New Day procedure processing from the point at which the error occurred.

FRML63E HISTORY FILE PROCESSING MODULE NOT FOUND

Explanation: The attempt to load the CTMHCP or CTMFRH module failed. The name of the module that was not loaded appears in a previous error message. The load may have failed because the module does not exist in the IOA Load library.

The Control-M New Day procedure terminates.

Corrective Action: If History Jobs file processing is specified in the CTMPARM member, verify that the IOA Load library contains the required module.

FRML64I CTMFRM IS RUNNING IN HISTORY FILE CLEANUP MODE

Explanation: This information message indicates that the CTMFRM utility is currently cleaning the History Jobs file.

Corrective Action: No action is required.

FRML65W HISTORY FILE FREESPACE THRESHOLD REACHED

Explanation: This message is issued during New Day processing when there is insufficient free space in the History file to accommodate the entire Active Jobs file (AJF). The History file becomes full and New Day processing, processing stops.
New Day processing stops.

**Corrective Action:** Do the following:

1. Use the CTMHCLN utility to clean the History file.
2. If the error message is still displayed, use the CTMHCP utility to increase the size of the History file.

**FRML66S OPEN OF CONTROL-M HISTORY FILE FAILED. DDNAME "DAHIST"**

**Explanation:** The Control-M History Jobs file (HST) defined in the DAHIST DD statement could not be opened. The New Day procedure calls the program that issues this message.

A possible cause of this message is that the DAHIST DD statement is missing.

Program execution stops with a condition code of 08.

**Corrective Action:** Add the statement KEY=DAHIST to the ALCMDAS member in the IOA ENV library, and rerun the DELARCH step of the New Day procedure.

**FRML67S INTERNAL ERROR - ARCHIVED SYSOUT POINTER IS INVALID. ORDERID: jobId**

**Explanation:** During the New Day procedure, the Control-M Active Jobs file (AJF) was found to be corrupt, due to an internal error. The archived sysout of a job cannot be read.

In this message, `jobId` is the identity of the job that produced the archived sysout that cannot be read.

The New Day procedure does not delete the archived sysout for the `jobId` job.

**Corrective Action:** No action is required.

**FRS messages**

This group includes messages for the IOA (infrastructure) product.

**Messages FRS400 through FRS4xx**

This group includes messages for the IOA (infrastructure) product.

**FRS471S OPEN OF IOA CONDITIONS FILE FAILED. DDNAME "DARESC"**

**Explanation:** Open of IOA Conditions file failed (the DARESC DD statement).

This error message is issued by either the CTMFRM or the CTDFRM program, which is activated as part of the New Day Procedure.

Possible causes are:

- The DARESC DD statement is missing.
- The data set described by the DARESC DD statement is not the IOA Conditions file.

Program execution stops with a condition code of 08.
Corrective Action: Correct the JCL for the Daily Subsystem and rerun it.

FRS472S OPEN OF I OA SYNCHRONIZATION FILE FAILED. DDNAME "DASINC"

Explanation: Open of I OA Synchronization file failed in the DASINC DD statement. This error message is issued by either the CTMFRM or the CTDFRM program, which is activated as part of the New Day procedure.

Possible causes are:

- The DASINC DD statement is missing.
- The data set described by the DASINC DD statement is not the I OA Synchronization file.
- The data set described by the DASINC DD statement is an I OA Synchronization file, but it is of another Control-M or Control-D monitor, or of a different Control-M or Control-D version.

Program execution stops with a condition code of 08.

Corrective Action: Correct the JCL for the New Day procedure and rerun it.

FRS475S INVALID LAST FORMAT DATE IN DATE CONTROL RECORD

Explanation: Invalid format of last format date in the Date Control record. This message is issued by either the CTMFRM or the CTDFRM program, which is activated as part of the New Day procedure. The valid format is ddmmyy or mmddyy. Possible causes are:

- The record described by the DACHK DD statement is not the Control-M or Control-D Date Control record.
- Someone modified the contents of the Date Control Record incorrectly.

For more information, see the descriptions of NEW DAY processing in the Control-M and Control-D chapters of the INCONTROL for z/OS Administrator Guide.

Program execution stops with a condition code of 08.

Corrective Action: Do one or both of the following, as necessary:

- Correct the JCL for the New Day procedure, and rerun it.
- Correct the format date in the Date Control Record.

FRS476S LAST FORMAT DATE IN DATE CONTROL RECORD WAS MORE THAN 28 DAYS AGO

Explanation: The difference between the current working date (date-1) and the last format date in the Date Control Record is greater than 28 days. Possible causes are:

- Someone modified the contents of the Date Control Record incorrectly.
- The Control-M or Control-D monitor has not been used for more than 28 days. Correct the date to "yesterday."

Program execution stops with a condition code of 08.
**Corrective Action:** Correct the dates in the Date Control Record in the DACHK DD statement, and rerun the Daily Subsystem.

**FRS477S** FILE ALLOCATED TO DDNAME "DACNDF" IS NOT YOUR IOA CONDITION FILE

**Explanation:** The data set described by the DACNDF DD statement is not the required IOA Conditions file.

The CTMFRM or CTDFRM program issues this error message as part of the New Day procedure when one of the following occurs:

- The file allocated to the DACNDF DD statement is not the IOA Conditions file.
- The file allocated to the DACNDF DD statement is an IOA Conditions file, but for a different version, or for a different Control-M or Control-D monitor.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the New Day procedure and rerun it.

**FRS478I** FORMATTING OF IOA CONDITIONS FILE STARTED

**Explanation:** This information message indicates that the formatting of the IOA Conditions file was started by the New Day procedure. The CTMFRM or CTDFRM program clears all the conditions from the day following the last formatting date until the next working date, that is, the first date in the General Date Control Record.

**Corrective Action:** No action is required.

**FRS479I** FORMATTING OF IOA CONDITIONS FILE ENDED

**Explanation:** This information message indicates that the New Day procedure formatted the IOA Conditions file. The CTMFRM or CTDFRM formatting program that the New Day procedure called ended.

**Corrective Action:** No action is required.

**FRS480S** ERROR WHILE FORMATTING IOA CONDITIONS FILE

**Explanation:** An error occurred while formatting the IOA Conditions file by the New Day procedure. An earlier error message describes the type of error.

Program execution stops with a condition code of 08.

**Corrective Action:** Check the IOA Log or the utility output for a previous message concerning the error.

**FRS481I** CORRUPTED CONDITION WAS ERASED FROM FILE

**Explanation:** This information message indicates that the New Day procedure detected a corrupted condition in the IOA Condition file, and deleted it from the file.

The New Day procedure runs to completion.

**Corrective Action:** Try to identify the condition involved, and consider whether to add it manually to the file. If necessary, have your INCONTROL administrator contact BMC Software Customer Support for a fix to the problem.
FST messages

This group includes messages for the Control-O product.

Messages FST700 through FST7xx

This group includes messages for the Control-O product.

FST720I FORMATTING OF STATISTICS FILE STARTED

**Explanation:** This informative message is issued when the CTOFST Statistics Formatting utility starts formatting the Statistics file.

**Corrective Action:** No action is required.

FST721S STATISTICS FILE DYNAMIC ALLOCATION ERROR \( rc/rsn/dsn \)

**Explanation:** Dynamic allocation of the Statistics file dsn failed with the return code \( rc \) and reason code \( rsn \).

The CTOFST Statistics Formatting utility terminates with the return code 08.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* to determine the cause of the error, and correct the error accordingly. If not successful, contact BMC Software Customer Support.

FST722W STATISTICS FILE ALLOCATION ERROR - ACTIVE SMF ID DOES NOT MATCH PARAMETER SMF ID

**Explanation:** The SMF ID specified for the CTOFST Statistics Formatting utility does not match the active MVS SMF ID. The SMF ID for the CTOFST utility is specified in the input PARM string \( (parmSmfId) \). The current MVS SMF ID is specified in IEASMFxx of SYS1.PARMLIB \( (cpuSmfId) \). These SMF IDs must match.

No error is issued when the systems share the catalog, where the file is cataloged, and the disk, where the file was allocated.

A problem starting the Statistics task, in Control-O monitor, occurs when the systems do not share the catalogs or the disk. This usually occurs when the file should have been cataloged in the MASTER catalog of the target system \( (parmSmfId) \) and not the Master catalog of the system where the job was executed \( (cpuSmfId) \). In such a case, messages IKJ 56228I, CTO196S, and CTO185S will be issued and Control-O monitor will continue to work without collecting statistics.

The CTOFST utility terminates with a condition code of 04.

**Corrective Action:** Verify that the file was cataloged in the correct CATALOG. If it was not, DELETE the file and rerun the job on the correct system, where \( parmSmfId \) and \( cpuSmfId \) are the same. After reallocating the Statistics file start Control-O monitor or issue command ‘F control, STARTSTAT’ to start collecting the Control-O statistics.
FST723S STATISTICS FILE IN USE. FORMATTING CANNOT BE PERFORMED

**Explanation:** The CTOFST Statistics Formatting utility failed to format the Statistics file because the file is allocated to another user. The CTOFST Statistics Formatting utility attempts to allocate the Statistics file with DISP set to OLD.

The utility terminates with a return code of 08.

**Corrective Action:** Make sure that no user is allocated to the Statistics file, and rerun the job.

FST724E OPEN OF STATISTICS FILE FAILED

**Explanation:** The CTOFST Statistics Formatting utility could not successfully open the Statistics file.

The utility terminates with a return code of 08.

**Corrective Action:** Look for previous MVS error messages regarding the opening of the Statistics file. Correct the error and rerun the job.

FST725E OPEN OF MESSAGES FILE FAILED

**Explanation:** The CTOFST Statistics Formatting utility unsuccessfully attempted to open the Messages file specified in the SYSPRINT DD statement. An OPEN request was issued to the Messages file but was unsuccessful. A possible cause is that the SYSPRINT DD statement may not have been specified in the job stream.

The utility terminates with return code 08.

**Corrective Action:** Look for earlier MVS error messages regarding the opening of the Messages file. Correct the error, and rerun the job.

FST726S FORMATTING OF STATISTICS FILE ENDED WITH ERROR

**Explanation:** The formatting of the Statistics file was unsuccessful.

The CTOFST Statistics Formatting utility terminates with a return code of 08.

**Corrective Action:** Look for earlier error messages to determine the cause of the error. Correct the error and rerun the job.

FST729S WRITE OPERATION TO THE STATISTICS FILE FAILED

**Explanation:** A WRITE request failed during the formatting of the Statistics file.

The CTOFST Statistics Formatting utility terminates with a return code of 08.

**Corrective Action:** Delete the Statistics file. Then rerun the job, specifying the SMF ID volser and unit. Earlier MVS error messages regarding the Statistics file may indicate the cause of the error.

FST730I FORMATTING OF STATISTICS FILE ENDED SUCCESSFULLY

**Explanation:** This information message is issued when the CTOFST Statistics Formatting utility completes with no errors.

**Corrective Action:** No action is required.
FST731E INVALID PARAMETERS

Explanation: The DEFSTAT utility was called with incorrect parameters. The utility terminates with the return code 08.
Corrective Action: Correct the parameters and rerun the utility.

FTM messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages FTM100 through FTM1xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

FTM1T01 FILE TRANSFER STARTED

Explanation: This information message indicates that the File Transfer monitor was started.
Corrective Action: No action is required.

FTM1T3E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

Explanation: An invalid parameter was passed to the File Transfer monitor by an operator modify command. A list of valid modify parameters is displayed on the operator console following this message. The modify command is rejected.
Corrective Action: Enter an operator modify command with valid parameters.

FTM1T4S BLDL/ATTACH FAILED FOR TASK taskName

Explanation: Initialization of a File Transfer monitor internal task failed. The reason, system code, is on the computer log. Possible causes are:
- The task is not in the IOA Load library.
- There is insufficient memory for File Transfer monitor.
The File Transfer monitor shuts down.
Corrective Action: Refer to your system programmer for assistance. If necessary, increase the monitor REGION size.

FTM1T5S UNRECOVERABLE ERROR ENCOUNTERED

Explanation: An unrecoverable error occurred during operation of the File Transfer monitor, while trying to access to the Active Transfer file.
The File Transfer monitor shuts down.
Corrective Action: Examine relevant CTD9B1S-CTD9B9S messages, and take appropriate corrective action. If the problem is not resolved, send the IOA log and the CTDFTM file transfer monitor print-out to BMC Customer Support.

Messages FTM200 through FTM2xx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

FTM2T0I FILE TRANSFER MONITOR SHUTTING DOWN
Explanation: Highlighted, unrollable message.
This information message indicates that the File Transfer monitor is shutting down.
Corrective Action: No action is required.

FTM2T1S FILE TRANSFER MONITOR ENDED WITH ERROR
Explanation: This information message indicates that the File Transfer monitor ended with an error.
Corrective Action: In the printout of the File Transfer monitor, check the messages which preceded this FTM121S message for an indication of the cause of the error, and take appropriate corrective action.

FTM2T2W FILE TRANSFER MONITOR IS ACTIVE. QNAME "qName"
Explanation: Highlighted, unrollable message.
The user attempted to activate the File Transfer monitor when it was already active. More than one File Transfer monitor cannot be active at the same time.
The new File Transfer monitor is not activated.
Corrective Action: No action is required.

FTM2T5I validModifyParm
Explanation: This information message displays a valid modify parameter that can be used in File Transfer monitor operator commands. It is issued together with the FTM103E message.
Corrective Action: No action is required.

FTM2T8S RECIPIENT TREE WAS NOT LOADED BECAUSE OF ERROR - MONITOR IS TERMINATING
Explanation: The attempt to load the Recipient Tree failed. As part of the initialization process, the File Transfer monitor attempts to load the Recipient Tree.
The File Transfer monitor shuts down.
Corrective Action: Check other messages in the IOA log and JES log to determine why the Recipient Tree could not be loaded. Fix the Recipient Tree. Then try again to start the File Transfer monitor.
FTM2T9S NO RECIPIENTS WERE FOUND WITH IP ADDRESS. MONITOR IS TERMINATING

Explanation: The File Transfer monitor was unable to find a recipient with an IP address. The File Transfer monitor terminates.

Corrective Action: Contact BMC Software Customer Support.

FTM2TAS SUBTASK IS TERMINATED BY TIMEOUT FOR IPA = ipAdd.'

Explanation: The subtask has timed out and been terminated.

The monitor main task periodically checks the status of all its subtasks. When the CPU of a subtask has not changed since the last check, the subtask is considered to be inactive ("hanging"), and the main task of the monitor interrupts the subtask. The subtask is terminated.

Corrective Action: In the printout of the File Transfer monitor, and in the log of your PC session manager, check the messages which preceded this FTM121S message for an indication of the reason why the subtask was left inactive, and take appropriate corrective action.

FTM2TBS SUBTASK IS TERMINATED BY CANCEL REQUEST FOR IPA = ipAdd. PORT = portNumber.

Explanation: The File Transfer monitor subtask with the IP address identified in this message has been terminated by an operator modify CANCEL command.

The identified subtask is terminated.

Corrective Action: No action is required.

FTM2TCS THERE ARE NO ACTIVE SUBTASKS

Explanation: This information message indicates that the File Transfer monitor has no active subtasks.

Corrective Action: No action is required.

FTM2TDS FORMAT OF THE MODIFY COMMAND IS NOT CORRECT

Explanation: An invalid operator modify command has been entered.

The command is rejected.

Corrective Action: Correct and reissue the operator modify command.

For more information, see the File Transfer Monitor section in the Control-D chapter in the INCONTROL for z/OS Administrator Guide.

FTM2TES THE SUBTASK NUMBER IS NOT DIGITAL

Explanation: An invalid subtask number has been specified in an operator modify CANCEL command.

The command is rejected.

Corrective Action: Enter a valid subtask number and reissue the command.
FTM2TFS THE SUBTASK NUMBER EXCEEDS THE TOTAL NUMBER OF THE ACTIVE SUBTASKS

**Explanation:** The subtask number entered in an operator modify CANCEL command is invalid, because it is greater than the total number of active subtasks.

For more information, see the File Transfer Monitor section in the Control-D chapter in the *INCONTROL for z/OS Administrator Guide*.

The command is rejected.

**Corrective Action:** Enter a valid subtask number in the operator modify CANCEL command and reissue the command.

FTM2TGS SUBTASK IS ALREADY NOT ACTIVE FOR IPA = ipAdd PORT = portNumber

**Explanation:** The File Transfer monitor subtask with the IP address and port number identified in this message is already inactive.

The command is rejected.

**Corrective Action:** No action is required.

FTM2THS SUBTASK IS TERMINATED BY SUSPEND FOR IPA = ipAdd PORT = portNumber

**Explanation:** The File Transfer monitor subtask with the IP address and port number identified in this message has been terminated by an operator modify SUSPEND command.

The subtask is terminated.

**Corrective Action:** No action is required.

FTM2TIS IPA SPECIFIED IN THE CANCEL COMMAND IS NOT CORRECT.

**Explanation:** An invalid IP address was specified in an operator modify CANCEL command.

The command is rejected.

**Corrective Action:** Enter a correct IP address in the CANCEL command and reissue the command.

FTM2TJS THE INTERVAL PARAMETER VALUE IS NOT DIGITAL.

**Explanation:** An invalid File Transfer monitor sleeping interval has been specified in an operator modify command.

The File Transfer monitor sleeping interval must be a 3-digit number from 1 through 999 seconds.

For more information, see the File Transfer Monitor section in the Control-D chapter in the *INCONTROL for z/OS Administrator Guide*.

The operator modify command is rejected.

**Corrective Action:** Enter a valid value for the File Transfer monitor sleeping interval and reissue the command.
FTM2TKI THE MODIFY COMMAND cmdText IS ACCEPTED

**Explanation:** This information message indicates that the `cmdText` modify command has been accepted by the File Transfer monitor.

**Corrective Action:** No action is required.

FTO messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages FTOT00 through FTOTxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

FTOT01I TRANSFER START GROUP groupId REPORT repId

**Explanation:** This information message indicates that the transfer of the `repId` report in the `groupId` group from the Control-D Session Agent started.

**Corrective Action:** No action is required.

FTOT02I TRANSFER ENDED OK GROUP groupId, BYTES numBytes (trfr_rate BYTES/SEC), REPORT repId

**Explanation:** This information message indicates that the transfer of the `repId` report in the `groupId` group from the Control-D Session Agent ended successfully.

The variables in this message are:

- `groupId` - the identity of the group that contains `repId`
- `repId` - the identity of the report that was transferred
- `numBytes` - the number of bytes transferred
- `trfr_rate` - the transfer rate, in bytes per second

**Corrective Action:** No action is required.

FTOT04E FUNCTION func WAS SUPRESSED BY CTDSE27/CTDX027 EXIT GROUP groupId REPORT repId

**Explanation:** A File Transfer option function has been suppressed, either by Control-D Security Exit 27, or by Control-D User Exit 27.

The variables in this message are:
func - the File Transfer option function that was suppressed
groupId - the identity of the group that contains repId
repId - the identity of the report that was to be transferred

The repId report is not transferred.

**Corrective Action:** If you use Control-D Security Exit 27 to perform some special function instead of or in addition to the standard function, no intervention is required.
Otherwise, correct Control-D Security Exit 27 or Control-D User Exit 27.

FTOT05E UNEXPECTED RETURN CODE rc FOR FUNCTION func FROM CTDSE27/CTDX027 EXIT GROUP groupId REPORT repId

**Explanation:** An unexpected return code was returned by either Control-D User Exit 27 or Control-D Security Exit 27.

The variables in this message are:
- rc - the return code
- func - the function that was being performed when rc was returned
- groupId - the identity of the group that contains repId
- repId - the identity of the report on which the function was being performed

The transfer of repId from the Control-D Session Agent is terminated.

**Corrective Action:** Correct Control-D Security Exit 27 or Control-D User Exit 27.

FTOT06E ERROR IN FTOPARM errorText

**Explanation:** An error was found in the text of a member in the Control-D FTOPARM library.
The transfer of the current message from the Control-D Session Agent is terminated.

**Corrective Action:** Correct the problematic text in the Control-D FTOPARM library.

FTOT07E TRANSFER HAS BEEN TERMINATED GROUP groupId, BYTES numBytes (trfr_rate BYTES/SEC), REPORT repId

**Explanation:** The transfer of a report has been terminated.
The variables in this message are:
- groupId - the identity of the group that contains repId
- numBytes - the number of bytes transferred
- trfr_rate - the transfer rate, in bytes per second
- repId - the identity of the report that was being transferred

The transfer of repId is terminated.
Corrective Action: Examine accompanying messages that explain the reason for the termination of this transfer.

FTOT08E TRANSFER ENDED NOT OK GROUP groupId, BYTES numBytes (trfr_rate BYTES/SEC), REPORT repId

Explanation: The transfer of a report ended unsuccessfully (NOT OK).

The variables in this message are:

- groupId - the identity of the group that contains repId
- numBytes - the number of bytes transferred
- trfr_rate - the transfer rate, in bytes per second
- repId - the identity of the report that was being transferred

Corrective Action: Examine accompanying messages that explain the reason for the transfer ending NOT OK.
G - J

This group includes messages for the Control-M for z/OS (including Control-M/Assist, Control-M/Links for z/OS and Control-M/Restart), Control-D, Control-V and IOA products.

GIX messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages GIX0 through GIX0xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

GIX000I CONTROL-V GLOBAL INDEX utilityName STARTED

Explanation: This information message indicates that the utilityName Global Index utility started.

Corrective Action: No action is required.

GIX001I CONTROL-V GLOBAL INDEX utilityName ENDED OK

Explanation: This information message indicates that the utilityName Global Index utility finished successfully.

Corrective Action: No action is required.

GIX003I USER PARAMETERS: parm_1. . . parm_n

Explanation: This information message identifies the input parameters for the CTVUPGDB or CTDDBPRT utility.

Corrective Action: No action is required.

GIX004E INVALID DO= FUNCTION SPECIFIED

Explanation: The function specified in a DO statement is not valid.

The current utility stops.

Corrective Action: Correct the function name in the DO statement and rerun the job.

GIX005E INVALID PARAMETER: parm

Explanation: The parm input parameter for the CTVUPGDB or CTDDBPRT utility is not valid.

The utility stops.
Corrective Action: Correct the invalid input parameter and rerun the job.

GI X006E REDUNDANT PARAMETER: parm
Explanation: The parm input parameter for the CTVUPGDB or CTDDBPRT utility has already been specified. The same parameter is specified twice.
The utility stops.
Corrective Action: Delete the extra input parameter from the JCL and rerun the job.

GI X007E ERROR IN PARAMETERS: FODATE IS HIGHER THAN TODATE
Explanation: The specified starting order date (FODATE) is later than the specified ending order date (TODATE).
The utility stops.
Corrective Action: Correct the value of either FODATE or TODATE in the JCL and rerun the job.

GI X008E INVALID DATE SPECIFIED: date
Explanation: Either the starting order date (FODATE) or the ending order date (TODATE) is invalid. The correct format is DD/MM/YY.
In this message, date is the problematic FODATE or TODATE date.
The utility stops.
Corrective Action: Correct the value of the incorrect ODATE parameter and rerun the job.

GI X00BE INVALID PARAMETERS
Explanation: A parameter in the SYSIN stream for the CTVUPGDB utility is invalid. The error was detected during analysis of input parameters.
The CTVUPGDB utility stops.
Corrective Action: Examine other messages relating to the CTVUPGDB utility to identify and fix the problem, and rerun the utility.

GI X00CE THE PARAMETER parm MUST BE SPECIFIED
Explanation: The parm input parameter for the CTVUPGDB utility is missing. The CTVUPGDB utility requires the parm parameter.
The CTVUPGDB utility stops.
Corrective Action: Insert the missing parameter in the JCL and rerun the job.

GI X00DE ERROR OPENING GLOBAL INDEX DATABASE. RC=rc
Explanation: The current utility or IOA application server could not open the Global Index database.
Global Index processing stops.
Corrective Action: Do the following:
If `rc` is 0 (meaning OK), examine the file names for the DAGIR and DAGIRI DD statements. Correct them, if necessary, and rerun the job.

If `rc` is not 0, for possible return code values and their meanings, see:

- if the Global Index is an IOA Access Method file, the GI XO10E message
- if the Global Index is a DB2 database, the CTDGI0S message

Examine the IOA log for messages clarifying the error. Correct the problem, and rerun the job.

If the problem persists, contact your INCONTROL administrator.

GI XO10E SET PATH FAILED. RC=`rc`

Explanation: The Global Index function could not establish a path for retrieving values. The required path does not exist in the Global Index database.

In this message, `rc` is the internal return code from the Global Index interface routine.

The explanations of the possible values of `rc` depend on whether the Global Index database is an IOA Access Method file or a DB2 database. These explanations appear in the following tables.

<table>
<thead>
<tr>
<th><code>rc</code></th>
<th>IOA Access Method Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>OK</td>
</tr>
<tr>
<td>04</td>
<td>End of file. Key not found.</td>
</tr>
<tr>
<td>12</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage.</td>
</tr>
<tr>
<td>24</td>
<td>Not enough storage in GIR file.</td>
</tr>
<tr>
<td>28</td>
<td>Not enough storage in GIRI file.</td>
</tr>
<tr>
<td>32</td>
<td>There is no DBO block.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid LRECL or KEYLEN in data or index file. Incorrect input parameter.</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued.</td>
</tr>
<tr>
<td>100 through 199</td>
<td>DBS error codes.</td>
</tr>
<tr>
<td>200 through 299</td>
<td>DBI error codes.</td>
</tr>
</tbody>
</table>
### DB2 Database Explanation

<table>
<thead>
<tr>
<th>rc</th>
<th>DB2 Database Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Invalid function</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued before value accessing</td>
</tr>
<tr>
<td>56</td>
<td>Error opening the CTDGI DB2 member</td>
</tr>
<tr>
<td>60</td>
<td>Invalid parameter found in the CTDGI DB2 member</td>
</tr>
<tr>
<td>64</td>
<td>Obligatory parameter missing from the CTDGI DB2 member</td>
</tr>
<tr>
<td>68</td>
<td>Duplicate parameter found in the CTDGI DB2 member</td>
</tr>
<tr>
<td>72</td>
<td>More than 10 fields found in a PATH description in the CTDGI DB2 member.</td>
</tr>
<tr>
<td>76</td>
<td>DB2 open error</td>
</tr>
<tr>
<td>80</td>
<td>Accessing path not present in the CTDGI DB2 member</td>
</tr>
<tr>
<td>84</td>
<td>SQL error</td>
</tr>
<tr>
<td>85</td>
<td>SQL error if time-out occurs</td>
</tr>
<tr>
<td>88</td>
<td>Error in loading the DB2 interface module</td>
</tr>
</tbody>
</table>

The current utility stops.

**Corrective Action:** Do the following:

1. Examine the return code to identify the problem.
2. Examine the IOA log for messages clarifying the error.
3. Correct the problem.
4. Rerun the current utility or restart the IOA Application server.
5. If necessary, contact your INCONTROL administrator.

**GI X014E ERROR OPENING \{SORTIN | SORTOUT\} FILE**

**Explanation:** The current utility could not open the SORTIN or SORTOUT temporary sorting file. The current utility ends with a return code of 08.
**Corrective Action:** Examine the SYSPRINT and system log for other messages that describe the error, and correct the problem accordingly.

**GI0X015E ERROR ALLOCATING STORAGE FOR utilityName**

**Explanation:** While executing the utilityName utility, the GETMAIN request failed. The GETMAIN request fails when there is not enough storage.

The utilityName utility ends with a return code of 08.

**Corrective Action:** Increase the region size in the appropriate JCL JOB or EXEC statement and rerun the utility.

**GI0X016E ERROR FREEING STORAGE FOR utilityName RC=rc**

**Explanation:** While executing the utilityName utility, the FREEMAIN request failed. FREEMAIN failed to free storage that GETMAIN allocated.

For an explanation of the return code (rc) in this message, see the IBM manual MVS Programming: Authorized Assembler Services Guide.

The utilityName utility ends with a return code of 08.

**Corrective Action:** No action is required.

**GI0X017E DYNAMIC ALLOCATION OF fileName FAILED, RC=rc, REASON CODE=rsn**

**Explanation:** Dynamic allocation failed. This error occurred when the CTVUPGDB utility tried to allocate the fileName file.

For an explanation of the internal return code (rc) and the reason code (rsn) in this message, see the IBM manual MVS Programming: Authorized Assembler Services Guide.

The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** Use the information provided by the return and reason codes to correct the problem. If necessary, contact your system programmer.

**GI0X018E DYNAMIC DEALLOCATION OF fileName FAILED, RC=rc, REASON CODE=rsn**

**Explanation:** Dynamic deallocation failed. This error occurred when the CTVUPGDB utility tried to deallocate the fileName file.

For an explanation of the return code (rc) and the reason code (rsn) in this message, see the IBM manual MVS Programming: Authorized Assembler Services Guide.

The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** No action is required.

**GI0X019E INTERNAL ERROR - PATH TREE NOT FOUND**

**Explanation:** The internal routine of the CTVUPGDB utility that scans the index tree encountered an empty path.
The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** Contact your INCONTROL administrator.

**GIX020E INTERNAL ERROR - ORPHAN SUBINDEX**

**Explanation:** The internal routine of the CTVUPGDB utility that scans lower level index trees encountered an empty parent path.

The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** Contact your INCONTROL administrator.

**GIX022E SORT FAILED RC=rc**

**Explanation:** The sort routine invoked by the CTVUPGDB utility ended with errors. The CTVUPGDB utility issues this message whenever the sort routine it invokes ends with a return code other than 0.

For an explanation of the return code value `rc`, refer to the documentation for your SORT utility.

The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** Do the following:

1. Examine the return code `rc` to identify the problem.
2. Correct the problem.
3. Rerun the current utility or restart the IOA Application server.
4. If necessary, contact your system programmer for assistance.

**GIX023E CTVGDB FAILED RC=rc**

**Explanation:** The CTVGDB routine invoked by the CTVUPGDB utility ended with errors. The CTVUPGDB utility issues this message whenever the CTVGDB routine it invokes ends with a return code other than 0.

Possible values for the internal return code from CTVGDB (`rc`) are explained in the following table:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>No values for subindex.</td>
</tr>
<tr>
<td>08</td>
<td>Error during open.</td>
</tr>
<tr>
<td>12</td>
<td>Error during close.</td>
</tr>
<tr>
<td>16</td>
<td>Error during GETMAIN operation.</td>
</tr>
<tr>
<td>20</td>
<td>Error during FREEMAIN operation.</td>
</tr>
<tr>
<td>24</td>
<td>Error during dynamic allocation.</td>
</tr>
<tr>
<td>28</td>
<td>Error during dynamic deallocation.</td>
</tr>
</tbody>
</table>

1741
The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** Do the following:

1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error and rerun the CTVUPGDB utility.
3. If necessary, contact your INCONTROL administrator.

**GI X024E parm PARAMETER INVALID. ONLY YES OR NO IS VALID**

**Explanation:** The value of the `parm` input parameter is invalid. The value of the `parm` parameter must be YES or NO.

The current utility stops.

**Corrective Action:** Correct `parm` in the JCL and rerun the utility.

**GI X025W MAXIMUM NUMBER OF PROCESSED INDEXES procIndex REACHED. PROCESSING STOPPED**

**Explanation:** The CTVUPGDB utility tried to add another main index to the Global Index database when it had already added the maximum number for this run. The MAXINDX parameter defines the maximum number of indexes that may be added to the Global Index database in each run of the CTVUPGDB utility.
The utility adds MAXINDX main indexes and ends with a return code of 04. Other indexes will be added during the next run of the CTVUPGDB utility.

**Corrective Action:** Increase the value of the MAXINDX parameter and run the CTVUPGDB utility again.

**GI026E parm PARAMETER INVALID. ONLY YES, NO OR ALL IS VALID**

**Explanation:** The value of the parm input parameter is invalid.

Valid values for the parm parameter are:

- YES
- NO
- ALL

The current utility stops.

**Corrective Action:** Correct the parm input parameter in the JCL, and rerun the utility.

**GI027E JOBID PARAMETER INVALID. SHOULD BE Jnnnnn or Jnnnnnnn**

**Explanation:** The JOBID input parameter is invalid. The format of the parameter name must be the character J followed by five or seven digits, depending on how your system is set up.

The utility stops.

**Corrective Action:** Correct the JOBID input parameter in the JCL, and rerun the utility.

**GI028W INDEX EXISTS IN GLOBAL INDEX DATABASE, USE FORCE PARAMETER TO ADD IT AGAIN**

**Explanation:** The CTVUPGDB utility is trying to add an index that is already in the Global Index database. The GI029I message, which follows the current message, provides details about the index that caused the error.

The index is not processed.

**Corrective Action:** To replace values in an existing index, run the CTVUPGDB utility with the FORCE input parameter set to YES.

**GI029I USER userName, REPORT reportName, JOBNAME jobName, JOBID jobId, ODATE orderDate**

**Explanation:** This information message provides detailed information about the situation that caused the GI028W message to be issued.

**Corrective Action:** No action is required.

**GI02AI INDEX: index DSNAME: dsn**

**Explanation:** This information message is issued by the CTVUPGDB utility before the GI017E error message and displays the index name and data set name of the index file for which the dynamic allocation error occurs.

The variables in this message are:
- **index** - the index name of the problematic index file
- **dsn** - the data set name of the problematic index file

The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** See the description of the GI017E message.

**GI02BE CHKPTID MEMBER memName IS IN USE**

**Explanation:** The *memName* CHECKPOINT member is in use by the CTVUPGDB utility, which has been invoked by another user.

The CTVUPGDB utility ends with a return code of 00.

**Corrective Action:** Try to run the utility again later.

**GI02CI WAITING FOR GLOBAL INDEX DATABASE index**

**Explanation:** The *index* Global Index file is being used by another task for writing data.

The CTVUPGDB utility checks the Global Index file every 30 seconds until its use by the other task ends and the file is released. The CTVUPGDB utility then starts.

**Corrective Action:** No action is required.

**GI02DE LIST=DB2 OR LIST=ONLY SHOULD BE SPECIFIED**

**Explanation:** The required LIST parameter is not specified or an incorrect value is specified.

The utility stops.

**Corrective Action:** Add the missing LIST parameter or set it to a valid value then rerun the job.

**GI02EW PATH NOT FOUND IN CTDGI DB2: pathName**

**Explanation:** The *pathName* Index path was not found in the CTDGI DB2 member, which contains a list of index path names.

This message is only issued if the LIST input parameter of the CTVUPGDB utility is set to DB2.

The CTVUPGDB utility does not unload the values of the *pathName* Index path into the sequential file from which they can be copied into the DB2 table.

**Corrective Action:** No action is required.

**GI02FE RECORD KEY vsaKey**

**Explanation:** This information message follows the CTD908S message. The GI02FE message identifies the VSA key of the record that was being accessed when the error occurred that caused the CTD908S message to be issued.

In this message, *vsaKey* is the VSA key of the problematic record.

The CTVUPGDB utility ends with a return code of 08.

**Corrective Action:** No action is required.
GI0031I  TO GLOBAL INDEX DATABASE WERE ADDED: reportsQuantity REPORTS, indexQuantity INDEXES, indexValueNum INDEX VALUES

Explanation: This information message identifies the data that was added to the Global Index database.
Corrective Action: No action is required.

GI0034S  INTERNAL ERROR CREATING TABLE tableName

Explanation: An internal error occurred in the CTVUPGDB utility. CTVUPGDB did not find the SYSDATA entry in the internal table.
The CTVUPGDB utility ends with a return code of 8.
Corrective Action: Contact your INCONTROL administrator.

GI0035E  INDEX tableName HAS INCORRECT LENGTH

Explanation: The CTVUPGDB utility tried to add a path that was already in the Global Index database with different length parameters. This message occurs during an attempt to change the length of the index value in the definition of the decollation mission for a path that is already in the Global Index database.
The CTVUPGDB utility continues without adding the values in the indicated path to the Global Index database.
Corrective Action: Either change the length of the index value in the definition of the decollation mission that is causing the incorrect path or delete the old path from the Global Index database.

GI0036I  GLOBAL INDEX HOUSEKEEPING UTILITY STARTED

Explanation: This information message indicates that the CTVGI CL Global Index housekeeping utility started.
Corrective Action: No action is required.

GI0037I  GLOBAL INDEX HOUSEKEEPING UTILITY ENDED

Explanation: This information message indicates that the CTVGI CL Global Index housekeeping utility ended.
Corrective Action: No action is required.

GI0038I  SEARCHING THE ACTIVE AND MIGRATED USER FILES

Explanation: This information message indicates that the CTVGI CL Global Index housekeeping utility started searching ACTIVE and MIGRATED user files. This message makes it easier to calculate how long it takes to run each stage of the housekeeping utility.
Corrective Action: No action is required.
GI039I DELETING VSA ENTRIES

**Explanation:** This information message indicates that the CTVGICL Global Index housekeeping utility started deleting VSA entries from the Global Index database. This message makes it easier to calculate how long it takes to run each stage of the housekeeping utility.

**Corrective Action:** No action is required.

GI03CE ERROR IN PARAMETERS

**Explanation:** The CTVGICL Global Index housekeeping utility detected one or more invalid parameters. CTVGICL detected the error while it was analyzing parameters.

The CTVGICL utility stops.

**Corrective Action:** Examine other messages relating to the job to identify and correct any errors, and rerun the utility.

GI03DE IOAMEM ERROR func memName, RC rc, REASON CODE rsn

**Explanation:** The CTVUPGDB Global Index utility could not read the specified library member of the CTD PARM library. CTVUPGDB was trying to read GLOBIDB or the member specified by the CHKPTID input parameter to see if the member needed to be restarted from the checkpoint as a result of an earlier abnormal ending.

The CTVUPGDB utility starts from the beginning to try to write the member.

**Corrective Action:** If there are no other messages, and the utility ended normally, no action is required. This message may be triggered by the first run of the CTVUPGDB utility. Otherwise, examine the other error messages and respond accordingly.

If the problem persists, report the information returned in the message to your INCONTROL administrator.

GI03EI INDEX PATH: pathName

**Explanation:** This information message is issued for each loaded Index Path by loading the Global Index immediately during decollation mission run.

In this message, `pathName` is the name of the loaded Index Path.

**Corrective Action:** No action is required.

GI03FE DELRPT FUNCTION FAILED. RC=rc

**Explanation:** The CTVGICL Global Index utility could not finish processing the DELRPT function. The CTVGICL utility invokes the DELRPT function to delete reports.

In this message, `rc` is the internal return code from the Global Index interface routine.

The explanations of the possible values of `rc` depend on whether the Global Index database is an IOA Access Method file or a DB2 database. These explanations appear in the following tables.

<table>
<thead>
<tr>
<th>rc</th>
<th>IOA Access Method Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>OK</td>
</tr>
</tbody>
</table>
### IOA Access Method Explanation

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>End of file. Key not found.</td>
</tr>
<tr>
<td>12</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage.</td>
</tr>
<tr>
<td>24</td>
<td>Not enough storage in GIR file.</td>
</tr>
<tr>
<td>28</td>
<td>Not enough storage in GIRI file.</td>
</tr>
<tr>
<td>32</td>
<td>There is no DBO block.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid LRECL or KEYLEN in data or index file. Incorrect input parameter.</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued.</td>
</tr>
<tr>
<td>100 through 199</td>
<td>DBS error codes.</td>
</tr>
<tr>
<td>200 through 299</td>
<td>DBI error codes.</td>
</tr>
</tbody>
</table>

### DB2 Database Explanation

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Invalid function</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued before value accessing</td>
</tr>
<tr>
<td>56</td>
<td>Error opening the CTDGIDB2 member</td>
</tr>
<tr>
<td>60</td>
<td>Invalid parameter found in the CTDGIDB2 member</td>
</tr>
<tr>
<td>64</td>
<td>Obligatory parameter missing from the CTDGIDB2 member</td>
</tr>
<tr>
<td>68</td>
<td>Duplicate parameter found in the CTDGIDB2 member</td>
</tr>
<tr>
<td>72</td>
<td>More than 10 fields found in a PATH description in the CTDGIDB2 member</td>
</tr>
<tr>
<td>76</td>
<td>DB2 open error</td>
</tr>
</tbody>
</table>
The CTVGICL utility stops.

**Corrective Action:** Do the following:
1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error.
3. Rerun the CTVGICL utility.
4. If necessary contact your INCONTROL administrator.

**GI03GI reportsQuantity REPORTS WERE SELECTED FROM file USER FILE**

**Explanation:** This information message indicates the number of reports selected for checking from the ACTIVE or MIGRATED user file by the CTVGICHK utility.

The variables in the message are:
- `reportsQuantity` - the number of selected reports.
- `file` - the type of Control-D user file. Can be ACTIVE or MIGRATED.

**Corrective Action:** No action is required.

**GI03HW NO REPORTS WERE SELECTED**

**Explanation:** No reports were selected by the CTVGICHK utility for checking.

The CTVGICHK utility ends with a return code of 4.

**Corrective Action:** Correct the input selection parameters in the JCL member and rerun the utility.

**GI040E DELPATH FUNCTION FAILED. RC=rc**

**Explanation:** The CTVGICL Global Index housekeeping utility could not finish processing the DELPATH function. The CTVGICL utility invokes the DELPATH function to delete paths.

In this message, `rc` is the internal return code from the Global Index interface routine. Possible values are explained in the following table.

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>OK</td>
</tr>
</tbody>
</table>

---

### DB2 Database Explanation

<table>
<thead>
<tr>
<th>rc</th>
<th>DB2 Database Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>Accessing path not present in the CTDGIDB2 member</td>
</tr>
<tr>
<td>84</td>
<td>SQL error</td>
</tr>
<tr>
<td>85</td>
<td>SQL error if time-out occurs</td>
</tr>
<tr>
<td>88</td>
<td>Error in loading the DB2 interface module</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>04</td>
<td>End of file. Key not found.</td>
</tr>
<tr>
<td>12</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage.</td>
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<td>24</td>
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<td>Not enough storage in GIRI file.</td>
</tr>
<tr>
<td>32</td>
<td>There is no DBO block.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid LRECL or KEYLEN in data or index file. Invalid input parameter.</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued.</td>
</tr>
<tr>
<td>100  through 199</td>
<td>DBS error codes.</td>
</tr>
<tr>
<td>200 through 299</td>
<td>DBI error codes.</td>
</tr>
</tbody>
</table>

The CTVGICL utility stops.

**Corrective Action:** Do the following:

1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error.
3. Rerun the CTVGICL utility.
4. If necessary contact your INCONTROL administrator.

**GI X041I** USER PARAMETERS FOR GLOBAL INDEX CLEAR *parmList*

**Explanation:** This information message displays the parameters specified for the CTVGICL Global Index housekeeping utility.

**Corrective Action:** No action is required.

**GI X042I** PATH DELETED: *pathName*

**Explanation:** This information message indicates that the CTVGICL Global Index utility deleted the *pathName* path from the Global Index database.

**Corrective Action:** No action is required.
GI043E ERROR IN DELPATH FOR pathName RC rc

Explanation: The DELPATH Global Index function could not delete the pathName path. The CTVGICL utility invokes the DELPATH function to delete paths. A possible cause for this error is that the PATH to be deleted was in use when DELPATH tried to delete it.

The variables in this message are:

- pathName - the problematic path
- rc - the return code

Valid values are shown in the following table:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>OK</td>
</tr>
<tr>
<td>04</td>
<td>End of file. Key not found.</td>
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<td>12</td>
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<td>100 through 199</td>
<td>DBS error codes.</td>
</tr>
<tr>
<td>200 through 299</td>
<td>DBI error codes.</td>
</tr>
</tbody>
</table>

DELPATH skips the path that caused the error and continues to delete the next path.

Corrective Action: Do the following:

1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error.
3. Rerun the CTVGICL utility.
4. If necessary contact your INCONTROL administrator.
GI0X044E parm PARAMETER INVALID. SHOULD BE AFTER PATH PARAMETER

**Explanation:** The parm input parameter for the CTVUPGDB Global Index housekeeping utility is in the wrong position. The ALT and BASELEN parameters may be specified only once each and must appear after the PATH parameter because they refer to a specific path.

The CTVUPGDB utility stops.

**Corrective Action:** Correct the input parameters in the JCL and rerun the job.

GI0X045W NO RECORDS WERE ADDED TO THE GLOBAL INDEX DATABASE

**Explanation:** The CTVUPGDB Global Index housekeeping utility did not add any records to the Global Index database.

The CTVUPGDB utility continues processing.

**Corrective Action:** To add records to the Global Index database, correct the input parameters in the JCL for the CTVUPGDB utility and rerun it.

GI0X046I LIST OF DELETED REPORTS:

**Explanation:** This information message is the header for a list of reports that the DELRPT function of the CTVGICL Global Index housekeeping utility deleted. The GI0X046I message is followed by one or more instances of the GI0X047I message.

**Corrective Action:** No action is required.

GI0X047I USER userName JOBNAME jobName KEY vsaKey - entryNum ENTRIES

**Explanation:** This information message identifies a report that was deleted by the CTVGICL utility. The first GI0X047I message in a series is preceded by either the GI0X046I or the GI0X041I message.

The variables in this message are:
- **userName** - the identity of the user of the report
- **jobName** - the identity of the job
- **vsaKey** - the identity of the VSA record
- **entryNum** - the number of deleted Global Index entries related to the specified report

**Corrective Action:** No action is required.

GI0X048I FROM GLOBAL INDEX DATABASE WERE DELETED: nr REPORTS, ne ENTRIES.

**Explanation:** This information message provides the number of reports and Global Index entries deleted by the current run of the CTVGICL utility.

The variables in this message are:
nr - the number of reports deleted
ne - the number of index entries deleted

Corrective Action: No action is required.

GIX049E file_typ USER FILE READ ERROR, RC=rc

Explanation: An error occurred while reading the User report list file.

The variables in this message are:

- file_typ - the type of User report list file, that is, ACTIVE or MIGRATED
- rc - the internal return code from the IOA Access Method interface routine

Valid values for rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>- Read operation: EOF.</td>
</tr>
<tr>
<td></td>
<td>- Add index operation: Duplicate Key.</td>
</tr>
<tr>
<td></td>
<td>- Update operation: Record was changed.</td>
</tr>
<tr>
<td>008</td>
<td>Duplicate key.</td>
</tr>
<tr>
<td>012</td>
<td>Incorrect record for update.</td>
</tr>
<tr>
<td>016</td>
<td>The record was not found (probably deleted), or</td>
</tr>
<tr>
<td></td>
<td>an invalid record was read, or the function is</td>
</tr>
<tr>
<td></td>
<td>not correct.</td>
</tr>
<tr>
<td>020</td>
<td>Insufficient memory to open an IOA Access</td>
</tr>
<tr>
<td></td>
<td>Method file.</td>
</tr>
<tr>
<td>024</td>
<td>Not enough space in data file.</td>
</tr>
<tr>
<td>028</td>
<td>Not enough space in index file.</td>
</tr>
<tr>
<td>032</td>
<td>The current call terminates because the previous</td>
</tr>
<tr>
<td></td>
<td>open failed.</td>
</tr>
<tr>
<td>036</td>
<td>Incorrect record length.</td>
</tr>
<tr>
<td>040</td>
<td>Internal error.</td>
</tr>
<tr>
<td>044</td>
<td>Internal error.</td>
</tr>
<tr>
<td>052</td>
<td>Invalid key fields.</td>
</tr>
<tr>
<td>056</td>
<td>Key is too long.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>------</td>
<td>------------------------------------------------------</td>
</tr>
<tr>
<td>058</td>
<td>For future use.</td>
</tr>
<tr>
<td>060</td>
<td>Index record does not match data record.</td>
</tr>
<tr>
<td>064</td>
<td>Wish WD1164 setting does not match file contents.</td>
</tr>
<tr>
<td>068</td>
<td>Incorrect parameter for Interface routine.</td>
</tr>
<tr>
<td>072</td>
<td>Incorrect file type.</td>
</tr>
<tr>
<td>106</td>
<td>Record not found.</td>
</tr>
<tr>
<td>108</td>
<td>Record not found. Invalid extent number.</td>
</tr>
<tr>
<td>109</td>
<td>Record not found. Invalid block number.</td>
</tr>
<tr>
<td>110</td>
<td>Internal error. Record not found. Invalid extent number.</td>
</tr>
<tr>
<td>111</td>
<td>Internal error. Record not found. Invalid block number.</td>
</tr>
<tr>
<td>112</td>
<td>Insufficient memory for internal buffers.</td>
</tr>
<tr>
<td>113</td>
<td>Open failed for database file.</td>
</tr>
<tr>
<td>114</td>
<td>RDJ FCB failed for database file.</td>
</tr>
<tr>
<td>116</td>
<td>Corrupted free list.</td>
</tr>
<tr>
<td>118</td>
<td>Corrupted record.</td>
</tr>
<tr>
<td>119</td>
<td>Record not found.</td>
</tr>
<tr>
<td>120</td>
<td>Invalid QNAME.</td>
</tr>
<tr>
<td>121</td>
<td>Bad record in free list.</td>
</tr>
<tr>
<td>122</td>
<td>Invalid data set name in control record.</td>
</tr>
<tr>
<td>124</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>128</td>
<td>IOAPARM load failed.</td>
</tr>
<tr>
<td>132</td>
<td>Add failed. Record too long.</td>
</tr>
<tr>
<td>rc</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>136</td>
<td>I/O error.</td>
</tr>
<tr>
<td>144</td>
<td>EXCP init error.</td>
</tr>
<tr>
<td>146</td>
<td>For future use.</td>
</tr>
<tr>
<td>148</td>
<td>Invalid data set name or DD name is too long.</td>
</tr>
<tr>
<td>150</td>
<td>Locate failed.</td>
</tr>
<tr>
<td>152</td>
<td>SVC 99 allocate failed.</td>
</tr>
<tr>
<td>154</td>
<td>SVC 99 unallocate failed.</td>
</tr>
<tr>
<td>156</td>
<td>Dual database not up to date - aborting.</td>
</tr>
<tr>
<td>158</td>
<td>For future use.</td>
</tr>
<tr>
<td>160</td>
<td>Link of IOADBF failed.</td>
</tr>
<tr>
<td>164</td>
<td>A dynamic allocation error occurred (for example, out of space condition, security problems). See dynamic allocation error messages in the job log.</td>
</tr>
<tr>
<td>166</td>
<td>Control record cannot be updated because it is not enqueued.</td>
</tr>
<tr>
<td>168</td>
<td>Update failed. Record too long. No room in block.</td>
</tr>
<tr>
<td>170</td>
<td>IOADBSB# load failed.</td>
</tr>
<tr>
<td>172</td>
<td>READQ failed. Another block is already enqueued.</td>
</tr>
<tr>
<td>174</td>
<td>Function OPEN0 (exclusively) failed.</td>
</tr>
<tr>
<td>176</td>
<td>Function UPDATE0 failed. Data corrupted.</td>
</tr>
<tr>
<td>178</td>
<td>Function UPDATE0 failed. No appropriate enq.</td>
</tr>
<tr>
<td>180</td>
<td>Buffering not initialized. Internal error.</td>
</tr>
<tr>
<td>182</td>
<td>ENQ error.</td>
</tr>
<tr>
<td>184</td>
<td>Error during record compression / decompression.</td>
</tr>
</tbody>
</table>
### GIX04AE GLOBAL INDEX READ ERROR, RC=rc

**Explanation:** An error occurred while reading data from the Global Index database.

In this message, rc is the return code from the Global Index interface routine.

The explanations of the possible values of rc depend on whether the Global Index database is an IOA Access Method file or a DB2 database. These explanations appear in the following tables.

<table>
<thead>
<tr>
<th>rc</th>
<th>IOA Access Method Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>OK</td>
</tr>
<tr>
<td>04</td>
<td>End of file. Key not found.</td>
</tr>
</tbody>
</table>

The CTVGI CL utility ends with a return code of 16.

**Corrective Action:** Do the following:

1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error and rerun the CTVGI CL utility.
3. If necessary contact your INCONTROL administrator.

---

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>186</td>
<td>Attempted to write the wrong extent of a multi-extent data set.</td>
</tr>
<tr>
<td>204</td>
<td>Record not found.</td>
</tr>
<tr>
<td>208</td>
<td>Error accessing the file.</td>
</tr>
<tr>
<td>212</td>
<td>Insufficient memory for internal buffers.</td>
</tr>
<tr>
<td>216</td>
<td>Internal error.</td>
</tr>
<tr>
<td>218</td>
<td>The structure of the index tree is corrupted. A key on a higher level of the tree does not match the last key on a lower level.</td>
</tr>
<tr>
<td>219</td>
<td>The structure of the index tree is corrupted. The indicated key value, or a higher value, was not found in the block.</td>
</tr>
<tr>
<td>220</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>224</td>
<td>Invalid timestamp</td>
</tr>
<tr>
<td>284</td>
<td>Invalid chain of index elements - rebuild index and rerun process.</td>
</tr>
</tbody>
</table>
### IOA Access Method Explanation

<table>
<thead>
<tr>
<th>rc</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage.</td>
</tr>
<tr>
<td>24</td>
<td>Not enough storage in GIR file.</td>
</tr>
<tr>
<td>28</td>
<td>Not enough storage in GIRI file.</td>
</tr>
<tr>
<td>32</td>
<td>There is no DBO block.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid LRECL or KEYLEN in data or index file. Incorrect input parameter.</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued.</td>
</tr>
<tr>
<td>100 through 199</td>
<td>DBS error codes.</td>
</tr>
<tr>
<td>200 through 299</td>
<td>DBI error codes.</td>
</tr>
</tbody>
</table>

### DB2 Database Explanation

<table>
<thead>
<tr>
<th>rc</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage.</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued before value accessing</td>
</tr>
<tr>
<td>56</td>
<td>Error opening the CTDGI DB2 member</td>
</tr>
<tr>
<td>60</td>
<td>Invalid parameter found in the CTDGI DB2 member</td>
</tr>
<tr>
<td>64</td>
<td>Obligatory parameter missing from the CTDGI DB2 member</td>
</tr>
<tr>
<td>68</td>
<td>Duplicate parameter found in the CTDGI DB2 member</td>
</tr>
<tr>
<td>72</td>
<td>More than 10 fields found in a PATH description in the CTDGI DB2 member</td>
</tr>
<tr>
<td>76</td>
<td>DB2 open error.</td>
</tr>
<tr>
<td>80</td>
<td>Accessing path not present in the CTDGI DB2 member</td>
</tr>
</tbody>
</table>

1756
The Global Index request is not performed.

**Corrective Action:** Do the following:

1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error.
3. Restart the IOA application server or rerun the job.
4. If necessary contact your INCONTROL administrator.

**GI X04BE DELETE REPORT FROM DB2 TABLE tableName FAILED, RC=rc**

**Explanation:** An attempt to delete report entries from a DB2 table failed.

The variables in this message are:
- `tableName` - the identity of the DB2 table
- `rc` - the internal return code from the DB2 Global Index interface routine

Possible values for `rc` are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Invalid function</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued before value accessing</td>
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<tr>
<td>56</td>
<td>Error opening the CTDGI DB2 member</td>
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<td>60</td>
<td>Invalid parameter found in the CTDGI DB2 member</td>
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<td>64</td>
<td>Obligatory parameter missing from the CTDGI DB2 member</td>
</tr>
<tr>
<td>68</td>
<td>Duplicate parameter found in the CTDGI DB2 member</td>
</tr>
</tbody>
</table>
Return Code | Explanation
--- | ---
72 | More than 10 fields found in a PATH description in the CTDGIDB2 member.
76 | DB2 open error
80 | Accessing path not present in the CTDGIDB2 member
84 | SQL error
85 | SQL error if time-out occurs
88 | Error in loading the DB2 interface module

The CTVGICL utility ends with a return code of 16.

**Corrective Action:** Do the following:
1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error.
3. Rerun the CTVGICL utility.
4. If necessary contact your INCONTROL administrator.

**GIX04CW REQUEST IS REJECTED. PLEASE TRY AGAIN LATER**

**Explanation:** A request to retrieve data from the Global Index DB2 database is rejected because the corresponding DB2 table is in use by another job that is loading or deleting data. This message is directed to the WebAccess user who issued the request.

The Global Index request is not performed.

**Corrective Action:** Reissue the request later.

**GIX04DE DELVAL FUNCTION FAILED, RC=rc**

**Explanation:** An error occurred while deleting an index value from the Global Index IOA Access Method database file.

In this message, rc is the internal return code from the Global Index interface routine. Possible values are explained in the following table.

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>OK</td>
</tr>
<tr>
<td>04</td>
<td>End of file. Key not found.</td>
</tr>
<tr>
<td>12</td>
<td>Invalid function.</td>
</tr>
</tbody>
</table>
### INCONTROL for z/OS Messages Manual

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>Not enough storage.</td>
</tr>
<tr>
<td>24</td>
<td>Not enough storage in GIR file.</td>
</tr>
<tr>
<td>28</td>
<td>Not enough storage in GIRI file.</td>
</tr>
<tr>
<td>32</td>
<td>There is no DBO block.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid LRECL or KEYLEN in data or index file.</td>
</tr>
<tr>
<td></td>
<td>Invalid input parameter.</td>
</tr>
<tr>
<td>48</td>
<td>SETPATH was not issued.</td>
</tr>
<tr>
<td></td>
<td>DBS error codes.</td>
</tr>
<tr>
<td>100</td>
<td>through 199</td>
</tr>
<tr>
<td>200</td>
<td>through 299</td>
</tr>
<tr>
<td></td>
<td>DBI error codes.</td>
</tr>
</tbody>
</table>

The CTVGICL utility ends with a return code of 08.

**Corrective Action:** Do the following:

1. Search the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error.
3. Rerun the CTVGICL utility.
4. If necessary contact your INCONTROL administrator.

**GI0X04EE PARAMETER DELPATH IS MISSING FOR DELVAL FUNCTION**

**Explanation:** The CTVGICL utility detected that the DO Control-D input parameter was set to DELVAL, but the DELPATH input parameter that is mandatory in this case was not found.

The CTVGICL utility ends with a return code of 08.

**Corrective Action:** Insert the DELPATH parameter in the JCL and rerun the job.

**GI0X04FE ERROR DELETING VALUE: indexValue, RC=rc**

**Explanation:** An error occurred while deleting an index value from the Global Index IOA Access Method database file.

The variables in this message are:
indexValue - the problematic index value
rc - the internal return code from the Global Index interface routine.

Possible values for rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>OK</td>
</tr>
<tr>
<td>04</td>
<td>End of file. Key not found.</td>
</tr>
<tr>
<td>12</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough storage.</td>
</tr>
<tr>
<td>24</td>
<td>Not enough storage in GIR file.</td>
</tr>
<tr>
<td>28</td>
<td>Not enough storage in GIRI file.</td>
</tr>
<tr>
<td>32</td>
<td>There is no DBO block.</td>
</tr>
<tr>
<td>40</td>
<td>Invalid LRECL or KEYLEN in data or index file.</td>
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<tr>
<td>48</td>
<td>SETPATH was not issued.</td>
</tr>
<tr>
<td>100  through 199</td>
<td>DBS error codes.</td>
</tr>
<tr>
<td>200  through 299</td>
<td>DBI error codes.</td>
</tr>
</tbody>
</table>

The CTVGICL utility ends with a return code of 08.

Corrective Action: Do the following:
1. Examine the IOA Log file and the relevant job log for messages clarifying the source of the error.
2. Correct the error.
3. Rerun the CTVGICL utility.
4. If necessary contact your INCONTROL administrator.

GI X04GI VALUE DELETED: indexValue

Explanation: This information message identifies the index value which is being deleted when you invoke the DO=DELVAL function of the CTVGICL utility.

In this message, indexValue is the identity of the index value that is being deleted.
Corrective Action: No action is required.

GI X041I FROM DB2TABLE tableName

Explanation: This information message identifies the DB2 table name from which the reports were deleted. This message is followed by one or several instances of messages GI X047I.

Corrective Action: No action is required.

GI X04J E REQUEST REJECTED. INDEX NAME/VALUE CANNOT BE SPECIFIED AS A MASK

Explanation: The index name or index value specified in the Control-D Web/Access Filter window contains a mask character (* or ?).

The request is rejected.

Corrective Action: Specify the index name or index value in the Filter in full, without any mask character, and reissue the request.

GI X04KE DB2 TABLE tableName READ ERROR, RC=rc

Explanation: An attempt to read data from a DB2 table failed.

The variables in this message are:

- tableName - the identity of the DB2 table
- rc - the internal return code from the DB2 Global Index interface routine

Possible values for rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>76</td>
<td>DB2 open error</td>
</tr>
<tr>
<td>84</td>
<td>SQL error</td>
</tr>
<tr>
<td>85</td>
<td>SQL error if timeout occurred</td>
</tr>
</tbody>
</table>

The CTVGICL utility skips this DB2 table and continues to work with other tables specified in the parameters.

Corrective Action: Do the following:

1. Examine the IOA Log file for messages clarifying the source of the error.
2. Correct the error and if the specified DB2 table should be cleaned, rerun the utility

GI X04LI FROM DB2 TABLE tableName WERE DELETED number ENTRIES

Explanation: This information message provides the number of entries deleted from the tableName DB2 table.

The variables in this message are:
**INCONTROL for z/OS Messages Manual**

- **tableName** - the name of the DB2 table
- **number** - the number of deleted entries

**Corrective Action:** No action is required.

**GI X04NI** USER *userName* JOBNAME *jobName* KEY *key* - entry

**Explanation:** This information message identifies a report that was deleted by the CTVGICL utility. The variables in this message are:

- **userName** - the identity of the user of the deleted report
- **jobName** - the identity of the job that created the deleted report
- **key - entry** - the identity of the VSA record key of the deleted report

**Corrective Action:** No action is required.

**GTM messages**

This group includes messages for the IOA (infrastructure) product.

**Messages GTM0 through GTM0xx**

This group includes messages for the IOA (infrastructure) product.

**GTM001W** *taskName*: COMMUNICATION IS NOT ACTIVE

**Explanation:** Communication with the Enterprise Manager gateway was disconnected. IOAGATE reported the disconnection to the application server of Control-M. The *taskName* task of the application server issues this message.

The application server waits until communication is connected again.

**Corrective Action:** Check IOAGATE messages to identify and fix the communication problem.

**GTM002W** *taskName*: NO RESPONSE RECEIVED WITHIN EXPECTED TIME INTERVAL

**Explanation:** The Enterprise Manager gateway did not respond to an IOAGATE transmission within the time allowed.

The Control-M application server waits for a message from the Enterprise Controlstation gateway.

**Corrective Action:** Check the Enterprise Manager gateway to find out why it is not responding.

**GTM003E** *taskName*: COMMUNICATION SLOWDOWN ENCOUNTERED

**Explanation:** IOAGATE buffers are full. IOAGATE can not accept any new messages from the Control-M application server. IOAGATE informs the application server. The *taskName* task of the application server tries to transmit again several times and, if it does not succeed, issues this message.
The Control-M application server stops.

**Corrective Action:** Check IOAGATE messages to try to identify and fix the problem. If necessary, contact BMC Software Customer Support.

GTM004E taskName : MBX INTERNAL ERROR ENCOUNTERED. FUNCTION: funcName RC=rc

**Explanation:** An internal error occurred in the MBX API.

The Control-M application server terminates.

**Corrective Action:** Contact BMC Software Customer Support.

GTW messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages GTWG00 through GTWGxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**GTWG00I** ENTERPRISE/CS MAINFRAME GATEWAY STARTED

**Explanation:** This information message indicates a normal start of MVS Gateway for Enterprise Controlstation.

**Corrective Action:** No action is required.

**GTWG01I** ENTERPRISE/CS MAINFRAME GATEWAY TRACE LEVEL IS SET TO debugLevel

**Explanation:** This information message indicates that the Enterprise Controlstation Mainframe Gateway DEBUG level was set by an operator modify command (F).

The TRACE level is set to a new level. Each TRACE level activates the trace option on different components of the Enterprise Controlstation Mainframe Gateway.

**Corrective Action:** No action is required.

**GTWG02E** ENTERPRISE/CS MAINFRAME GATEWAY NOT APF-AUTHORIZED

**Explanation:** The Enterprise Controlstation Mainframe Gateway is not APF-authorized. The CTWGTW module is not in an APF-authorized library or does not have the AC=1 attribute.

The Enterprise Controlstation Mainframe Gateway shuts down.

**Corrective Action:** Either add the library name in which CTWGTW resides to the IEAAPF00 member in SYS1.PARMLIB, or relink the module with the AC=1 attribute.
GTWG03E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

**Explanation:** An operator modify command (F) passed an erroneous parameter to the Enterprise Controlstation Mainframe Gateway. One or more GTWG25I messages are displayed on the operator console after this message, each containing a valid modify parameter.

The modify command is rejected.

**Corrective Action:** Enter a valid modify parameter.

GTWG04E BLDL/ATTACH FAILED FOR TASK `modName`

**Explanation:** Initialization of an IOAGATE internal task failed. The system code indicating the exact reason can be found in the system log. Possible causes are:

- The `modName` module is not in the IOAGATE Load library.
- Insufficient storage is available for the IOAGATE.

The IOAGATE shuts down.

**Corrective Action:** Call your system programmer for assistance. If necessary, increase the IOAGATE REGION size.

GTWG05E UNRECOVERABLE ERROR ENCOUNTERED

**Explanation:** An unrecoverable error occurred in the operation of the Enterprise Controlstation Mainframe Gateway. The IOA Log, or the Enterprise Controlstation Mainframe Gateway JES messages file or SYSPRINT file, should contain a message with more details about the error. See also, GTWA01W.

The Enterprise Controlstation Mainframe Gateway shuts down.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

GTWG06E ONE OF THE SUBTASKS HAS ABENDED

**Explanation:** One of MVS Gateway for Enterprise Controlstation's internal subtasks has abended.

MVS Gateway for Enterprise Controlstation shuts down with user abend 0006. A dump of the abending task is included in the SYSABEND output file.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

GTWG07I SHUT DOWN UPON REQUEST FROM OPERATOR

**Explanation:** This information message confirms that an operator command (P) was issued, requesting shutdown of MVS Gateway for Enterprise Controlstation. This message is followed by message GTWG20I, indicating completion of the shutdown.

MVS Gateway for Enterprise Controlstation starts to shut down.

**Corrective Action:** No action is required.
GTWG10E TRACE LEVEL MUST BE A NUMBER BETWEEN 0 AND 255

**Explanation:** An invalid TRACE level was entered, either in the operator modify command (F) or in the operator start command (S). When activating the Enterprise Controlstation trace facilities, specify a number from 0 through 255, inclusive, for the TRACE level. 0 specifies no tracing.

**Corrective Action:** Issue the command again with the correct TRACE level. The required TRACE level should be supplied by BMC Software Customer Support.

IOAGATE continues executing

GTWG11I SERVICE ID "id" IS {ENABLED | DISABLED}

**Explanation:** This information message confirms the current enable or disable status of service ID, after the operator has issued an operator modify command (F) that enables or disables it.

**Corrective Action:** No action is required.

GTWG20I CONTROL-M NJE GATEWAY SHUTTING DOWN

**Explanation:** This information message is issued when the Control-M NJE Gateway shuts down, either as a result of an operator command (P), or due to internal Control-M NJE Gateway events. The Control-M NJE Gateway log, the Control-M NJE Gateway JES messages file, or the SYSPRINT file usually contain additional messages concerning the reason for the shutdown.

The Control-M NJE Gateway shuts down.

**Corrective Action:** No action is required.

GTWG21S CONTROL-M NJE GATEWAY ENDED WITH ERRORS

**Explanation:** The Control-M NJE Gateway ended with an error. The Control-M NJE Gateway log, the Control-M NJE Gateway messages file, or the SYSPRINT file usually contain additional messages about the specific error.

The Control-M NJE Gateway shuts down.

**Corrective Action:** Check the Control-M NJE Gateway log or the system log for the reason. Call your system programmer for assistance if needed. Try to restart the Control-M NJE Gateway.

GTWG23I CONTROL-M NJE GATEWAY INTERVAL IS SET TO nn SECONDS

**Explanation:** This information message displays the current NJE Gateway sleeping interval after it is set by an operator Modify command (F).

The NJE Gateway wakes up every nn seconds to check what it must do.

**Corrective Action:** No action is required.

GTWG24E INTERVAL MUST BE A TWO-DIGIT NUMBER BETWEEN 03 AND 99 SECONDS

**Explanation:** Invalid Enterprise Controlstation Mainframe Gateway sleeping interval specified in an operator modify command (F). The Enterprise Controlstation Mainframe Gateway sleeping interval must be a 2-digit number from 03 to 99 seconds.
The modify command is rejected.

**Corrective Action:** Enter a valid sleeping interval.

**GTWG25I validParm**

**Explanation:** This information message accompanies message GTWG03E, which indicates that an invalid modify parameter was specified. This message contains a valid modify parameter. This message may appear more than once. Each occurrence lists another valid modify parameter.

**Corrective Action:** No action is required.

**GTWG30E CTGPUT FAILED. TASKID=taskId PUTID=putId RC=rc**

**Explanation:** Control-M NJE Gateway detected an internal error. Internal CTWPUT operation that was issued by PUTID putId, under subtask number taskId, failed with return code rc. If the return code was 20, a GETMAIN failure occurred above the 16M line.

For some errors, Control-M NJE Gateway shuts down. For other errors, operation continues.

**Corrective Action:** If Control-M NJE Gateway shuts down, contact BMC Software Customer Support. If rc was 20, increase the region size.

**GTWG31W YOUR IOA GATEWAY IS ALREADY ACTIVE. QNAME qName**

**Explanation:** Highlighted, unrollable message.

An attempt was made to start an Control-M NJE Gateway that was already active. Two Control-M NJE Gateways with the same QNAME cannot run at the same time in the same MVS. If resources are shared by more than one MVS, this restriction applies to every MVS that shares these resources.

The newly started Control-M NJE Gateway shuts down.

**Corrective Action:** No action is required.

**GTWG34E UNABLE TO OPEN DACONN PARAMETER FILE**

**Explanation:** The Control-M NJE Gateway main task failed to open the DACONN DD statement at startup. The DD statement is probably missing.

The started NJE Gateway task stops.

**Corrective Action:** Correct the problem, and restart the job.

**GTWG35E EMPTY PARAMETER FILE**

**Explanation:** The Control-M NJE Gateway main task read an empty parameter file at startup.

The started NJE Gateway task stops.

**Corrective Action:** Correct the problem, and restart the job.

**GTWG36E INVALID CARD nnnn. DATA=data**

**Explanation:** At startup, the specified statement in the parameter file was not valid.

The started Control-M NJE Gateway task stops.
**Corrective Action:** Correct the problem, and restart the job.

GTWG37E DUPLICATE CARD \textit{nnnn}. DATA=\textit{data}

**Explanation:** At startup, the specified statement in the parameter file occurred twice. The started Control-M NJE Gateway task stops.

**Corrective Action:** Correct the problem, and restart the job.

GTWG38E INCOMPLETE MFCONNECTION. THREE CARDS MUST BE PROVIDED

**Explanation:** At startup, the MFCONNECTION was defined incorrectly. The MFCONNECTION description must include one MFCONNECTION statement, and two HOST descriptor statements. The started Control-M NJE Gateway task stops.

**Corrective Action:** Review installation instructions, correct the problem, and restart the job.

GTWG39E INVALID HOST DESCRIPTOR CARD \textit{nnnn}. DATA=\textit{data}

**Explanation:** At startup, the MFCONNECTION definition was not valid. Either the syntax of one of the two statements following MFCONNECTION is not valid, or the definition names a host system that was not specified. The started Control-M NJE Gateway task stops.

**Corrective Action:** Review installation instructions, correct the problem, and restart the job.

GTWG40E INVALID MFCONNECTION CARD \textit{nnnn}. DATA=\textit{data}

**Explanation:** At startup, the syntax of the MFCONNECTION statement was not valid. The started Control-M NJE Gateway task stops.

**Corrective Action:** Review installation instructions, correct the problem, and restart the job.

GTWG41E DUPLICATE MFCONNECTION CARD \textit{nnnn}. DATA=\textit{data}

**Explanation:** At startup, the MFCONNECTION statement in the specified statement was already defined earlier. During comparison of MFCONNECTION statements, the order of the host arguments on the statement is not significant. The started Control-M NJE Gateway task stops.

**Corrective Action:** Correct the problem, and restart the job.

GTWG42E MAINFRAME OR WORKSTATION CONNECTION MISSING

**Explanation:** At startup, there was no MFCONNECTION definition in the parameter file. The parameter file must contain at least one MFCONNECTION definition. The started Control-M NJE Gateway task stops.

**Corrective Action:** Correct the problem, and restart the job.
GTWG43E INVALID EXEC PARM

**Explanation:** At startup, the EXEC PGM parameter specified in the started task of the NJE Gateway was not valid.

The started Control-M NJE Gateway task stops.

**Corrective Action:** Review installation instructions, correct the problem, and restart the job.

GTWG44E HOST AND PARTNER NAMES CANNOT BE THE SAME

**Explanation:** At startup, the HOST and CONNECT initialization parameters were identical. The HOST parameter identifies the local host, and the CONNECT parameter identifies a partner host. They cannot be the same.

The main Control-M NJE Gateway task stops.

**Corrective Action:** Correct the HOST and CONNECT parameters, and restart the job.

GTWG45E ECAGATE INTERNAL ERROR. CODE=rc, USER=userId

**Explanation:** Due to an internal error, an internal call (ECAPUT) failed with return code rc. In this message, userId identifies the user from whom the message was received.

The message causing the error is ignored.

**Corrective Action:** Contact BMC Software Customer Support.

**ILY messages**

This group includes messages for the Control-M for z/OS and Control-D products.

**Messages ILY400 through ILY4xx**

This group includes messages for the Control-M for z/OS and Control-D products.

ILY411S OPEN OF DDNAME "DAPROG" FAILED.

**Explanation:** This message is issued by the New Day procedure. The data set described by the DAPROG DD statement contains a list of programs to be activated by the New Day procedure. Possible causes are:

- The DAPROG DD statement is missing.
- The data set described by the DAPROG DD statement cannot be opened for sequential read.

For more details, see the chapter that discusses implementation issues in the appropriate user guide.

The New Day procedure stops executing.

**Corrective Action:** Correct the JCL for the job and rerun it.
ILY413E PROGRAM pgm WAS NOT FOUND

Explanation: The pgm program was not in the load list of the Daily subsystem. The DAPROG DD statement describes a data set that contains a list of programs to be activated as part of the Daily subsystem.

The Daily subsystem terminates with errors.

Corrective Action: Check whether IOA Load library is concatenated as STEPLIB to the Daily subsystem. Correct the JCL and consult your system programmer about running the Daily subsystem again.

ILY414E INVALID CONDITION CODE FOR PROGRAM pgm

Explanation: The pgm Control-M or Control-D internal program that was activated by New Day processing finished with a return code higher than the maximum allowed in the program list. Positions 10-11 in the program list indicate the highest return code that is still considered OK for this program.

Corrective Action: No action is required.

ILY415I PROGRAM pgm IS BEING INVOKED

Explanation: This information message indicates that the pgm internal Control-M or Control-D program was activated by New Day processing.

Corrective Action: No action is required.

ILY416I {CTMILY | CTDILY} ENDED

Explanation: This information message indicates that New Day processing is finished.

Corrective Action: No action is required.

ILY417E UNRECOGNIZED PARAMETER ON EXEC STATEMENT: expression

Explanation: The CTMTDAY procedure was executed with an unsupported or invalid NEWDAY parameter value expression. (For more information on the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”)

The CTMTDAY procedure is not executed.

Corrective Action: Correct and re-execute the CTMTDAY procedure.

ILY418E UNRECOGNIZED PARAMETER ON EXEC STATEMENT: expression

Explanation: The CTMTDAY procedure was executed with the following NEWDAY parameter: date. However, the date format or contents are invalid. For more information regarding the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”

The CTMTDAY procedure is not executed.

Corrective Action: Correct and re-execute the CTMTDAY procedure.

ILY419I PROCESSING MODE IS mode

Explanation: The CTMTDAY procedure was executed with one the following NEWDAY mode parameters:
ORDERONLY[, date ]

FORMATONLY

Special NEWDAY processing will be performed according to the mode (FORMATONLY or ORDERONLY) specified in the procedure. (For more information regarding the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”)

Corrective Action: No response is required.

ILY41AW DATE IGNORED IN 'FORMATONLY' REQUEST: xxxxxxx

Explanation: The CTMTDAY procedure is executed with the following NEWDAY parameter:

FORMATONLY, xxxxxxx

where the operator probably intended xxxxxxx as a date value. (A date is not valid with the FORMATONLY mode.)

Special NEWDAY processing is performed according to the FORMATONLY mode, ignoring xxxxxxx. (For more information regarding the Control-M CTMTDAY procedure, see the INCONTROL for z/OS Administrator Guide, “CTM,” “New Day Procedure Flow.”)

Corrective Action: No response is required.

IOA messages

This group includes messages for the IOA (infrastructure) product.

Messages IOA0 through IOA0xx

This group includes messages for the IOA (infrastructure) product.

IOA001E INVALID PARAMETER

Explanation: An invalid parameter was passed to IOAZAP on the EXEC statement. The PARM parameter in the JCL EXEC statement was manually modified incorrectly.

The program stops execution with a condition code of 08. All the zaps that follow will be bypassed.

Corrective Action: Restore the original JCL job stream as follows:

1. Using the documentation provided as part of the IOA Monthly Maintenance Upgrade System, transfer the JCL job stream from the diskette to the mainframe.
2. Modify the JCL as specified in the documentation.
3. Submit the job.

Note:
You may run the JCL job stream as often as necessary. If a zap is already applied, it is bypassed.
IOA003I dd/mm/yy IOAZAP PROCESSING STARTED FOR CONTROL- x release VERSION version

Explanation: This information message is the normal start message produced by the IOA automatic zap application program.

Corrective Action: No action is required.

IOA004I dd/mm/yy IOAZAP PROCESSING COMPLETED FOR CONTROL- x rel/VERSION ver

Explanation: This information message is the normal termination message produced by the IOA automatic zap application program.

Corrective Action: No action is required.

IOA005S OPEN OF DDNAME ddName FAILED

Explanation: The automatic zap application program failed to open the ddName DD statement. Possible causes are:

- The ddName DD statement is missing.
- The data set described by the ddName DD statement does not exist.

The program stops execution with a condition code of 08.

Corrective Action: The JCL was probably modified incorrectly. Restore the original JCL job stream, as follows:

1. Using the documentation provided as part of the IOA Monthly Maintenance Upgrade system, transfer the JCL job stream from the diskette to the mainframe.
2. Modify the JCL as specified in the documentation.
3. Submit the job.

Note:
You may run the JCL job stream as often as necessary. If a zap is already applied, it is bypassed.

IOA007S AMASPZAP REPORTED ERROR IN STEP stepName FOR ZAP desc

Explanation: The AMASPZAP utility reported that an error occurred in the zap.

The program stops execution with a condition code of 08. All zaps that follow are bypassed.

Corrective Action: Check the report produced by the AMASPZAP utility to determine the cause of the problem. The zap was probably modified incorrectly. Restore the original JCL job stream, as follows:

1. Using the documentation provided as part of the IOA Monthly Maintenance Upgrade system, transfer the JCL job stream from the diskette to the mainframe.
2. Modify the JCL as specified in the documentation.
3. Submit the job.

Note:
You may run the JCL job stream as often as necessary. If a zap is already applied, it is bypassed.

If the problem is not due to a user modification of the zap, contact BMC Software Customer Support for assistance. Your representative will need the report produced by the AMASPZAP utility to resolve the problem.

IOA008S SYNTAX ERROR ON LINE lineNum IN STEP stepName FOR ZAP desc

Explanation: The automatic zap application program found that statement number lineNum in JCL step stepName is not valid. The problem is caused by an incorrect manual modification of the zap.

This message is followed by message IOA015S, which displays the statement in error in the damaged JCL job stream.

The program stops execution with a condition code of 08. All zaps that follow will be bypassed.

Corrective Action: Restore the original JCL job stream as follows:

1. Using the documentation provided as part of the IOA Monthly Maintenance Upgrade system, transfer the JCL job stream from the diskette to the mainframe. The job stream contains both the JCL and zaps.

2. Modify the JCL job stream as specified in the documentation.

3. Submit the job.

Note: You may run the JCL job stream as often as necessary. If a zap is already applied, it is bypassed.

IOA009S INVALID REP ON LINE lineNum IN STEP stepName FOR ZAP desc

Explanation: The automatic zap application program found that statement number lineNum in JCL step stepName is not valid. The problem is caused by incorrect manual modification of the zap.

This message is followed by message IOA015S, which displays the statement in error in the damaged JCL job stream.

The program stops execution with a condition code of 08. All the zaps that follow will be bypassed.

Corrective Action: Restore the original JCL job stream, as follows:

1. Using the documentation provided as part of the IOA Monthly Maintenance Upgrade system, transfer the JCL job stream from the diskette to the mainframe. The job stream contains both the JCL and zaps.

2. Modify the JCL job stream as specified in the documentation.

3. Submit the job.

Note: You may run the JCL job stream as often as necessary. If a zap is already applied, it is bypassed.

IOA010S TOO MANY INPUT CARDS FOR ONE ZAP

Explanation: Too many statements were added to the zap. Message IOA013I can be used to determine which zap caused the problem.
The program stops execution with a condition code of 08. All zaps that follow will be bypassed.

**Corrective Action:** Restore the original JCL job stream, as follows:
1. Using the documentation provided as part of the IOA Monthly Maintenance Upgrade system, transfer the JCL job stream from the diskette to the mainframe. The job stream contains both the JCL and zaps.
2. Modify the JCL job stream as specified in the documentation.
3. Submit the job.

**Note:**
You may run the JCL job stream as often as necessary. If a zap is already applied, it is bypassed.

**IOA011I** ZAP ALREADY APPLIED - PROCESSING CONTINUES

*Explanation:* This information message indicates that the zap was previously applied, and is being bypassed by the IOA automatic zap application program. This message is preceded by message IOA013I, which can be used to determine which zap was bypassed.

The processing of the rest of the zaps continues.

**Corrective Action:** No action is required.

**IOA011S** LINKAGE FAILED ON STEP *step*

*Explanation:* An attempt to relink a module during maintenance failed at the step indicated in the message.

The job stops processing at the failed step. The cause of the problem is indicated in the job output.

**Corrective Action:** Check the job output for the cause of the problem, and correct accordingly; then rerun the job. If you cannot correct the problem, notify BMC Software Customer Support.

**IOA012I** SUCCESSFUL APPLICATION OF ZAP *desc*

*Explanation:* This information message indicates that the Zap *desc* was successfully applied.

The processing of the rest of the zaps continues.

**Corrective Action:** No action is required.

**IOA013I** IOAZAP STEP *stepName* PROCESSING STARTED

*Explanation:* This information message indicates that the IOA automatic zap application program, which is executing at step *stepName*, started to process the zap.

**Corrective Action:** No action is required.

**IOA014I** IOAZAP STEP *stepName* PROCESSING COMPLETED SUCCESSFULLY

*Explanation:* This information message indicates that the IOA automatic zap application program, which is executing at the *stepName* step, finished successfully.

The processing of the rest of the zaps continues.
Corrective Action: No action is required.

IOA015S LINE IN ERROR: stmt
Explanation: Incorrect manual modification of a zap.
In this message, stmt is the statement that was incorrectly modified.
The IOA automatic zap application program ends with errors.
Corrective Action: Refer to previous messages, which describe the type of error.

IOA017I date FORMAT OF database
Explanation: This information message indicates that one of the IOA databases was formatted. The format procedure writes an audit trail message to the IOA maintenance log.
Corrective Action: No action is required.

IOA018I SUCCESSFUL LINKAGE EXECUTION "zapText"
Explanation: This information message indicates that the IOAZAP utility successfully relinked a module. Occasionally, it is necessary to relink a module for maintenance purposes.
Corrective Action: No action is required.

IOA019W ZAP IS NOT REQUIRED - PROCESSING BYPASSED
Explanation: This message indicates that the zap is not required by this installation. IOA maintenance can support various configurations, including enhancement tapes. For this reason, not all zaps supplied are required by your installation.
Corrective Action: No action is required.

IOA020E IOAZAP STEP stepName PROCESSING COMPLETED WITH ERROR
Explanation: This error message indicates that IOAZAP maintenance step stepName failed to complete. Possible causes are:
- There is an error in the zap, possibly a typing error.
- The load library needs to be compressed.
- You do not have the necessary security authorization to apply zaps.
Corrective Action: If possible, correct the error and rerun the step. Otherwise, contact BMC Software Customer Support.

IOA046S BLDL/LOAD FAILED FOR THE MODULE modName
Explanation: Loading of the modName module failed.
Possible causes are:
The IOA Load library is not in the load modules search list (STEPLIB + Linklist).
- There is insufficient memory.
- There is some other system-oriented reason, which may be found in the syslog.

Execution might stop.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

**Messages IOA100 through IOA1xx**

This group includes messages for the IOA (infrastructure) product.

**IOA100I srvr - IOA ARCHIVE SERVER INITIALIZATION STARTED**

**Explanation:** This information message indicates that the IOA Archive Server has started and is currently building the required internal environment.

**Corrective Action:** No action is required.

**IOA101E srvr - IOA ARCHIVE SERVER INITIALIZATION FAILED RC rc IN STEP step**

**Explanation:** The IOA Archive Server encountered an internal error.

The cross-memory environment could not be established.

The IOA Archive Server shuts down.

**Corrective Action:** Activate the Control-D subsystem. If it is already active, deactivate then reactivate it. Try to reactivate the IOA Archive server. If this does not help, check for other system messages that might clarify the cause of the problem and precede accordingly. If these measures are of no avail, record the return code, step name and all other related messages and contact BMC Software Customer Support.

**IOA102E srvr - IOA ARCHIVE SERVER NOT APF-AUTHORIZED**

**Explanation:** The IOA Archive Server is not APF (Authorized Programming Facility) authorized. The IOASSRV module is not in an APF authorized library or does not have attribute AC=1.

The IOA Archive Server terminates with a return code of 8.

**Corrective Action:** Add the name of the library in which the IOASSRV module resides to the IEAAPF00 member in the SYS1.PARMLIB library.

**IOA103E srvr - COMMAND FAILED - cmdText**

**Explanation:** An invalid command or parameter was passed to the IOA Archive Server by an operator MODIFY command. This message is accompanied by another message that indicates why the command failed.

The MODIFY command is not executed.

**Corrective Action:** See the accompanying message, which indicates why the command failed.
IOA104S srvr - BDL/LOAD FAILED FOR THE MODULE modName

Explanation: Loading of the modName module failed. Possible causes are:

- Insufficient memory.
- Another system-oriented cause may be found in the system log.

The IOA Archive Server terminates with a return code of 8.

Corrective Action: Check the system job log for more information. If the problem persists, contact BMC Software Customer Support.

IOA105S srvr - UNRECOVERABLE ERROR ENCOUNTERED

Explanation: An unrecoverable error occurred in the operation of the IOA Archive Server.

The IOA Log file should contain a previous message about the error.

The IOA Archive Server shuts down.

Corrective Action: Check the accompanying message in the IOA Log file. Contact your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

IOA106S srvr - MEDIA mediaName HAS ABENDED

Explanation: An IOA Archive Server internal subtask abended.

The IOA Log file and system log should contain previous messages about this error.

The IOA Archive Server issues an implicit START command for this media. Attempts are made to initialize media mediaName and continue normal processing. If these attempts fail, the IOA Archive Server sets the status of the abended media to never active and this media becomes unavailable for use by the IOA Archive Server.

Corrective Action: Check the IOA Log file and system log for additional messages which may indicate why media mediaName abended. If the problem is not resolved, contact BMC Software Customer Support.

IOA107I srvr - SHUT DOWN UPON REQUEST FROM OPERATOR

Explanation: This information message indicates that the IOA Archive Server is shutting down upon operator’s request.

Corrective Action: No action is required.

IOA108E srvr - REASON: COMMAND IS INVALID

Explanation: An invalid command was passed to the IOA Archive Server. This message follows message IOA103E or SRV103E, which contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: For more information, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide. Enter a valid MODIFY command.
IOA109S srvr - MEDIAL TYPE \textit{media\_type} IS INVALID OR NOT SUPPORTED

\textbf{Explanation:} The IOA Archive Server encountered an invalid or unsupported media type specified in the IOASPRM member (IOA Archive Server Installation Parameters).

The media type specified in the IOASPRM member should match one of the supported media types specified in the IOA Archive Server Program List (the IOASPROG member).

The IOA Archive Server terminates with a return code of 8.

\textbf{Corrective Action:} For more information about currently supported media types, refer to the section on how to set IOA Archive Server Installation Parameters in the \textit{INCONTROL for z/OS Installation Guide}. Correct the media\_type in the IOASPRM member (IOA Archive Server Installation Parameters). Start the IOA Archive Server again. If the problem is not resolved, contact BMC Software Customer Support.

IOA10AS srvr - SERVER NAME IS NOT EQUAL TO THE PROCNAME SPECIFIED IN IOASPRM

\textbf{Explanation:} Highlighted, unrollable message.

The name of IOA Archive Server does not match the value of the PROCNAME parameter in the IOASPRM member. The name of the IOA Archive Server must be the same as the value of the PROCNAME IOA Archive Server Installation Parameter in the IOASPRM member.

The IOA Archive Server terminates with a return code of 8.

\textbf{Corrective Action:} Use the correct IOA Archive Server name or correct the value of the PROCNAME parameter. Restart the IOA Archive Server.

IOA10BI srvr - IOA ARCHIVE SERVER SHUTTING DOWN

\textbf{Explanation:} Highlighted, unrollable message.

This information message indicates that the IOA Archive Server is shutting down due to operator command or due to internal events.

The IOA Log file should contain additional messages about the reason for shutting down the IOA Archive Server.

The IOA Archive Server shuts down.

\textbf{Corrective Action:} No action is required.

IOA10CS srvr - IOA ARCHIVE SERVER ENDED WITH ERROR

\textbf{Explanation:} An error caused the IOA Archive Server to terminate. The IOA Log file and system log file should contain additional messages identifying the specific error.

The IOA Archive Server shuts down.

\textbf{Corrective Action:} Check the IOA Log file and the system log for the reason. Contact your system programmer for assistance if needed.

IOA10DW srvr - YOUR IOA ARCHIVE SERVER IS ALREADY ACTIVE. QNAME qName

\textbf{Explanation:} Highlighted, unrollable message.
An attempt was made to start an IOA Archive Server which is already active. It is impossible to run two IOA Archive Servers with the same qName at the same time.

The newly-started IOA Archive Server with the same qName shuts down.

**Corrective Action:** No action is required.

**IOA10EE srvr - REASON: PARAMETER IS INVALID**

**Explanation:** An invalid parameter was passed to the IOA Archive Server by operator command MODIFY. This message follows the IOA103E or SRV103E message, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** For more details, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide. Reissue the MODIFY command with valid parameters.

**IOA110E srvr - INSUFFICIENT STORAGE FOR INITIALIZATION RC=rc**

**Explanation:** There is insufficient memory to initiate or operate the IOA Archive Server.

The IOA Archive Server shuts down.

**Corrective Action:** Increase the IOA Archive Server REGION size. If the problem persists, record the return code and contact BMC Software Customer Support.

**IOA114S srvr - BLDL/ATTACH FAILED FOR MODULE modName**

**Explanation:** Initialization of an IOA Archive Server internal task failed.

Possible causes are:
- Insufficient memory to attach the task.
- The modName module does not exist in the LOAD library.

The IOA Archive Server terminates.

**Corrective Action:** Check the system log for additional messages which clarify the situation. Try one of the following:
- If the attach failed because of lack of memory, increase the REGION size in the IOA Archive Server procedure.
- If the IOA LOAD library does not contain the modName module, contact BMC Software Customer Support.

**IOA115E srvr - OPEN OF DDNAME ddName FAILED**

**Explanation:** Open of the ddName DD statement failed.

Possible causes are:
- The ddName DD statement is missing.
- The data set referenced by the ddName DD statement does not exist.

The IOA Archive Server terminates with a return code of 8.
Corrective Action: Correct the JCL and rerun the job.

IOA116W srvr - ALL MEDIA ARE INACTIVE

Explanation: Highlighted, unrollable message.
The IOA Archive Server issues this message when it determines that no active media are allocated to it.
Every media was terminated due to operator request or internal error. This message disappears when a
START command is issued for any media.
The IOA Archive Server continues processing.
Corrective Action: If information about the status of a media is needed, issue a DISPLAY command.

IOA117I srvr - IOA ARCHIVE SERVER INITIALIZATION COMPLETE

Explanation: This information message indicates that the IOA Archive Server was successfully initialized.
Corrective Action: No action is required.

IOA118E srvr - REASON: MEDIA mediaName IS INCORRECT

Explanation: The media was specified in a MODIFY operator command, but was not defined in the
IOASPRM member, which defines the IOA Archive Server Installation Parameters. This message follows
message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the
text of the failed command.
The MODIFY command is not executed.
Corrective Action: For more details, refer the section that describes the IOA Archive Server in the
Control-D and Control-V User Guide. Reissue the MODIFY command with the correct media name.

IOA11AE srvr - REASON: MEDIA mediaName ALREADY INACTIVE

Explanation: An attempt was made to stop media mediaName which was already inactive. This
message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed
and contains the text of the failed command.
The MODIFY command is not executed.
Corrective Action: No action is required.

IOA11BE srvr - REASON: MEDIA mediaName ALREADY ACTIVE

Explanation: An attempt was made to start media mediaName which was already active. This
message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed
and contains the text of the failed command.
The MODIFY command is not executed.
Corrective Action: No action is required.

IOA11CE srvr - INITIALIZATION OF ALL MEDIA FAILED

Explanation: During initialization, the IOA Archive Server determined that initialization failed for all
media specified in the IOASPRM member (IOA Archive Server Installation Parameters).
Every media was terminated due to an unrecoverable error. The IOA Log file should contain additional messages concerning specific errors.

The IOA Archive Server terminates with a return code of 8.

**Corrective Action:** Check the IOA Log file and the system log for messages describing the error. Contact the system programmer for assistance if needed. Start the IOA Archive Server again. If the problem is not resolved, contact BMC Software Customer Support.

**IOA11DW srvr - nn CYCLES PERFORMED WHILE WAITING FOR MEDIA INITIALIZATION TO BE COMPLETED**

**Explanation:** Highlighted, unrollable message.

The IOA Archive Server cannot complete the initialization phase. During IOA Archive Server initialization, a period of time equal to nn cycles elapsed before any media specified for use by the IOA Archive Server completed the initialization process. Each cycle is one IOA Archive Server sleeping interval, whose value in hundredths of a second is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The initialization of the IOA Archive Server is not completed.

**Corrective Action:** Check the IOA Log file and the system log for the cause of the problem. If the IOA Archive Server waits a long time for media to complete initialization, and the reason for the delay cannot be determined, issue the CANCEL command to stop the IOA Archive Server. Restart the IOA Archive Server. If the problem is not resolved, contact BMC Software Customer Support.

**IOA11EW srvr - nn CYCLES PERFORMED WHILE WAITING FOR MEDIA TO TERMINATE**

**Explanation:** The IOA Archive Server cannot complete the termination phase. During IOA Archive Server termination, a period of time equal to nn cycles elapsed before the media specified for use by the IOA Archive Server completed the termination process. Each cycle is one IOA Archive Server sleeping interval, whose value in hundredths of a second is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The termination of the IOA Archive Server is not completed.

**Corrective Action:** Check the IOA Log file and the system log for the cause of the problem. If the IOA Archive Server waits a long time for media to complete termination, and the reason for the delay cannot be determined, issue operator command CANCEL to stop the IOA Archive Server. If the problem is not resolved, contact BMC Software Customer Support.

**IOA11FW srvr - REASON: MEDIA mediaName IS BUSY**

**Explanation:** A command cannot be passed to media mediaName for execution because the media has not finished executing a previous command. This message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** Reissue the MODIFY command later.
IOA120S srvr - INTERNAL ERROR RC=rc

**Explanation:** The IOA Archive Server encountered an internal error.
The IOA Archive Server terminates with abend code 0006. The output includes a dump of the abend.

**Corrective Action:** Report the message ID and return code to BMC Software Customer Support.

IOA121E srvr - REASON: MEDIA mediaName INACTIVE

**Explanation:** An attempt was made to start a device assigned to media *mediaName* while that media was inactive. Media *mediaName* must be started before issuing a START command for a device assigned to it. This message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** Issue an operator command to start media *mediaName*, as follows:

```
F IOASMON,START MEDIA=mediaName
```

After media *mediaName* is initialized successfully, issue the MODIFY command to start a device. For more details, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide.

IOA122W srvr - IOA ARCHIVE SERVER PARAMETERS CONTAIN NO MEDIA OR ONLY MEDIA TYPE DASD

**Explanation:** During the initialization phase, the IOA Archive Server determined that the IOASPRM member does not include a definition for any media or only includes definitions for media of the DASD type. Possible causes are:

- The IOASPRM member in the IOA PARM library does not define any media.
- The IOASPRM member in the IOA PARM library has definitions for only DASD media.

Do not activate the IOA Archive Server unless a media type other than DASD is defined in the IOASPRM member.

The IOA Archive Server shuts down.

**Corrective Action:** If the services of the IOA Archive Server are required, add appropriate media to the IOASPRM member in the IOA Archive Server Installation Parameters, and restart the IOA Archive Server.

IOA123W cdam_srvr_name - GETMAIN FAILED DURING SESSION OPENING OF USER userId

**Explanation:** An attempt to access a migrated index failed because there is insufficient memory in the IOA Archive server to open a session. A session is opened in the IOA Archive server when accessing a migrated index. This error occurs when there is not enough memory in the IOA Archive server to hold the RBA range table of the user, and the index record for that index.

The session is not opened and the migrated index cannot be viewed.

**Corrective Action:** Increase the region of the IOA Archive server.
IOA124W cdam_srvr_name - OSE TYPE PASSED TO SERVER BY USERID userd1 IS INVALID

Explanation: An internal error occurred when accessing a migrated index. A session is opened in the IOA Archive Server when accessing a migrated index.

The session is not opened and the migrated index cannot be viewed.

Corrective Action: Print the user record and index records of the report. Record the last actions of the user before the error occurred. Supply this information to BMC Software Customer Support.

IOA127E srvr - DEBUG LEVEL MUST BE A NUMBER BETWEEN 0-255

Explanation: The MODIFY operator command to activate the IOA Archive Server debug facility contains an invalid DEBUG level. Valid DEBUG levels are between 0 and 255. Zero specifies no debugging.

The MODIFY command is not executed. The DEBUG facility is not activated.

Corrective Action: Reissue the operator command with the correct debug level. The required debugging level should be supplied by BMC Software Customer Support.

IOA128I srvr - DEBUG LEVEL IS SET TO /d

Explanation: This information message indicates that the IOA Archive Server debug level has been set to nnn by a MODIFY operator command.

Each debug level activates the trace option on different components of the IOA Archive Server.

The DEBUG level is set to level nnn.

Corrective Action: No action is required.

IOA130E mediaName - REASON: DEVICE deviceId IS NOT ASSIGNED TO THIS MEDIA

Explanation: An attempt was made to reference device deviceId, which currently is not assigned to media mediaName. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: For more details, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide. Issue a DISPLAY command to obtain information about each media and its resources that are known to the IOA Archive Server. Reissue the MODIFY operator command with the correct deviceId number.

IOA131E mediaName - REASON: DEVICE deviceId ALREADY INACTIVE

Explanation: An attempt was made to stop device deviceId, which is currently inactive. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: No action is required.
IOA132E mediaName - REASON: DEVICE deviceId ALREADY ACTIVE

Explanation: An attempt was made to start device deviceId, which is currently active. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: No action is required.

IOA133W mediaName - nn CYCLES PERFORMED WHILE WAITING FOR MEDIA INITIALIZATION TO BE COMPLETED

Explanation: Highlighted, unrollable message.

Media mediaName cannot complete the initialization phase.

During initialization, the media waits for devices which have been started to complete their initialization process. No responses were received from these devices. Each “cycle” is one IOA Archive Server sleeping interval whose value (in hundredths of a second) is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The initialization of media mediaName is not completed.

Corrective Action: Check the IOA Log file and the system log for the cause of the problem. If media mediaName waits a long time for devices to complete initialization and the reason for the delay cannot be determined, issue a CANCEL operator command to stop the IOA Archive Server. Start the IOA Archive Server again. If the problem is not resolved, contact BMC Software Customer Support.

IOA134E mediaName - MEDIA SHUT DOWN - INITIALIZATION OF ALL DEVICES FAILED

Explanation: The initialization process for all devices assigned to media mediaName failed.

Media mediaName is terminated and becomes unavailable for use by the IOA Archive Server.

Corrective Action: Check the IOA Log file and system log for messages about the initialization failure. Issue an operator command to restart media mediaName. If the problem is not resolved, contact BMC Software Customer Support.

IOA135W mediaName - nn CYCLES PERFORMED WHILE WAITING FOR DEVICE TO TERMINATE

Explanation: Highlighted, unrollable message.

Media mediaName cannot complete the termination phase.

During termination, media mediaName waits for devices to terminate. Each “cycle” is one IOA Archive Server sleeping interval whose value (in hundredths of a second) is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The termination of media mediaName is not completed.
**Corrective Action:** Check the IOA Log file and the system log for the cause of the problem. If media `mediaName` waits a long time for devices to complete termination and the reason for the delay cannot be determined, issue a CANCEL operator command stop the IOA Archive Server. If the problem is not resolved, contact BMC Software Customer Support.

**IOA136E mediaName - REASON: LENGTH OF DEVICE NUMBER IN DEVICE= deviceId IS INCORRECT**

**Explanation:** The DEVICE parameter was specified with an invalid length. The length of the DEVICE parameter in the MODIFY operator command should be four digits.

This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** Reissue the MODIFY command with a correct DEVICE parameter.

**IOA137E mediaName - COMMAND FAILED cmdText**

**Explanation:** An invalid command or parameter was passed to media `mediaName` by a MODIFY operator command. This message is followed by other messages that clarify why the operator command failed.

The MODIFY command is not executed.

**Corrective Action:** Check the system log for a message that indicates why the command failed. Correct the problem, and reissue the MODIFY operator command.

**IOA138E mediaName - REASON: PARAMETER IS INVALID**

**Explanation:** An invalid parameter was passed to media `mediaName` by the MODIFY operator command. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** For more information, refer to the section on the IOA Archive Server in the *Control-D and Control-V User Guide*. Enter a MODIFY command with valid parameters.

**IOA139I mediaName - MEDIA SHUT DOWN UPON REQUEST FROM OPERATOR**

**Explanation:** This information message indicates that media `mediaName` is shutting down upon the operator's request.

**Corrective Action:** No action is required.

**IOA13AI mediaName - MEDIA SHUT DOWN UPON REQUEST OF MAIN TASK**

**Explanation:** This information message indicates that media `mediaName` is shutting down upon the IOA Archive Server's request.
Possible causes are:

- The IOA Archive Server is shutting down due to operator request.
- The IOA Archive Server encountered an unrecoverable error.

The IOA Archive Server shuts down the media before it shuts down. The IOA Log file and system log should contain additional messages concerning the situation.

**Media** `mediaName` **shuts down.**

**Corrective Action:** Check the IOA Log file and system log for messages explaining the situation. Contact the system programmer for assistance, if needed.

**IOA13BE mediaName - REASON: VALUE SPECIFIED IN DEVICE= PARAMETER IS INVALID**

**Explanation:** The DEVICE parameter was specified in a modify operator command without specifying its value. This message follows message IOA137E or MDT137E, which indicates that the modify operator command failed, and contains the text of the failed command.

MODIFY is not executed.

**Corrective Action:** For more information, refer to the section on the IOA Archive Server in the *Control-D and Control-V User Guide*. Reissue the MODIFY command with a valid DEVICE parameter.

**IOA13DE mediaName - REASON: DEVICE= PARAMETER IS INVALID FOR DYNAMIC DEVICES**

**Explanation:** An attempt to start a specific device by operator command failed because the devices used by the IOA Archive Server are allocated dynamically. This message follows message IOA137E/MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

MODIFY is not executed.

**Corrective Action:** For more information about how to control the device, refer to the section on media and resource management in the *Control-D and Control-V User Guide*. Reissue the MODIFY command with appropriate parameters.

**IOA13FW mediaName - REASON: ALL DEVICES ARE ALREADY ACTIVE**

**Explanation:** An attempt to start one or more devices by issuing a MODIFY operator command failed, because all devices were already active.

This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command. The operator cannot increase the number of devices the IOA Archive Server can use to more than the maximum quantity defined in the IOASPRM member in the IOA Archive Server Installation Parameters.

The MODIFY command is not executed.

**Corrective Action:** Issue a DISPLAY command to get information about each media and its resources that are allocated to the IOA Archive Server. For more information about how to control devices, refer to the section on media and resource management in the *Control-D and Control-V User Guide*. 
IOA140S mediaName - BLDL/ATTACH/LOAD FAILED FOR THE MODULE modName

**Explanation:** Initialization of the mediaName media failed.

Possible causes are:

- The Control-V LOAD library is not in the load modules search list (STEPLIB + LinkList).
- Insufficient memory is available to attach the task.
- The modName module is not in the LOAD library.

The IOA Archive Server shuts down.

**Corrective Action:** Check the system log for additional messages which clarify the situation. Try one of the following:

- If the attach failed because of lack of memory, increase the REGION size in the IOA Archive Server procedure.
- If the modName module does not exist in the IOA LOAD library, contact BMC Software Customer Support.

IOA141I mediaName - INITIALIZATION STARTED

**Explanation:** This information message indicates that media mediaName has started and is building the required internal environment.

**Corrective Action:** No action is required.

IOA142I mediaName - INITIALIZATION SUCCESSFULLY COMPLETED

**Explanation:** This information message indicates that media mediaName was successfully initialized.

**Corrective Action:** No action is required.

IOA143W mediaName - REASON: ALL DEVICES ARE ALREADY INACTIVE

**Explanation:** An attempt to stop one or more devices by issuing a MODIFY operator command failed, because all the devices were already inactive. This message follows message IOA137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** For more information, refer to the section on the IOA Archive Server in the Control-D and Control-V User Guide. Issue a DISPLAY command to get information about each media and its resources that are allocated to the IOA Archive Server.

IOA144S mediaName - INSUFFICIENT STORAGE FOR INITIALIZATION

**Explanation:** Highlighted, unrollable message.

Insufficient memory is available to initiate media mediaName.

Media mediaName shuts down. The IOA Archive Server shuts down.

**Corrective Action:** Increase the IOA Archive Server REGION size.
IOA145E mediaName - FREEMAIN ERROR ENCOUNTERED

**Explanation:** Highlighted, unrollable message.

Media mediaName encountered an internal error.

The media mediaName task terminates with User Abend 0007. The IOA Archive Server terminates with User Abend code 0006. The output includes a dump of the abend.

**Corrective Action:** Contact your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

IOA146E mediaName - MEDIA INITIALIZATION FAILED

**Explanation:** Highlighted, unrollable message.

Media mediaName encountered an internal error.

This message is preceded by other messages which clarify the situation.

Media mediaName shuts down.

**Corrective Action:** Check the IOA Log file and the system log for messages describing the error. Contact your system programmer for assistance, if needed. If the problem is not resolved, contact BMC Software Customer Support.

IOA147S mediaName - INTERNAL ERROR DURING INITIALIZATION - MEDIA INITIALIZATION FAILED

**Explanation:** Highlighted, unrollable message.

The mediaName media encountered an internal error.

The mediaName media abends with User Abend 0007. The IOA Archive Server shuts down with User Abend 0006. The output includes a dump of the abend.

**Corrective Action:** Contact your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

IOA148S mediaName - INTERNAL ERROR RC=rc

**Explanation:** Media mediaName encountered an internal error.

One of the following actions occurs, depending on severity of the internal error:

- Media mediaName terminates and IOA Archive Server continues processing.
- Media mediaName abends with User Abend 0007. The IOA Archive Server terminates with User Abend 0006. The output includes a dump of the abend.

**Corrective Action:** Check the IOA Log file and system log for messages describing the error. Contact your system programmer for assistance. If the problem is not resolved, report the rc to BMC Software Customer Support.
IOA149E mediaName - REASON: COMMAND IS INVALID

**Explanation:** An invalid command was passed to media `mediaName` by the MODIFY operator command. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** For more information, refer to the section on the IOA Archive Server in the *Control-D and Control-V User Guide*. Enter a valid MODIFY command.

---

IOA14AE mediaName - REASON: VALUE SPECIFIED IN DEVQTY= PARAMETER IS INVALID

**Explanation:** An invalid value was specified for the DEVQTY parameter. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command. Possible causes are:

- The value for the DEVQTY parameter is missing in the MODIFY operator command.
- The length of the DEVQTY parameter exceeds the maximum allowable length.
- The value of the DEVQTY parameter is invalid. Valid values are numeric or the character string ALL.
- The value of the DEVQTY parameter is greater than the maximum quantity defined in the IOASPRM member in the IOA Archive Server Installation Parameters.
- The value of the DEVQTY parameter is greater than the number of active devices allocated to the IOA Archive Server.

The MODIFY command is not executed.

**Corrective Action:** For more information, refer to the section on the IOA Archive Server in the *Control-D and Control-V User Guide*. Issue a DISPLAY command to get information about each media and its resources that are allocated the IOA Archive Server. Reissue the MODIFY command with a valid DEVQTY parameter.

---

IOA14BE mediaName - LOCATE ERROR FOR dsn RC=rc

**Explanation:** A CDAM data set cannot be found in the catalog.

The user requested a report which resides on a CDAM file which is uncataloged or does not exist.

The request is ignored.

**Corrective Action:** Catalog the file or take other corrective action and try again.

---

IOA14CI mediaName - MEDIA SHUTTING DOWN

**Explanation:** This information message indicates that media `mediaName` is shutting down.

**Corrective Action:** No action is required.

---

IOA14DS mediaName - DEVICE device_id ABENDED

**Explanation:** A media internal subtask abended.
Media $mediaName$ issues an implicit start command for device $deviceId$. Attempts are made to initialize this device and continue normal processing. If these attempts fail, media $mediaName$ sets the status of the designated device to NEVER ACTIVE and this device becomes unavailable for use by the IOA Archive Server.

**Corrective Action:** Check the IOA Log file and system log for additional messages which indicate why device $deviceId$ abended.

**IOA14ES** $mediaName$ - PARAMETER DEVADDR NUMBER $nnnn$ DEFINED IN IOASPRM INSTALLATION PARAMETERS IS INVALID

**Explanation:** The DEVADDR parameter contains an invalid value.

The format of the device number specified in the DEVADDR parameter in the IOASPRM member (IOA Archive Server Installation Parameters) must be four digits.

Initialization of media $mediaName$ fails. The IOA Archive Server shuts down with a return code of 08.

**Corrective Action:** Set the DEVADDR parameter to a valid numeric value and restart the IOA Archive Server.

**IOA14FI** $mediaName$ - ALL DEVICES WERE DEFINED AS INACTIVE IN IOASPRM INSTALLATION PARAMETERS

**Explanation:** This information message indicates that $mediaName$ is inactive because all devices which belong to it are defined as inactive in the IOASPRM member (IOA Archive Server Installation Parameters).

**Corrective Action:** If necessary, issue operator MODIFY commands to start the media and the devices.

**IOA150E** $mediaName$ - DYNAMIC ALLOCATION ERROR FOR DDNAME=SORTIN RC=$rc$, REASON CODE=$rsn$

**Explanation:** An error occurred while trying to allocate an OSS Extract Database file.

This error causes the dynamic allocation of the SORTIN DD statement to fail.

For information on the return code ($rc$), see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

Media $mediaName$ is terminated.

**Corrective Action:** Use the return code ($rc$) and reason code ($rsn$) to determine the problem and correct it. If you cannot resolve the problem, record the DD statement, return code, and reason code, and contact BMC Software Customer Support.

**IOA151S** $sort\_prog$ - SORT OF OSS EXTRACT DATABASE FILE FAILED, RC=$rc$

**Explanation:** The internal sort of the OSS Extract Database file failed.

In this message, $sort\_prog$ activates the regular sort program at the site.

The system log usually contains additional messages about specific errors.

$sort\_prog$ is terminated.
**Corrective Action:** Check the system log for messages describing the error. Contact the system programmer for assistance, if needed. If the problem is not resolved, contact BMC Software Customer Support.

**IOA170I** mediaName - DEVICE deviceId - IS STARTING

**Explanation:** This information message indicates that IOA Archive Server deviceId device allocated to the mediaName media started.

**Corrective Action:** No action is required.

**IOA171I** mediaName - DEVICE deviceId - SHUT DOWN UPON REQUEST OF MAIN TASK

**Explanation:** This information message indicates that the main task requested shutting down the IOA Archive Server deviceId device allocated to the mediaName media.

**Corrective Action:** No action is required.

**IOA17AI** mediaName - DEVICE deviceId - UNABLE TO ALLOCATE DEDICATED DEVICE

**Explanation:** This information message indicates that the IOA Archive Server could not allocate device deviceId even though it is dedicated to the Server explicitly by means of the DEVADDR parameter or implicitly by a quantity of a unit name in the DEVQTY parameter.

If dedicated explicitly, the device possibly is disconnected.

If dedicated implicitly, probably no device in the device group specified in the IOASPRM member for mediaName media is available.

See messages DVT190E or IOA190E and DVT192E or IOA192E in the IOA Log file for the error code and info code.

The Server tries to allocate the device at 3-minute intervals until stopped by a MODIFY command.

**Corrective Action:** Use the error code and information code to determine why the allocation failed. For a description of the return code, see the IBM manual MVS Programming: Authorized Assembler Services Guide. Ask the operator to correct the problem and restart the device.

**IOA17BI** mediaName - DEVICE deviceId - UNABLE TO ALLOCATE DEVICE DYNAMICALLY

**Explanation:** This information message indicates that the IOA Archive Server could not allocate the deviceId device which should be allocated dynamically. Probably none of the devices in the device group specified in the IOASPRM member for the mediaName media is available.

For the error code and information code, see the DVT190E or IOA190E and DVT192E or IOA192E messages in the IOA Log file. For a description of the return code, see the IBM manual MVS Programming: Authorized Assembler Services Guide.

The Archive Server tries to allocate the device five times, at 2-minute intervals. If it does not succeed, device deviceId is terminated.
**Corrective Action:** Use the error code and information code to determine why the allocation failed. Ask the operator to correct the problem and restart the device.

**IOA17CI mediaName - DEVICE deviceId - SHUT DOWN BECAUSE OF INTERNAL ERROR**

**Explanation:** Highlighted, unrollable message.

This message indicates that an internal error occurred while accessing device `deviceId`. The cache request that generated the error is ignored. The activity that used this device is restarted.

**Corrective Action:** Notify your INCONTROL administrator.

**IOA17DI mediaName - DEVICE deviceId - SHUT DOWN BECAUSE OF ABEND Snnn**

**Explanation:** Highlighted, unrollable message.

This message indicates that an abend occurred while accessing the `deviceId` device. The cache request which caused the abend is ignored. The activity which used this device will be restarted.

**Corrective Action:** Notify your INCONTROL administrator.

**IOA180S mediaName - DEVICE deviceId - UNABLE TO ACQUIRE STORAGE FOR blockId, RC IS rc**

**Explanation:** IOA Archive Server device `deviceId` is unable to acquire storage space for a BLKLST, FDB, CMP, CACHE or RDBUF block. See accompanying message DVT178I or IOA178I for the name of the requested file.

Execution of the task on device `deviceId` is terminated.

**Corrective Action:** Restart the IOA Archive Server. Re-IPL if necessary. Notify your INCONTROL administrator.

**IOA181S mediaName - DEVICE deviceId - UNABLE TO xxQ ON vol / platter / device, RC IS rc**

**Explanation:** The IOA Archive Server for device `deviceId` was unable to ENQ or DEQ on a key volume, platter, or device.

Execution of the task on device `deviceId` is terminated.

**Corrective Action:** Restart the IOA Archive Server. Re-IPL if necessary. Notify your INCONTROL administrator.

**IOA190E mediaName - DEVICE deviceId - UNABLE TO ALLOCATE UNIT unit**

**Explanation:** A file could not be dynamically allocated on `mediaName` media by the `deviceId` IOA Archive Server device.
For the error code and info code, see message DVT192E or IOA192E. For information on these codes, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

The request is ignored.

**Corrective Action:** Use the error code and info code to determine why the allocation failed. Correct the problem. Restart the IOA Archive Server.

**IOA191E mediaName - DEVICE deviceId - UNABLE TO DEALLOCATE**

**Explanation:** The specified file could not be deallocated on the specified media when switching to another file in the IOA Archive Server device task.

For the error code and info code, see message DVT192E or IOA192E.

The next request and all future requests are ignored until deallocation succeeds.

**Corrective Action:** Use the error code and info code to determine why deallocation failed. Correct the problem. Restart the IOA Archive Server.

**IOA192E mediaName - DEVICE deviceId - ERR + INFO CODE IS err+info_code**

**Explanation:** This message accompanies messages IOA190E or DVT190E and IOA191E or DVT191E. It provides the error code and info code for a failed dynamic allocation or deallocation.

**Corrective Action:** Use the error code and info code to determine the problem and correct it.

**IOA193E mediaName - DEVICE deviceId - I/O ERROR error**

**Explanation:** The I/O error identified in this message occurred.

The request that caused the I/O error is ignored.

**Corrective Action:** Correct the problem in the file. Retry.

**IOA194E mediaName - DEVICE deviceId - UNABLE TO OPEN FILE dsn**

**Explanation:** The `deviceId` IOA Archive Server device could not open the `dsn` file.

The request is ignored.

**Corrective Action:** Verify that the `dsn` file exists and can be accessed.

**IOA195I mediaName - DEVICE deviceId - PLEASE MOUNT REQUIRED VOLUME, OR ANSWER NO**

**Explanation:** This information message indicates that a request was issued to mount a tape volume on the `deviceId` device, and that the requested tape volume was not mounted. The previous tape mount message was issued after an attempt to open a file on a tape volume that was not mounted on the device.

If this WTO is answered NO, the mount request is canceled and the user request is ignored.

**Corrective Action:** If the requested volume cannot be mounted, or to cancel the mount request for any reason, reply NO to this WTO. Otherwise, mount the requested volume.
IOA1A0I  \textit{mediaName} - NUMBER OF DEVICES = \textit{num1} NUMBER OF ACTIVE DEVICES = \textit{num2}

\textbf{Explanation:} This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command to indicate the following:

- \textit{num1} devices are assigned to \textit{mediaName} media.
- \textit{num2} active devices are assigned to \textit{mediaName} media.

This message is preceded by message IOA1A1I or DSP1A1I, which supplies the IOA Archive Server name and media name for which the DISPLAY message was issued.

\textbf{Corrective Action:} No action is required.

IOA1A1I  \textit{srvr} - MEDIA \textit{mediaName} STATUS DISPLAY:

\textbf{Explanation:} This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. This message is the header for messages that provide information about the status of \textit{mediaName} media.

\textbf{Corrective Action:} No action is required.

IOA1A2I  \textit{mediaName} - MEDIA TYPE = \textit{media_type} SYSTEM UNIT NAME = \textit{name}

\textbf{Explanation:} This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. This message identifies the media type and system unit name defined in the IOASPRM member in the IOA Archive Server Installation Parameters.

\textbf{Corrective Action:} No action is required.

IOA1A3I  \textit{mediaName} - STATUS = \textit{status}

\textbf{Explanation:} This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command to provide information about the current status of \textit{mediaName}.

\textbf{Corrective Action:} No action is required.

IOA1A4I  \textit{mediaName} - NUMBER OF PENDING REQUESTS = \textit{num}

\textbf{Explanation:} This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command to provide information about the number of pending requests for \textit{mediaName}.

\textbf{Corrective Action:} No action is required.

IOA1A5I  \textit{mediaName} - DEVICE STATUS PLATTER VOLSER DSN

\textbf{Explanation:} This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. It is the header for IOA1A6I or DSP1A6I messages, which provide information about the status of each device assigned to \textit{mediaName}.

\textbf{Corrective Action:} No action is required.
IOA1A6I mediaName - device status platter volser dsn

Explanation: This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. Each message describes a device assigned to mediaName media. This message follows message IOA1A5I or DSP1A5I, which provides the header for each field. The variables in this message are:

- device - the name of the assigned device
- status - Active, Inactive or Idle
- platter - <<FIX>>
- volser - the serial number of the volume on which the data set is found
- dsn - the data set name

Corrective Action: No action is required.

IOA1A7I mediaName - DEVICE USE STATUS VOLSER DSN

Explanation: This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. It is the header for IOA1A8I or DSP1A8I messages, which provide information about the status of each device assigned to mediaName media.

Corrective Action: No action is required.

IOA1A8I mediaName - device use status userId volser dsn

Explanation: This information message is sent by the IOA Archive server to the console in response to a DISPLAY command. It follows message IOA1A7I, which provides the header for each field. Each occurrence of this message describes a device assigned to mediaName media. The variables in this message are:

- device - the name of the assigned device
- use - Dedicated or Dynamic
- status - Active, Inactive or Idle
- userId - the user ID of the owner of the data set being retrieved by the device
- volser - the serial number of the volume on which the data set is found
- dsn - the data set name

Note:
The userId, vol, and dsn fields contain values only when the device is active.

Corrective Action: No action is required.
IOA1A9I mediaName - DEVICE STATUS USER-ID DSN

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. This message is the header for message IOA1AAI, which provides information about the status of each device assigned to the media identified in the message.

**Corrective Action:** No action is required.

IOA1AAI mediaName - deviceStatus userId dsn

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command. Each message provides information about a device assigned to the mediaName media. A message is issued for each device defined in the MAXCONN parameter in IOASPRM. These messages are preceded by message IOA1A9I, which provides the header for each field.

Possible values of deviceStatus are:

<table>
<thead>
<tr>
<th>deviceStatus</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>INACTIVE</td>
<td>The device is not yet activated.</td>
</tr>
<tr>
<td>ACTIVE</td>
<td>The device is retrieving data requested by the userId user from the dsn data set.</td>
</tr>
<tr>
<td>IDLE</td>
<td>The device is ACTIVE, but currently not working on any request.</td>
</tr>
</tbody>
</table>

**Corrective Action:** No action is required.

IOA1AEI mediaName - TVL: OWNER-ID deviceStatus, NUM OF REQUESTS - num DSN dsn

**Explanation:** This information message is sent by the IOA Archive Server to the console in response to a DISPLAY command to provide information about the current status of media mediaName.

**Corrective Action:** No action is required.

Messages IOA200 through IOA2xx

This group includes messages for the IOA (infrastructure) product.

IOA282I text (userId)

**Explanation:** Highlighted, unrollable message.

This information message is activated by the SHOUT facility. The user ID is for the job order requesting the SHOUT.

**Corrective Action:** No action is required.
Messages IOA400 through IOA4xx

This group includes messages for the IOA (infrastructure) product.

IOA41AW MAXCOMMAND 0 OR UNLIMIT SPECIFIED. LOOP DETECTION INACTIVATED

Explanation: This message is issued by KSL when it executes one of the following commands:
- MAXCOMMAND 0
- COMMAND UNLIMIT

These commands specify that KSL should not limit the number of commands executed by a script. By default, the maximum number of commands that can be executed by a KSL script is 400, in order to intercept runaway scripts. This number can be increased by using the MAXCOMMAND limit command.

If a KSL script expects to execute an unlimited number of commands because it runs in an endless loop until requested to stop, then the MAXCOMMAND 0 or UNLIMIT command can be specified in the script. The script is not limited (loop detection is inactivated).

Corrective Action: Verify that the loop detection has been intentionally inactivated.

IOA482S OPEN OF USER DATE CONTROL-RECORD FAILED. DDNAME "DACHK"

Explanation: Opening of the file containing the User Dates Control record failed (the DACHK DD statement). This message is issued by the New Day procedure.

This is due to one of the following:
- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The New Day procedure stops executing.

Corrective Action: Correct the JCL for the job/CLIST.

IOA484I POST DAILY CHECKPOINT WRITTEN

Explanation: This information message indicates that Post-daily checkpoint was written.

Corrective Action: Indicates that the New Day procedure ended normally.

Messages IOA500 through IOA5xx

This group includes messages for the IOA (infrastructure) product.

IOA555S OID=orderid INSUFFICIENT STORAGE. INCREASE THE REGION SIZE

Explanation: There was insufficient memory to perform a task.
The action that could not be performed accompanies this message. It may vary depending on the environment in which the message was issued.

**Corrective Action:** For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter or exit one of the screens.

IOA5A0W mediaName - DEVICE num - CONNECT ERROR. STORAGE MACHINE: st.maName, SUBSYSTEM: smName, RC: rc

**Explanation:** The IOASMON monitor, migration job, or the CTVCLMIG utility failed to connect to the Filetek storage machine because the CONNECT function failed.

The probable cause for this failure is that the maximum number of connections to the storage machine was reached.

The variables in this message are:
- `mediaName` - Name of the Filetek storage machine media as defined in IOASPRM.
- `num` - Number of the IOASMON device in which the error occurred.
- `st.maName` - Name of the Filetek storage machine. When it does not appear in the message, the name used is that of the storage machine as defined in the storage machine configuration member.
- `smName` - SM subsystem name.
- `rc` - Return code from the CONNECT function.

If an IOASMON monitor fails, the monitor continually retries to connect until it succeeds, or until the device task is brought down. If a migration job or CTVCLMIG failed, it terminates with errors.

**Corrective Action:** Check the return code of the CONNECT function against the Filetek documentation, and correct the problem accordingly. This might require reducing the number of active device tasks to reduce the number of connections to the storage machine. If a migration job or CTVCLMIG failed, rerun the job or utility.

IOA5A1E mediaName - DEVICE num - ERROR ALLOCATING FILE fileName, RC: rc

**Explanation:** The migration job failed to allocate a file in the Filetek storage machine because the CREATOPEN function failed.

The variables in this message are:
- `mediaName` - Name of Filetek storage machine media defined in IOASPRM.
- `num` - Presently not in use.
- `fileName` - Name of the file that the migration job failed to allocate.
- `rc` - Return code from the CREATOPEN function.

The migration job skips the bad file, and processes the next file.

**Corrective Action:** Check the return code of the CREATEOPEN function against the Filetek documentation, and correct the problem accordingly.
IOA5A2E mediaName - DEVICE num - ERROR IN CLOSE. FILE fileName, RC: rc

Explanation: The migration job failed to close a file in the Filetek storage machine because the CLOSE function failed.

The variables in this message are:
- mediaName - Name of Filetek storage machine media defined in IOASPRM.
- num - Presently not in use.
- fileName - Name of the file that the migration job fails to close.
- rc - Return code from the CLOSE function.

The migration job skips the bad file, and processes the next file.

Corrective Action: Check the return code of the CLOSE function against the Filetek documentation, and correct the problem accordingly.

IOA5A3I mediaName - DEVICE num - EMSG msgText, RC: rc

Explanation: This information message is issued when a message is received from the Filetek storage machine subsystem.

The variables in this message are:
- mediaName - Name of Filetek storage machine media defined in IOASPRM.
- num - Presently not in use.
- msgText - Message received from the storage machine.
- rc - Return code from the function.

Corrective Action: No action is required.

IOA5A4E mediaName - DEVICE num - EMSG FAILED. RC: rc

Explanation: The IOASMON monitor, migration job, or the CTVCLMIG utility failed to receive a message from the Filetek storage machine because the EMSG function failed.

The variables in this message are:
- mediaName - Name of Filetek storage machine media defined in IOASPRM.
- num - Number of the IOASMON device in which the error occurred.
- rc - Return code from the EMSG function.

The IOASMON monitor, migration job, or the CTVCLMIG utility continues processing.

Corrective Action: Check the return code of the EMSG function against the Filetek documentation, and correct the problem accordingly.
IOA5A5E mediaName - DEVICE num - ERROR IN DISCONNECT TO STORAGE MACHINE: st.ma.-name, SUB SYSTEM smName, RC: rc

**Explanation:** The IOASMON monitor, migration job, or the CTVCLMIG utility failed to disconnect from the Filetek storage machine because the DISCONNECT function failed.

The variables in this message are:

- **mediaName** - Name of the Filetek storage machine media as defined in IOASPRM.
- **num** - Number of the IOASMON device in which the error occurred.
- **st.ma.-name** - The Filetek storage machine name. When it is omitted, the name of the storage machine defined in the storage machine configuration member is used.
- **smName** - SM subsystem name.
- **rc** - Return code from the DISCONNECT function.

The connection remains active. In the case of a migration job, or the CTVCLMIG utility failure to disconnect, the job or utility terminate with errors.

**Corrective Action:** Check the return code of the DISCONNECT function against the Filetek documentation, and correct the problem accordingly. In the case of failure of a migration job or the CTVCLMIG utility, rerun the job or utility correspondingly.

IOA5AIE MEDIANM mediaName - DEVICE device_num - ERROR READING FILE fileName, RC: rc

**Explanation:** The migration job failed to read from a FileTek storage machine because the READ-RECORD function failed.

The variables in this message are:

- **mediaName** - FileTek storage machine media defined in the IOASPRM member.
- **device_num** - Number of the IOASMON device in which the error occurred.
- **fileName** - Name of the file for which the error occurred.
- **rc** - Return code from the READ-RECORD function.

The migration job skips the bad file, and processes the next file.

**Corrective Action:** Check the return code from the READ-RECORD function in the FileTek documentation. Correct the problem accordingly.

IOA5D0E mediaName - DEVICE deviceName - ERROR IN ACCESS TO OAM. RC = rc REASON CODE = rsn

**Explanation:** IBM macro OSREQ was unable to carry out ACCESS for the specified OAM.

The variables in this message are:
mediaName - the OAM media name as defined in IOASPRM. Blanks are indicated if issued by means of a migration process.

deviceName - The task ID that issued the message. Blanks are indicated if the ID was issued by means of a migration process.

rc - the return code

rsn - the reason code

The system terminates any activity with OAM.

**Corrective Action:** Refer to IBM documentation. Consult either the OAM Programmer’s Reference or the DFSMSdfp Diagnosis Reference.

**Explanation:** IBM macro OSREQ was unable to carry out UNACCESS for the specified OAM.

The variables in this message are:

- mediaName - the OAM media name defined in IOASPRM. Blanks indicated that it was issued by a migration process.
- deviceName - the ID of the task that issued the message. Blanks indicate that the ID was issued by a migration process.
- rc - the OSREQ return code
- rsn - the OSREQ reason code

**Corrective Action:** Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material for an explanation of the return and reason codes.

**Explanation:** IBM macro OSREQ requested a RETRIEVE of the first object in collection collName. OSREQ returned a warning.

The variables in this message are:

- collName - Transformed name of the CDAM file being migrated.
- rc - Return code issued by OAM.
- rsn - Reason code issued by OAM.

**Corrective Action:** Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material for an explanation of the return and reason codes.
IOA5D3E ERROR DURING READ OF 1ST BLOCK - collName RC=rc REASON CODE=rsn

Explanation: IBM macro OSREQ was unable to carry out a RETRIEVE of the 1st object in the collection collName.

The variables in this message are:

- **collName**: Transformed name of the CDAM file being migrated.
- **rc**: Return code issued by OAM.
- **reason**: Reason code issued by OAM.

Migration stops.

Corrective Action: Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material for an explanation of the return and reason codes.

IOA5D4W WARNING IN QUERY - objName collName RC=rc REASON CODE=rsn

Explanation: IBM macro OSREQ requested QUERY on object objName in collection collName and issued a warning.

The variables in this message are:

- **objName**: the object requested by OSREQ (and in collection collName)
- **collName**: the transformed name of the CDAM file being migrated
- **rc**: the return code issued by OAM
- **rsn**: the reason code issued by OAM

Corrective Action: Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material for an explanation of the return and reason codes.

IOA5D5E ERROR DURING QUERY - objName collName RC=rc REASON CODE=rsn

Explanation: IBM macro OSREQ was unable to QUERY object objName in collection collName.

The variables in this message are:

- **objName**: Object requested by OSREQ (and in collection collName).
- **collName**: Transformed name of the CDAM file being migrated.
- **rc**: Return code issued by OAM.
- **rsn**: Reason code issued by OAM.

The system action depends on who issued the message, as follows:
If the migration job issues the message, LOCATE for `collName` fails, and `collName` does not migrate.

If IOMSMON issues the message, `collName` is not retrieved for viewing or printing.

**Corrective Action:** Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material for an explanation of the return and reason codes.

**IOA5D6E INCOMPLETE OAM FILE - `oamfil`**

**Explanation:** A migration job detected an incomplete OAM file. During most multistage migrations, OAM file `oamfil` migrates from OAM to another media. However, the migration job detected that `oamfil` was incomplete.

In this message, `oamfil` is the name of the incomplete OAM file.

The file does not migrate.

**Corrective Action:** Check `oamfil` in OAM, and attempt to determine the cause.

**IOA5D7W WARNING IN DELETE - `objName `**

**Explanation:** IBM macro OSREQ requested DELETE for object `objName` in collection `collName`, and produced a warning return code.

The variables in this message are:

- `objName` - the object requested by OSREQ and in collection `collName`
- `collName` - the transformed name of the CDAM file being migrated
- `rc` - the return code issued by OAM
- `rsn` - the reason code issued by OAM

**Corrective Action:** Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material for an explanation of the return and reason codes.

**IOA5D8E ERROR IN DELETE - `objName `**

**Explanation:** IBM macro OSREQ was unable to DELETE object `objName` in collection `collName`.

The variables in this message are:

- `objName` - the object requested by OSREQ and in collection `collName`
- `collName` - the transformed name of the CDAM file being migrated
- `rc` - the return code issued by OAM
- `rsn` - the reason code issued by OAM

The system terminates any activity associated with file `collName`. If this error occurs during migration, the `collName` is not migrated.
Corrective Action: Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material for an explanation of the return and reason codes.

IOA5D9E ERROR FROM DB2 SYNC . RC=rc REASON CODE=rsn

Explanation: DB2 SYNC service generated an error during processing, after updating OAM data. If the update of OAM was successful, DB2 performs a DB2 SYNC after each action that updates the OAM data. ABORT is performed if the update fails.

The variables in this message are:
- $rc$ - the DB2 return code
- $rsn$ - the DB2 reason code

Current activity stops.

Corrective Action: Refer to DB2 documentation for an explanation of the return code and the reason code in the message. Determine the status of files in OAM after the migration. Verify that all updates were correctly performed in OAM.

IOA5DBW WARNING IN STORE - objName collName RC=rc REASON CODE=rsn

Explanation: The message relays a warning message returned from IBM macro OSREQ. IBM macro OSREQ was called with a request to STORE object objName in collection collName.

The variables in this message are:
- objName - the name of the object to be stored in collection collName
- collName - the name of the collection where the object name resides
- rc - the OSREQ return code
- rsn - the OSREQ reason code

Corrective Action: See IBM documentation for an explanation of the return and reason codes in this message. Use OAM programmer reference material, or DFSMSdfp diagnosis reference material.

IOA5DCE ERROR IN STORE - objName collName RC=rc REASON CODE=rsn

Explanation: There was a request to STORE object objName in collection collName. However, IBM macro OSREQ returned an invalid return code.

The variables in this message are:
- objName - the name of the specified object
- collName - the name of the collection indicated as containing the specified object
- rc - the OSREQ return code
- rsn - the OSREQ reason code

Migration for file collName halts. In the next migration run, when the migration program discovers that the collection was not completed, all migrated objects are deleted, and the migration for this file is retried.
**Corrective Action:** Refer to IBM documentation for an explanation of the return and reason codes in this message. Use OAM programmer reference material, or DFSMSdfp diagnosis reference material.

**IOA5DDW** WARNING IN RETRIEVE - `objName collName RC = rc REASON CODE = rsn`

**Explanation:** The user requested that IBM macro OSREQ RETRIEVE object `objName` in collection `collName`. A warning code was returned by the macro.

The variables in this message are:
- `objName` - the name of the specified object
- `collName` - the name of collection indicated as containing the specified object
- `rc` - the OSREQ return code
- `rsn` - the OSREQ reason code

**Corrective Action:** Refer to IBM documentation for an explanation of the return code and the reason code specified in this message. Use OAM programmer reference material, or DFSMSdfp diagnosis reference material.

**IOA5DEE** MEDIANM - DEVICE `taskId` - ERROR IN RETRIEVE - `objName collName RC=rc REASON CODE = rsn`

**Explanation:** IBM macro OSREQ was unable to RETRIEVE object `objName` in collection `collName`.

The variables in this message are:
- `mediaName` - the OAM media name defined in IOASPRM Blank if issued from a migration process.
- `taskId` - the ID of the task that issued the message Blank if issued from a migration process.
- `objName` - the name of the specified object
- `collName` - the name of collection specified as containing `objName`
- `rc` - the OSREQ return code
- `rsn` - the OSREQ reason code

The system action depends on who issued the message, as follows:
- If this message is issued by IOASMON, the read from the OAM migrated file fails, and this message is displayed on the user screen.
- If this message is issued by a Multistage migration job, the migration of file `collName` stops, and a migration failure message is issued.

**Corrective Action:** Record the return code and reason code and refer to IBM documentation. Refer to OAM programmer reference material, or DFSMSdfp diagnosis reference material.

**IOA5DFI** MEDIANM DEVICE `deviceName` - DB2 MSG RECEIVED - `db2msg`

**Explanation:** This information message relays a message returned from DB2 while processing IBM macro OSREQ.
The variables in this message are:

- **deviceName** - the ID of the media device
- **db2msg** - the message returned from DB2 by means of OSREQ

**Corrective Action:** Refer to IBM documentation for an explanation of DB2 messages.

**IOA5DGS OAM IS NOT ACTIVE IN SYSTEM**

**Explanation:** IBM OAM software was not active. Control-V attempted to initiate a connection to OAM. The system terminates the action attempted by Control-V.

**Corrective Action:** Activate OAM.

**IOA5DJ E DB2 TABLES CORRUPTED - COLLECTION MATCHED AN OLD OBJECT objName collName**

**Explanation:** An IBM OAM utility attempted to store an object over a different object with the same name. During migration to OAM, an OAM utility detected an object with the same name but different content. OAM DB2 tables may have been deleted by the user, and objects in the deleted tables may be connected to new collections. Message MIG5CUE immediately follows this message.

The variables in this message are:

- **objName** - the object name that caused the error
- **collName** - the name of the collection where the original **objName** resides

The system stops migration for **objName collName**. DB2 undoes migration actions performed for this collection. A LOCATE Failed Error message is issued for the OAM migrated file.

**Corrective Action:** Consult your DB2 administrator. Check and fix the DB2 tables.

**IOA5E3I CLIP_ID=clipId**

**Explanation:** This information message is issued for each Centera clip created during Control-V migration to the EMC Centera storage system.

The variable in this message is:

- **clipId** - the name of the clip

**Corrective Action:** No action is required.

**IOA5E4E CENTERA INIT ERROR: RC=rc, REASON CODE=rsn**

**Explanation:** Connection to EMC Centera cannot be established. This message is followed by message **IOA5E9I**, which issues the Centera pool value used for connection.

The variables in this message are:
 IOA Archive Server skips the reading of data from Centera and continues processing with reading data from other media.

**Corrective Action:** Refer to EMC Centera documentation for a description of the received reason code. Check the pool value printed in the accompanying MIG5E9I message. If the IP addresses are not correct, update them in parameters POOL1-POOL4 in the IOASPRM member. Restart the IOA Archive Server after the reason for the problem is eliminated.

**IOA5E6E CENTERA READ ERROR: RC=rc,REASON CODE=rsn,DSN=dsn,BLN=blk,L=len**

**Explanation:** An error was detected while reading a block from the EMC Centera clip. This message is followed by message IOA5E31, which issues the problematic Centera clip name.

The variables in this message are:
- **rc** - return code from the EMC Centera API
- **rsn** - reason code from the EMC Centera API
- **dsn** - the name of the migrated dataset
- **blk** - error block number
- **len** - returned block length

The migrated **dsn** dataset is not read.

**Corrective Action:** Refer to the EMC Centera documentation for a description of the received reason code. If you cannot resolve the problem, contact the EMC Centera experts.

**IOA5E8E CENTERA TERMINATE ERROR- RC=rc, REASON CODE=rsn**

**Explanation:** An error was detected during termination of the EMC Centera device.

The variables in this message are:
- **rc** - return code from the EMC Centera API
- **rsn** - reason code from the EMC Centera API

The EMC Centera connection is not terminated.

**Corrective Action:** Refer to the EMC Centera documentation for a description of the received reason code. If you cannot resolve the problem, contact the EMC Centera experts.

**IOA5E9I POOL=pool**

**Explanation:** This information message follows message IOA5E4E.

In this message, **pool** represents the pool value specified in parameters POOL1-POOL4 in the IOASPRM member.
Corrective Action: No action is required.

Messages IOA600 through IOA6xx

This group includes messages for the IOA (infrastructure) product.

IOA631S INVALID FORMAT OF INPUT PARAMETERS

Explanation: While the IOA Online facility was being initialized, a severe syntax error was found in one of the keywords in one of the ALC members. ALC members contain keywords that reference data sets to be allocated during initialization. The line in which the erroneous keyword appears is displayed in the IOAD81I message that follows this message. IOA Online facility terminates with errors.

Corrective Action: Correct the erroneous keyword displayed in message IOAD81I, and reactivate the IOA Online facility.

IOA684E DSN dsn IN USE (DISP=OLD)

Explanation: The dsn data set is held exclusively by another user.

Possible causes are:

- Control-M AutoEdit facility - failure to read a symbols member (%GLOBAL statement, or %LIBSYM %MEMSYM statement).
- IOA Online facility - schedule, calendar or rule definition.
- Control-O initialization.
- CMEM initialization.

The system action depends on the cause, as follows:

- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.
- Control-O is not started.
- CMEM is not started.

Corrective Action: Try again.

IOA686E DSN dsn NOT IN CATALOG

Explanation: The requested data set name is not in the catalog.

Possible causes are:
Control-M AutoEdit facility - failure to read a symbols member (%%GLOBAL statement, or
%%LIBSYM %%MEMSYM statement).

IOA Online facility - schedule, calendar or rule definition.

New Day procedure - failure to read a calendar from the data set described by the DACAL DD
statement.

The system action depends on the cause, as follows:

- AutoEdit facility - job submission stops.
- IOA Online facility - reading or updating of the table, calendar or rule is not performed.
- New Day procedure ends with errors.

**Corrective Action:** The appropriate response depends on the cause, as follows:

1. AutoEdit facility - correct the JCL for the job and rerun it.
2. Online facility - correct the library name and retry.
3. New Day procedure - correct the New Day procedure and retry.

Messages IOA700 through IOA7xx

This group includes messages for the IOA (infrastructure) product.

**IOA704E** MISSING/INVALID PARAMETER IN THE PARM FIELD. VALID
PARAMETERS ARE: IOA, CTM, CTD, CTR, CTO, CTB, ECS

**Explanation:** Only one subsystem parameter should be specified in the PARM field of the IOAINS
program. The IOAINS installation program can install only one of the above products at a time. The
product code should be specified in the PARM field of the IOAINS EXEC statement.

The IOAINS installation program terminates with a condition code of 08.

**Corrective Action:** Correct the PARM field and resubmit the job.

**IOA705I** {START | END} MODIFYING OF LINES FOR MEM=memName,
LIB=lib

**Explanation:** This information message indicates that statements contained in the specified library or
member will be (START) or were (END) modified depending on the operation. This message is issued at
the start and after modification of each member by IOAINS.

**Corrective Action:** No action is required.

**IOA706I** LINE BEFORE CHANGE: stmt

**Explanation:** This information message displays each statement before it is modified.

**Corrective Action:** No action is required.

**IOA707I** LINE AFTER CHANGE: stmt

**Explanation:** This information message displays each statement after it is modified.
Corrective Action: No action is required.

IOA708E OPEN OF DDNAME ddName FAILED

Explanation: The specified DD name could not be opened. This message is issued when errors occur during an attempt to open the mandatory DD names of the IOAINS and IOAIN1 installation programs. The IOAINS or IOAIN1 installation program terminates with a condition code of 08.

Corrective Action: Correct the error and resubmit the job.

IOA709E INVALID PARMS IN stmt

Explanation: In the IOAINS program, this message is issued as a result of an unrecognized parameter in the DEFPARMx member, where x represents the IOA product. In the IOAIN1 program, this message is issued as a result of an unrecognized parameter in the member pointed to by the DAINS DD statement. In both cases, the statement content follows.

The DEFPARMx member or the DAINS DD statement contains installation variables to replace constants throughout the product libraries. However one of the variables was not recognized by IOAINS or IOAIN1. The IOAINS or IOAIN1 installation program terminates with a condition code of 08.

Corrective Action: Check the statement content. Do not modify the text between the percent signs. If needed, restore the relevant library from the original tape to determine the original variable value.

IOA70AE ERROR ALLOCATING MEM=memName LIB= lib

Explanation: The specified library or member could not be allocated. The DALIBS DD name contains a list of libraries and members in which modification of the product Installation Parameters takes place. If the member is blank, the entire library can not be allocated.

The IOAINS installation program continues with the next library and member as specified under the DD name DALIBS.

Corrective Action: Determine the reason the library or member could not be allocated. Then resubmit IOAINS while DALIBS contains only the problematic library and member specifications.

IOA70BE MISSING PARAMETERS IN THE PARM FIELD

Explanation: Incorrect or missing PARM value in the IOAIN1 installation program. The PARM field of the IOAIN1 installation program should contain the type of run (1, 2, 3, 4, 5, or 6), followed by the product suffix, and a series of variables to be modified by the program. However, this PARM value was missing or incorrect.

The IOAIN1 installation program terminates with a condition code of 08.

Corrective Action: Check the PARM field in the IOAIN1 installation program, correct the error, and resubmit the job.

IOA70CE INVALID "OS" PARAMETER. EXPECTED VALUES: MVS, MSP

Explanation: An invalid OS parameter was passed to the IOAIN1 installation program, with run type 4. When running the IOAIN1 installation program with run type 4, the OS parameter should be MVS or MSP.
The IOAIN1 installation program terminates with a condition code of 08.

Corrective Action: Check the PARM field in the IOAIN1 installation program, correct the error, and resubmit the job.

IOA70DE MODIFYING OF LINES ENDED, DD=ddName

Explanation: This information message indicates that the IOAIN1 installation program successfully completed modification of the lines in the member pointed to by the ddName DD statement. This message is issued for each DD statement of the format DAINS xxx.

Corrective Action: No action is required.

IOA70EE "parm" PARAMETER VALUE EXCEEDS 44 CHARACTERS. PROGRAM TERMINATED

Explanation: The value assigned to the parm parameter, which was coded in the DEFPARMx member and should be substituted by the IOAINS installation program, exceeded 44 characters. Since the maximum length for a parameter value is 44, the program cannot perform variable substitution.

The program stops executing with a return code of 08. No substitution is performed by this step of IOAINS.

Corrective Action: Correct the value of parm and rerun the job.

IOA712E INVALID PARAMETER IN SYSIN FILE RSN:05

Explanation: The IOAFTR installation program is used for tailoring members during the copying process from one library to another. This message is issued by IOAFTR if the SYSIN statement includes the same input and output libraries pointed to by the INDD and OUTDD statements and the same member name for input and output.

The IOAFTR installation program terminates with a reason code of 05.

Corrective Action: Check the settings or change the name of one of the members to: xxxxxxx1 and rerun the process.

IOA717E CALENDAR CONTAINS INVALID DATA

Explanation: The IOACL utility displays this message if a calendar contains invalid data. For example, a regular calendar can have a value of Y/N/+/-/blank in the months. If another value is present, this error message will be displayed. Note that the previous message identifies the calendar that contains the error. The XML output file will not contain this calendar.

Corrective Action: Check the calendar, correct the values that are invalid, and rerun the IOACL utility.

IOA71EI PROCESSING CALENDAR calendar name

Explanation: This message is produced for each calendar that is processed by the IOACL utility.

Corrective Action: No action is required.
IOA720I UTILITY *util* STARTED

**Explanation:** This information message is issued by CTMAPI, and indicates that the utility identified in the message has started.

CTMAPI issues this message before calling the application that handles the appropriate action code.

**Corrective Action:** No action is required.

IOA721I UTILITY *util* ENDED SUCCESSFULLY

**Explanation:** This information message is issued by CTMAPI, and indicates that the utility identified in the message has ended with a return code of 0.

**Corrective Action:** No action is required.

IOA722I UTILITY *util* ENDED UNSUCCESSFULLY REASON *rc*

**Explanation:** This information message indicates that the specified utility identified in the message has ended with a return code other than 0.

In this message, *rc* is the return code.

**Corrective Action:** Use the contents of any messages issued by the utility, together with the return code, to determine the cause of the problem and take appropriate corrective action.

IOA723I API ENDED UNSUCCESSFULLY REASON *rc*

**Explanation:** This message is issued whenever CTMAPI fails to perform an action, for example, failing to load an application.

In this message, *rc* is the reason code, the meaning of which is identical to the reason codes issued by the CTMBAPI DSECT, which can be found in the CTMBAPI member in the IOA MAC library.

The reason codes are listed below:

<table>
<thead>
<tr>
<th><em>rc</em></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>SYNTAX ERROR</td>
</tr>
<tr>
<td>204</td>
<td>ERROR IN OPENING DAAPi file</td>
</tr>
<tr>
<td>208</td>
<td>DUPLICATE ERROR</td>
</tr>
<tr>
<td>212</td>
<td>UNRECOGNIZED COMMAND IN DAAPi DSECT</td>
</tr>
<tr>
<td>216</td>
<td>CTMAPQ INTERNAL ERROR</td>
</tr>
<tr>
<td>220</td>
<td>IF statement NOT SATISFIED</td>
</tr>
<tr>
<td>224</td>
<td>AJF OPEN ERROR</td>
</tr>
<tr>
<td>228</td>
<td>GETMAIN ERROR</td>
</tr>
<tr>
<td>rc</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>232</td>
<td>INVALID RBA</td>
</tr>
<tr>
<td>236</td>
<td>QNAME ERROR</td>
</tr>
<tr>
<td>240</td>
<td>QNAME ERROR</td>
</tr>
<tr>
<td>244</td>
<td>READ OF RECORD 0 FAILED</td>
</tr>
<tr>
<td>248</td>
<td>MIT WAS NOT FOUND</td>
</tr>
<tr>
<td>252</td>
<td>CTMUCK INITialization FAILED</td>
</tr>
<tr>
<td>256</td>
<td>RESOURCE FILE OPEN ERROR</td>
</tr>
<tr>
<td>262</td>
<td>RESOURCE NOT FOUND</td>
</tr>
<tr>
<td>266</td>
<td>NOT A Control-M FILE</td>
</tr>
<tr>
<td>270</td>
<td>DYNAMIC ALLOCATION FAILED</td>
</tr>
<tr>
<td>274</td>
<td>LOAD OF PROGRAM FAILED</td>
</tr>
<tr>
<td>278</td>
<td>NEW DAY IN PROCESS</td>
</tr>
<tr>
<td>282</td>
<td>TOO MANY TAGS DEFINED</td>
</tr>
<tr>
<td>286</td>
<td>BAPI DID NOT RETURN ALL LINES</td>
</tr>
<tr>
<td>290</td>
<td>NO VALUE SUPPLIED IN SET GLOBAL</td>
</tr>
<tr>
<td>294</td>
<td>GLOBAL ACTION FAILED</td>
</tr>
<tr>
<td>298</td>
<td>GLOBAL ACTION FAILED</td>
</tr>
<tr>
<td>302</td>
<td>GLOBAL ACTION FAILED</td>
</tr>
<tr>
<td>306</td>
<td>ILLEGAL JOBID FORMAT</td>
</tr>
<tr>
<td>310</td>
<td>JOB FORMAT CONVERSION ERROR</td>
</tr>
<tr>
<td>314</td>
<td>JOB NOT HELD</td>
</tr>
<tr>
<td>318</td>
<td>JOB NOT BUILT - CTMJOB ERROR</td>
</tr>
<tr>
<td>322</td>
<td>SAVED JOB SIZE INCORRECT</td>
</tr>
<tr>
<td>rc</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>326</td>
<td>ERROR DURING JOB SAVE</td>
</tr>
<tr>
<td>330</td>
<td>Control-M MONITOR NOT ACTIVE</td>
</tr>
<tr>
<td>334</td>
<td>CTMUCK RETRY LIMIT REACHED</td>
</tr>
</tbody>
</table>

**Corrective Action:** No action is required.

**IOA724E NO KEYWORD FOUND**

**Explanation:** A valid action code was specified, but no other mandatory keywords were supplied. Therefore CTMAPI cannot perform the action that was requested.

For further information on mandatory keywords, see the CTMAPI appendix in the *Control-M for z/OS User Guide*.

The action is not performed.

**Corrective Action:** Correct the request by inserting the mandatory keywords.

**IOA725E DUPLICATE KEYWORD**

**Explanation:** The same keyword was specified more than once.

The action that was requested is rejected.

**Corrective Action:** Correct the request by removing the duplicate keyword specifications, and resubmit the request.

**IOA726E EXPECTED VALUE FOR TOKEN**

**Explanation:** In an action request, a keyword was specified that requires a value, but no value was found.

For example, the keyword DSNAME was specified, but no data set name was specified.

The request is rejected.

**Corrective Action:** Correct the syntax of the command, and reissue the request.

**IOA727E ILLEGAL VALUE LENGTH**

**Explanation:** A parameter was set to a value that exceeds the maximum valid length.

The request is rejected.

**Corrective Action:** Correct the command to ensure that the lengths of the values of all parameters are valid.

**IOA728I inputText**

**Explanation:** This information message serves as an echo line, showing the input to CTMAPI.

**Corrective Action:** No action is required.
IOA729E I LLEGAL COMMAND

Explanation: A CTMAPI request was issued, but the action requested is not one defined by CTMAPI. The request is rejected.

Corrective Action: Correct the command so as to ensure that only valid actions are requested.

IOA72AI action SUCCESSFUL

Explanation: This information message indicates that CTMAPI successfully performed a SEARCH or IF action.

Corrective Action: No action is required.

IOA72BI action NOT SUCCESSFUL

Explanation: This information message indicates that CTMAPI was unsuccessful in performing a SEARCH or IF action.

Corrective Action: No action is required.

IOA72CE SYNTAX ERROR

Explanation: CTMAPI could not perform the action that was requested because of a syntax error in the request.

This message is usually accompanied by other messages that clarify the nature of the error. The request is rejected.

Corrective Action: Examine the request and correct the error.

IOA72DE UNRECOVERABLE ERROR OCCURRED DURING SEARCH

Explanation: An internal error occurred while CTMAPI was performing the SEARCH AJF command. Possible causes are such problems as failure to get memory, failure to find the AJF that was specified, and so on.

Usually this message is accompanied by other messages issued by CTMAPI or CTMAPQ. The command is rejected.

Corrective Action: Examine any accompanying messages, and take appropriate corrective action.

IOA72JE AJF ACTION NOT PERFORMED

Explanation: An AJF action that was requested was not performed. Usually, this message is accompanied by other messages that explain the reason.

The AJF action is not performed.

Corrective Action: Examine the accompanying messages to ascertain the nature of the problem, and take appropriate corrective action.
**IOA72KE NEWDAY IN PROCESS**

**Explanation:** An AJF action that was requested could not be performed, because the New Day procedure is holding the AJF. No action can be performed on the AJF until the New Day procedure releases it.

The AJF action is not performed.

**Corrective Action:** Wait for a time, until the New Day procedure ends, and reissue the request.

**IOA72LE MISSING ON PGMST LINE DEFINITION**

**Explanation:** This message is issued when a user edited a job definition in the Job Scheduling Definition screen (Screen 2), and

- defined two ON PGMST statements connected by a Boolean connector (AND or OR)
- failed to complete the details of the second ON PGMST statement
- attempted to save the job

**Corrective Action:** Correct the problematic ON PGMST statement.

**IOA72MI ACTION action ON JOB jobId ORDERID orderId**

**Explanation:** This message describes the action taken by CTMAPI on a job in the Active Jobs file.

The variables in this message are:

- `action` - the action that was taken
- `jobId` - the identity of the relevant job
- `orderId` - the order ID of the job

CTMAPI performs the action and issues this message. This message is followed by one of the following messages:

- IOA72AI - issued when the return code resulting from the action signifies successful completion of the action
- IOA72BI - issued when the return code resulting from the action signifies unsuccessful completion of the action

**Corrective Action:** Verify that the action identified in this message was performed on the correct job.

**IOA72QE ACTION FAILED rsn: action ON JOB jobName ORDERID orderId**

**Explanation:** The CTMAPI utility failed to perform the requested action on the `jobName` job, whose order ID is `orderId`. The reason for the failure is described by the following `rsn` codes:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Invalid request (or parameters)</td>
</tr>
<tr>
<td>rsn</td>
<td>Description</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
</tr>
</tbody>
</table>
| 8   | Request to delete non-held entry  
     | Request to free non-held entry  
<pre><code> | Request to change non-held entry |
</code></pre>
<p>| 12  | Open of AJF (ddname DACHKPT) failed |
| 16  | ENQUE failed |
| 20  | MIT phase changed |
| 24  | No room on AJF for more changes |
| 28  | Request to act on deleted entry |
| 32  | Request to rerun an unfinished job |
| 36  | Request to free while still requested change |
| 40  | Request to delete while still in process |
| 44  | Request to delete while *p request active |
| 48  | Security violation |
| 52  | Rerun decision was changed - rerun not performed |
| 56  | Restart decision was changed - restart not performed |
| 60  | Job not waiting for confirmation |
| 64  | Restart decision was deleted - restart not performed |
| 68  | Request to react an undisappeared job |
| 72  | FORCE OK not performed - job already running |
| 76  | FORCE OK not performed - job already rerun |
| 80  | FORCE OK not performed - job already ended &quot;OK&quot; |
| 84  | FORCE OK not performed - cyclic job |</p>
<table>
<thead>
<tr>
<th>rsn</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>88</td>
<td>Exit did the work by itself</td>
</tr>
<tr>
<td>92</td>
<td>Load/init of CTMHCP failed</td>
</tr>
<tr>
<td>96</td>
<td>Setup failed by CTMHCP</td>
</tr>
<tr>
<td>100</td>
<td>Copy failed by CTMHCP</td>
</tr>
<tr>
<td>104</td>
<td>Commit failed by CTMHCP</td>
</tr>
<tr>
<td>108</td>
<td>Bypass not performed - job not WAIT SCHED</td>
</tr>
<tr>
<td>112</td>
<td>KILL not performed - job not executing</td>
</tr>
<tr>
<td>116</td>
<td>KILL not performed - job is STC</td>
</tr>
<tr>
<td>120</td>
<td>KILL not performed - job is NJE</td>
</tr>
</tbody>
</table>

**Corrective Action:** No action is required.

**IOA72SW** ERROR IN TIMEZONE: DUPLICATE TIME ZONE NAME . LINE IGNORED

**Explanation:** A duplicate time zone designation was detected in the TIMEZONE member of the CTM PARM library. The time zone in question is listed in message IOA72ZI, which follows message IOA72SW.

**Corrective Action:** Correct the TIMEZONE member.

The duplicate entry is ignored.

**IOA72UI** JOB jobName ORDERID orderId EXCLUDED FROM EM DOWNLOAD

**Explanation:** This information message indicates that the jobName job, whose order ID is orderId, is marked to be excluded from the next downloading of jobs from the AJF to Control-M/EM. This is a response to the CTMAPI command EMDOWNLD EXCLUDE LIST, which lists the jobs currently excluded from the download process.

**Corrective Action:** No action is required.

**IOA72VI** NO JOBS EXCLUDED FROM EM DOWNLOAD

**Explanation:** This information message appears in response to the CTMAPI command EMDOWNLD EXCLUDE LIST, which lists the jobs currently excluded from the download process. No jobs with such a status were found on the AJF.

**Corrective Action:** No action is required.
IOA72XI JOB jobName IS A GROUP ENTITY -- ALL JOBS IN GROUP WILL BE PROCESSED

Explanation: This information message indicates that a request to exclude the jobName job from downloading is being processed, and the job was found to be a group entity. As a result, all jobs in the group are marked as excluded from downloading.
Corrective Action: No action is required.

IOA72ZI text

Explanation: This information message contains the timezone entry and description text.
Corrective Action: See message IOA72SW.

IOA740E MEMBER MemName IS IN USE, PLEASE TRY LATER

Explanation: The MemName member is in use and cannot be overwritten.
Corrective Action: Release the MemName member.

IOA741E PROBLEMS WITH BASE LIBRARY basepref.INSTALL error

Explanation: The install library specified in the message does not exist, or has an invalid DSNNAME.
The variables in this message are:
- basepref - the base prefix of the missing install library
- error - a description of the error
A prompt is issued for the base prefix.
Corrective Action: Check if the library was installed, or if the prefix was misspelled, and correct accordingly.

IOA742E PROBABLY NOT A BASE LIBRARY IOAIC00A error

Explanation: The basepref.INSTALL parameter points to a data set that is not a base library. A base library must contain the IOAIC00A member.
A prompt is issued for a base prefix.
Corrective Action: Specify the correct base library prefix.

IOA743E ENVIRONMENT TABLE PROBLEMS[. APPLICATION TERMINATED]

Explanation: The Environment table was not found in the specified install library.
The ICE application terminates.
Corrective Action: Reload the required install library from the installation tape.
IOA744E UNABLE TO ALLOCATE THE ENVIRONMENT \textit{lib} LIBRARY DATASET NAME: \textit{dsn}

\textbf{Explanation:} The application failed to allocate the \textit{dsn} dataset name in the environment's \textit{lib} library.

\textbf{Corrective Action:} Consult your system administrator to check for an MVS allocation problem.

IOA746I NO ENVIRONMENT EXISTS OR SELECTED [FOR CLONING]

\textbf{Explanation:} This information message indicates that no environment exists or is selected. Either this is the first time ICE was activated, or no current environment exits. The system cannot proceed with any activity other than ENVIRONMENTS.

\textbf{Corrective Action:} In the ICE Main Menu, select Installation and then select the ENVIRONMENTS activity. If needed, define an environment; select a defined environment.

IOA747E UNKNOWN OR MISSING PRODUCT ID

\textbf{Explanation:} An invalid product ID was specified. Product ID is a three letter abbreviation of an IOA product, for example, CTM for Control-M.

\textbf{Corrective Action:} Specify a valid product ID.

IOA748E ENFORCE STEP ORDER MUST BE YES OR NO

\textbf{Explanation:} A value other than YES or NO was specified in the Enforce step order parameter.

\textbf{Corrective Action:} Specify YES or NO.

IOA749E THIS ACTIVITY CANNOT BE PERFORMED FOR THIS PRODUCT ID

\textbf{Explanation:} The user specified a product and an activity that cannot be specified together. Certain activities are valid only when installing certain products. For example, activities INSTALL, COPY IOA, and MAINTENANCE are valid only for product ID IOA.

\textbf{Corrective Action:} Specify another activity (or change the product ID).

IOA74AE THIS ACTIVITY CANNOT BE SELECTED FOR \textit{product}

\textbf{Explanation:} The user selected an activity that is not valid when installing a product which is not \textit{product}.

\textbf{Corrective Action:} Change the activity or the product ID.

IOA74BE THIS ACTIVITY IS NOT SUPPORTED FOR A CLONED ENVIRONMENT

\textbf{Explanation:} The message is displayed when one of the following SMP/E processes is attempted on a cloned environment:
applying a maintenance upgrade (ICE Main Menu=>Maintain your Environment=>Maintenance)
applying ad hoc PTFs (ICE Main Menu=>Maintain your Environment=>APPLY PTFs)

These processes cannot be performed since cloned environments do not include the SMP/E installation utilities.

**Corrective Action:** Avoid selecting the above ICE options on cloned environments.

**IOA74CE** THIS ACTIVITY IS NOT VALID FOR AN ENVIRONMENT CREATED FROM TAPE

**Explanation:** The user requested activity COPY IOA for an environment created from the product tape. This is not permitted.

**Corrective Action:** If this message was issued in a Default or an IOA cloned installation, see the INCONTROL for z/OS Installation Guide, “Customizing INCONTROL Products.”

If this message was issued in a customized installation, select the ENVIRONMENTS activity and then select an environment whose CREATE FROM parameter is an environment ID.

**IOA74DE** PFMSMF: Value PFMSMF MUST BE ZERO OR BETWEEN 128 AND 255

**Explanation:** This error message indicates that the value of the parameter PFMSMF is incorrect.

**Corrective Action:** Set the value of the parameter PFMSMF to 0 or a number between 128 and 255.

**IOA750E** THE ENVIRONMENT NAME MUST BEGIN WITH A LETTER

**Explanation:** The first position of the environment name is not an alphabetic character.

A prompt is issued for the environment name parameter.

**Corrective Action:** Specify a value in the environment name parameter with an alphabetic character in the first position.

**IOA751E** PREFIX MUST BE DIFFERENT FROM THE BASE PREFIX

**Explanation:** The same prefix is specified for the base and for the environment. The same prefix cannot be used for both the environment data sets and for the base data sets.

A prompt is issued for the environment prefix parameter.

**Corrective Action:** Specify an environment prefix different from the base prefix.

**IOA752E** NOT A VALID DSNAME SYNTAX OR EMPTY

**Explanation:** A DSNAME that does not conform to DSNAME syntax rules is specified or the field was left blank. The DSNAME must conform to DSNAME syntax rules and cannot be empty.

A prompt is issued for the DSNAME.

**Corrective Action:** No action is required.
IOA753E EITHER DEFINE BOTH UNIT AND VOLSER OR LEAVE BOTH OF THEM BLANK

Explanation: The unit or volume names are missing. Both the unit and volume names must be supplied. A prompt requests the missing parameter.

Corrective Action: Specify the missing name.

IOA754E ENVIRONMENT ID CANNOT BE TAPE or EPD

Explanation: The environment ID is specified as TAPE or EPD. The environment ID can be any string, up to eight characters, except the strings TAPE or EPD. A prompt is issued for the environment ID parameter.

Corrective Action: Specify an environment ID other than TAPE or EPD.

IOA755E DUPLICATION IS NOT ALLOWED

Explanation: An attempt to define a new environment uses the name/installation prefix of a previously defined environment. The name of an environment/installation prefix must be unique. A prompt is issued for the environment name/installation prefix parameter.

Corrective Action: Specify a name for the environment/installation prefix which does not match the name/installation prefix of another environment.

IOA756I ENVIRONMENT environmentID DELETED

Explanation: This information message indicates that the specified environment was deleted as required. The entry in the environment table was deleted. The libraries were not deleted.

Corrective Action: No action is required.

IOA757E THE COPY FROM ENVIRONMENT environmentID DOES NOT EXIST

Explanation: There was an attempt to create a new environment from an existing environment, but the environmentID source environment does not exist. A prompt is issued for the environment ID parameter.

Corrective Action: Change the source environment ID to one that already exists.

IOA758E ONLY ONE ENVIRONMENT CAN BE INSTALLED FROM TAPE

Explanation: An attempt to install, in a single base, more than one environment from the product tape failed. Only one environment, per base library, can be installed from the same product tape.

Corrective Action: Select another environment from which to install the new environment.
IOA760E COULD NOT LOAD ISPLNK MODULE

Explanation: The installation application failed to load the ISPLINK module. ICE requires the use of the ISPF ISPLINK module, and therefore loads the module during installation.

Corrective Action: Consult your system administrator who should check the ISPF installation.

IOA761E MEMBER memName NOT FOUND

Explanation: The memName member does not exist.

Corrective Action: Check that the member name and library are specified correctly.

IOA762E INVALID ACTION

Explanation: An invalid action code was specified. The valid action codes appear on each screen.

Corrective Action: Specify a valid action.

IOA763E CANNOT SELECT STEP. PRIOR STEP NOT COMPLETED

Explanation: A major or a minor step was selected, but previous steps were optional, excluded, or not completed. If ENFORCE STEP ORDER is specified as YES, the application checks the prior steps.

Corrective Action: Complete prior steps, or specify ENFORCE STEP ORDER=NO.

IOA764I BROWSE MODE - VIEW ONLY

Explanation: This information message indicates that the current screen is in browse mode.

Corrective Action: No action is required.

IOA765E CANNOT MARK STEP AS COMPLETE. SOME MINOR STEPS ARE NOT COMPLETED

Explanation: An attempt to mark a major step as completed when at least one mandatory minor step was not completed failed. A major step can be marked as completed only when all mandatory minor steps have been completed.

Corrective Action: Complete the mandatory minor steps.

IOA766E CANNOT ALLOCATE HELP FILE

Explanation: The online help file cannot be allocated. The online help file is allocated when the help is requested, or EXTERNAL STEP is selected.

Corrective Action: Check that the IOAIMxxx member, where xxx is the Product ID, appears in the basepref.INSTALL library.
IOA767E KEYWORD *keyName* WAS NOT FOUND IN MEMBER *memName*

**Explanation:** The keyword *keyName* in Special Edit (Data * type step) does not appear in the specified member. The Special Edit process searches for the keyword in the target member and, if requested, in the reference member. If the keyword is not found in either one of these members, this message is issued.

**Corrective Action:** If the identified member is the reference member, choose another member, or specify N to relinquish the use of a reference. If the specified member is the target member, copy it from the base library into the target member.

IOA768E TARGET AND DISTRIBUTION ZONE NAMES CANNOT BE GLOBAL

**Explanation:** An attempt to specify the name of a target or distribution zone as GLOBAL failed. In SMP/E, GLOBAL is reserved for the name of the global zone.

A prompt is issued for the target or distribution zone parameter.

**Corrective Action:** Specify another name for the zone in question.

IOA769E TARGET AND DISTRIBUTION ZONE NAMES MUST BE DIFFERENT

**Explanation:** Identical names were specified for the target and distribution zones. Target and distribution zone names must be unique.

A prompt is issued for the target or distribution zone parameter.

**Corrective Action:** Change either the target or distribution zone name.

IOA76AE TARGET PREFIX MUST BE DIFFERENT FROM GLOBAL PREFIX

**Explanation:** Identical prefixes were specified for the target and global prefixes. Target and global prefixes must be unique.

A prompt is issued for the target or prefix parameter.

**Corrective Action:** Change the target prefix.

IOA76BE DISTRIBUTION PREFIX MUST BE DIFFERENT FROM GLOBAL PREFIX

**Explanation:** Identical prefixes were specified for the distribution and global prefixes. Distribution and global prefixes must be unique.

A prompt is issued for the distribution prefix parameter.

**Corrective Action:** Change the distribution prefix.

IOA76CE DISTRIBUTION AND TARGET PREFIXES MUST BE DIFFERENT

**Explanation:** Identical prefixes were specified for the distribution and target prefixes. Distribution and target prefixes must be unique.

**Corrective Action:** Change either the distribution or target prefix.
IOA76DE The step can be marked as COMPLETE only after being selected

Explanation: This step can be marked as COMPLETE only after being selected at least once.
Corrective Action: Select this member, and then mark it as COMPLETE.

IOA76EE Step can not be marked as COMPLETE, the process did not finish ok

Explanation: The step can be marked as COMPLETE only after the process finishes OK.
Corrective Action: Make sure that the process finishes OK, and then mark it as COMPLETE.

IOA770E MISSING VALUES FOR: parms

Explanation: There was an attempt to mark the Data Type minor step as completed, but at least one of its mandatory parameter values was not specified. The names of the problematic parameters are listed in the message.

The step is not marked as completed.
Corrective Action: Select the step again and specify the missing values.

IOA771E varName MUST BE NUMERIC AND WHOLE NUMBER ONLY

Explanation: A non-numeric or non-integer value was specified for the varName variable.
A prompt is issued for the variable.
Corrective Action: Specify a numeric value for the variable.

IOA772E ParmName MUST BE ALPHANUMERIC [AND FIRST CANNOT BE NUMERIC]

Explanation: An invalid value was specified for the ParmName parameter.
The word "Parameters" is a valid value for the ParmName parameter.
Corrective Action: Specify a valid value for the parameter.

IOA773E varName MUST BE AT LEAST charNum CHARACTERS LONG

Explanation: The input value for the variable identified in the message was too short.
A prompt is issued for the variable.
Corrective Action: Specify a character string for the variable that contains at least the minimum number of characters indicated in the message.

IOA774E varName MUST BE AT MOST charNum {CHARACTERS | DIGITS} LONG

Explanation: The input value for the variable identified in the message was too long.
A prompt is issued for the variable.
Corrective Action: Specify a character string for the variable that does not exceed the maximum length indicated in the message.

IOA775E varName MUST BE val OR LESS

Explanation: The input value for the variable identified in the message was too large.
A prompt is issued for the variable.

Corrective Action: Specify a number for the variable that is less than the value indicated in the message.

IOA776E varName MUST BE val OR GREATER

Explanation: The input value for the variable identified in the message was too small.
A prompt is issued for the variable.

Corrective Action: Specify a number for the variable that exceeds the value indicated in the message.

IOA777E varName VALUE SHOULD BE BETWEEN val1 AND val2

Explanation: The input value for the variable identified in the message was not in the indicated range.
A prompt is issued for the variable.

Corrective Action: Specify a number for the variable within the range specified in the message.

IOA778E varName VALUE IS ONE OF: val1 val2 ... val6

Explanation: The input value for the variable identified in the message was not one of a number of valid values.
A prompt is issued for the variable.

Corrective Action: Specify for the variable one of the valid codes indicated in the message.

IOA779E varName IS MANDATORY

Explanation: A mandatory variable has no value.
A prompt is issued for the variable.

Corrective Action: Specify a value for the variable.

IOA77AE varName HAS INVALID DSNAME SYNTAX OR EMPTY

Explanation: The DSNAME for the variable does not conform to DSNAME syntax rules or is empty. The DSNAME must conform to DSNAME syntax rules.
A prompt is issued for the variable.

Corrective Action: Correct the DSNAME.
IOA77BE \textit{varName} FAILED VALIDITY CHECKS. PLEASE CONSULT THE INSTALLATION MANUAL

\textbf{Explanation:} The value of the specified variable is invalid.
A prompt is issued for the variable.

\textbf{Corrective Action:} Refer to the \textit{INCONTROL for z/OS Installation Guide} for the valid format and values of the variable.

IOA77CE SIGN OF \textit{varName} MUST BE - OR +

\textbf{Explanation:} There is no minus sign - or plus sign + before the identified field.
A prompt is issued for the variable.

\textbf{Corrective Action:} Insert a minus sign - or a plus sign + at the beginning of the field.

IOA77DE HOUR MUST BE BETWEEN 00 AND 23

\textbf{Explanation:} An invalid value specifies the hour of the day. The hour value must be between 00 and 23.
A prompt is issued for the variable.

\textbf{Corrective Action:} Specify an hour value between 00 and 23.

IOA77EE MINUTE MUST BE BETWEEN 00 AND 59

\textbf{Explanation:} An invalid value specifies the minute of the day. The minute value must be between 00 and 59.
A prompt is issued for the variable.

\textbf{Corrective Action:} Specify a minute value between 00 and 59.

IOA77FE \textit{varName} MUST BE IN HEXADECIMAL DIGITS

\textbf{Explanation:} A non-hexadecimal value was specified for the specified variable. The value must be either 0 to 9, or A to F.
A prompt is issued for the variable.

\textbf{Corrective Action:} Specify a hexadecimal value.

IOA780W DO NOT PROCEED. CANNOT INSTALL \textit{prod1} WHEN \textit{prod2} IS NOT INSTALLED

\textbf{Explanation:} An attempt to install product \textit{prod1} before concluding the installation of the prerequisite product \textit{prod2} failed.
Some products can be installed only after other products have been installed. For example, IOA must be installed before all other IOA products.

\textbf{Corrective Action:} Complete all the installation steps of the prerequisite product.
IOA781E varName1: val1 MUST BE DIFFERENT FROM varName2 [in xxxPARM]

**Explanation:** The values for variable 1 and variable 2 in xxxPARM are identical. If in xxxPARM is missing variable 1 and variable 2 are in the same member.

**Corrective Action:** Choose another value for one of the variables.

IOA782W CTM: val1 CTD: val2 CTD OR CTM MUST BE "Y"

**Explanation:** The values of the CTM or CTD parameter were not specified as Y.

**Corrective Action:** Specify CTM or CTD as Y.

IOA783E var: MAX. TWO QUALIFIERS ALLOWED

**Explanation:** The var variable can contain only two qualifiers (only one dot is allowed).

**Corrective Action:** Correct the var variable to contain only two qualifiers (with only one dot).

IOA784E SMF: valSMF = NO, OR SMF BETWEEN 128 AND 255

**Explanation:** An invalid value is specified for SMF. Valid values for SMF are either NO, or a numeric value in the range 128-255.

**Corrective Action:** Change the value of the SMF parameter to NO, or a number between 128 and 255.

**Corrective Action:** Correct the var variable to contain only two qualifiers (with only one dot).

IOA785W DUALVOL: volser

**Explanation:** When installing IOA, installation of a dual database was requested by specifying Y in the DUALDB parameter. For improved performance and recovery capability, place the dual file on a different disk and (preferably) on a different disk controller than the rest of the IOA Core:

- DBVOLA — the volume serial number for IOA Core
- DUALVOL — the volume on which the dual database is to be allocated

**Corrective Action:** Specify different volumes for the IOA Core and dual files.
IOA786E DUALUNIT: NONE

IF DUALDB IS "Y" THEN DUALUNIT CANNOT BE NONE

DUALVOL: NONE

IF DUALDB IS "Y" THEN DUALVOL CANNOT BE NONE

Explanation: When installing IOA, installation of a dual database was requested by specifying Y in the DUALDB parameter. However, one or both of the following parameters were specified NONE (rather than a valid value):

- DUALUNIT— the unit on which the dual database is to be allocated
- DUALVOL— the volume on which the dual database is to be allocated

Corrective Action: Either change the DUALDB field to N or make sure that both a valid unit number is specified for DUALUNIT and a valid volume is specified for DUALVOL.

IOA787E MAXDAYS MAXRUNS CANNOT BE BOTH NULLS

Explanation: No value is specified for either MAXDAYS or MAXRUNS. A value must be specified for at least one of these parameters.

Corrective Action: Specify a value in the MAXDAYS parameter, or the MAXRUNS parameter, or both.

IOA788E COMM: {SNA | TCP}{APPLID= | PORT=} MUST BE SUPPLIED IF COMM = {SNA | TCP}

Explanation: No value is specified for the APPLID parameter when COMM is set to SNA, or there is no value specified for the PORT parameter when COMM is set to TCP.

Corrective Action: Specify a valid value in the APPLID or PORT accordingly.

IOA789E PROCPRFA: procprfa_val, PROCLIB: DONTCOPY SITEPROC: DONTCOPY. WHEN BOTH PROCLIB AND SITEPROC ARE DONTCOPY THEN PROCPRFA MUST BE IOA

Explanation: This is one of two messages with the same ID, but different text.

DONTCOPY is specified in the PROCLIB and SITEPROC parameters but an invalid value is specified in the PROCPRFA parameter.

Corrective Action: Change the value of the PROCPRFA parameter to IOA as indicated in the message.

IOA789E CLISTNMJ: clistnmj_val, SYSPROCA: DONTCOPY. WHEN SYSPROCA IS DONTCOPY THEN CLISTNMJ MUST BE CTJ XVER

Explanation: This is one of two messages with the same ID, but different text.

DONTCOPY is specified in the SYSPROCA parameter, but an invalid value is specified in the CLISTNMJ parameter.
Corrective Action: Change the value of the CLISTNMJ parameter to CTJXVER as indicated in the message.

IOA78AW varName: val DATASET NOT FOUND

Explanation: The supplied non-IOA data set name does not exist or is not cataloged. A data set name was specified to which an IOA data set is to be copied.

Corrective Action: Check that the specified data set name is correct.

IOA78BE IF IOAID 1 THEN SHRQNM MUST BE DIFFERENT FROM QNAME AND NOT NULL

Explanation: The SHRQNM field is blank or has the same value as the QNAME field, when the value of the IOAID field is greater than one. When the IOAID is greater than one, a unique name must be specified for the shared queue.

Corrective Action: Specify a unique name in the SHRQNM field.

IOA78CE CTO DAYTIME: val1 CTM DAYTIME: val2. CTO DAYTIME MUST BE EQUAL TO CTM DAYTIME

Explanation: A DAYTIME value is specified for Control-O that is different from the DAYTIME value of Control-M, which was installed earlier.

Corrective Action: Change Control-O DAYTIME to match that of Control-M.

IOA78DE HSTSIZE: val1 AJFSIZE: val2. HSTSIZE CANNOT BE LESS THAN AJFSIZE

Explanation: The HSTSIZE value cannot be less than the AJFSIZE value.

Corrective Action: Change the Control-M HSTSIZE parameter or the AJFSIZE parameter values.

IOA78EE PARALLEL: val1 MODET: val2. FOR PARALLEL=S, MODET MUST BE "TEST"

Explanation: When the Control-M/Tape PARALLEL parameter is specified as "S", the MODET parameter must be "TEST".

Corrective Action: Change the Control-M/Tape PARALLEL parameter or the MODET parameter values.

IOA78FE DYNDS: val1 DYNVOL: val2. WHEN DYNDS=N, DYNVOL CANNOT CONTAIN "Y"

Explanation: When the Control-M/Tape DYNDS parameter is specified as "N", the DYNVOL parameter cannot be "Y".

Corrective Action: Change the Control-M/Tape DYNDS parameter or the DYNVOL parameter values.
IOA78GE JS3CHRS: val1 text

**Explanation:** The *val1* value entered for the JS3CHRS parameter is invalid. The *text* field contains the explanation.

**Corrective Action:** Change parameter JS3CHRS as required.

IOA790E COULD NOT FIND OR OPEN FILE: dsn MEMBER: memName

**Explanation:** The installation application could not find or open the specified file.

**Corrective Action:** Check that the DSNAME and library name are specified correctly.

IOA791E NUMBER OF JOBS SPECIFIED IS NOT NUMERIC

**Explanation:** The user specified a non-numeric value for the number of jobs.

**Corrective Action:** Specify a numeric value for the number of jobs.

IOA792E NUMBER OF RULES SPECIFIED IS NOT NUMERIC

**Explanation:** A non-numeric value is specified for the number of rules.

**Corrective Action:** Specify a numeric value for the number of rules.

IOA793E NUMBER OF RETENTION DAYS IS NOT NUMERIC OR OUT OF RANGE

**Explanation:** A non-numeric value or a number that exceeds the maximum is specified for the number of retention days.

**Corrective Action:** In the case of a non-numeric value, specify a numeric value for the number of retention days. If the number of retention days is too large, reduce it.

IOA794E AT LEAST ONE INPUT VALUE HAS TO BE ENTERED

**Explanation:** No values are specified.

**Corrective Action:** Specify at least one value.

IOA795E RESPONSE SHOULD BE Y OR N

**Explanation:** The specified value is neither Y (Yes) nor N (No).

**Corrective Action:** Specify either Y or N.

IOA796E INPUT CHANGED. CHECK AND RE-ENTER Y OR N

**Explanation:** After value was changed in the screen, there was an attempt to exit without confirmation.

**Corrective Action:** Specify Y to save the changes, or N to cancel the changes.

IOA797E INPUT IS NOT NUMERIC OR EXCEEDS - max_vol_num

**Explanation:** Either a non-numeric value for the number of volumes or a number that exceeded the maximum was specified.
Corrective Action: Specify a numeric value that does not exceed the limit.

IOA798E FIELD MUST BE NON-EMPTY AND NUMERIC ONLY
Explanation: A non-numeric value was specified or the field was left empty.
Corrective Action: Specify a numeric value only.

IOA799E BLOCK SIZE MUST BE NUMERIC AND MUST BE IN RANGE
Explanation: A non-numeric block size or a number that was outside the range was specified.
Corrective Action: Specify a numeric value that is within the specified range.

IOA79AE CANNOT CALCULATE SPACE BECAUSE OF HUGE NUMBERS
Explanation: The quantities are too large to be handled by the space calculation program.
Corrective Action: Reduce one or more quantities.

IOA79BE FIELD MUST BE NON-EMPTY AND NUMERIC ONLY
Explanation: A non-numeric value was specified or the field was left empty.
Corrective Action: Specify a numeric value only.

IOA79CE VALID VALUE FOR EXTEND IS A OR M
Explanation: A value other than A (Automatic) or M (Manual) was specified for EXTEND. Only A or M is a valid value in the EXTEND parameter.
Corrective Action: Specify either A or M for EXTEND.

IOA79DE PERCENT MUST NOT BE BLANK AND HAS TO BE NUMERIC
Explanation: No numeric value is specified for the PERCENT parameter.
Corrective Action: Specify a numeric value in the PERCENT parameter.

IOA79EE DEVICE TYPE IS NOT ONE OF 3350,3380,3390,9345
Explanation: The specified device type is not supported.
Corrective Action: Specify one of the listed device types in the DEVICE TYPE parameter.

IOA79FE VOLUME PARAMETERS INCORRECTLY ENTERED
Explanation: One or more volume parameters is specified incorrectly. One VOLUME parameter is mandatory. It must be specified in the first VOLUME field. Any additional VOLUME parameters must be specified consecutively in the subsequent fields, without leaving gaps between them.
Corrective Action: Specify the VOLUME parameters as described above.

IOA7A0E NUMBER OF BLOCKS EXCEEDED 65535. INCREASE BLOCK SIZE
Explanation: The specified number of blocks exceeds the maximum allowed.
Corrective Action: Decrease the number of blocks or enlarge the block size.

IOA7A1E INPUT MUST CONFORM TO VOLUME SERIAL NUMBER RULES

Explanation: The specified volume serial number contains an invalid character or the field was left blank.
Corrective Action: Correct the volume serial number specified for invalid characters or make sure that the field is not empty.

IOA7A2E WHEN SPECIFYING DUAL=N THIS FIELD MUST BE BLANK OR N

Explanation: DUAL=N is specified, but the field on which the cursor is positioned is neither blank nor N. When DUAL=N is specified by the user, the field in question must either be left empty, or be filled in with an N.
Corrective Action: Either blank out the field or specify N.

IOA7B0E dsn(memName) DATASET OR MEMBER NOT FOUND

Explanation: The specified member was not found in the specified library.
Corrective Action: Check the member and library name, and correct if necessary.

IOA7B1I DATA INSERTED INTO col

Explanation: This information message indicates that the data specified was successfully incorporated into the specified column.
Corrective Action: No action is required.

IOA7B2I varName IN TABLE tableName CLEARED

Explanation: This information message indicates that the specified variable in the identified table was reset as required.
Corrective Action: No action is required.

IOA7B3E RESPONSE SHOULD BE YES OR NO

Explanation: The specified value is invalid.
Corrective Action: Specify either YES or NO.

IOA7B4W NO CONFIRMATION TO OVERRIDE

Explanation: This warning message requests confirmation for copying parameter values from a previous IOA installation to a new installation. The message “Confirm erasing and replacing all entered data” appears on the screen with a default of NO to prevent accidental override of new installation values with old ones.
Corrective Action: To override the parameter values in the new installation with those of the previous installation, specify YES in the “Confirm erasing and replacing all entered data” field.
IOA7B5E NO REFERENCE INSERTED. RETURN CODE rc

Explanation: An internal error occurred. As a result no reference value was inserted into the table. In this message, rc is the return code issued by ISPF. Valid values are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Table is not open</td>
</tr>
<tr>
<td>16</td>
<td>Truncation occurred when reading a table</td>
</tr>
<tr>
<td>20</td>
<td>A severe error occurred when reading a table</td>
</tr>
<tr>
<td>24</td>
<td>Dynamic allocation of a library and member failed</td>
</tr>
</tbody>
</table>

Corrective Action: Check the return code specified in the message in ISPF documentation, and correct accordingly. Rerun the activity or step.

IOA7B6E ACTION NOT PERFORMED. RETURN CODE rc

Explanation: An internal error occurred, and as a result the requested action was not performed. In this message, rc is the return code issued by ISPF. Valid values are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Table is not open</td>
</tr>
<tr>
<td>16</td>
<td>Truncation occurred when reading a table</td>
</tr>
<tr>
<td>20</td>
<td>A severe error occurred when reading a table</td>
</tr>
<tr>
<td>24</td>
<td>Dynamic allocation of a library and member failed</td>
</tr>
</tbody>
</table>

Corrective Action: Check the return code specified in the message in ISPF documentation, and correct accordingly. Rerun the activity or step.

IOA7B7I REFERENCE AND VALUE REMAIN UNCHANGED

Explanation: This information message indicates that there is no reference data in either of the columns in the screen.

Corrective Action: No action is required.

IOA7B8I ICE TABLES REPLACED

Explanation: This information message indicates that the existing ICE tables were replaced by a new set. The values and the step status were copied from the old table to the new.
**Corrective Action:** No action is required.

**IOA7B9E MULTIPLE SELECTIONS IS NOT ALLOWED WHEN "A" IS SELECTED**

**Explanation:** You cannot select more than one row when selecting a row with "A".

**Corrective Action:** Make sure that only one row is selected. Clear all but one selected row.

**IOA7B9I tableName colName CLEARED**

**Explanation:** This information message indicates that all the values in the specified column of the ICE table were cleared in response to a clear request.

**Corrective Action:** No action is required.

**IOA7BAE THE IOA RELEASE, release, IS NOT SUPPORTED FOR ADAPTATION**

**Explanation:** The IOA release, release, is not supported for adaptation.

**Corrective Action:** Consider upgrading to IOA release release.

**IOA7BBE SAME LIBRARIES USED FOR INPUT AND OUTPUT**

**Explanation:** The same names were used for the input and output libraries.

**Corrective Action:** Change the names so that they are different.

**IOA7BCE REFERENCE LIBRARIES PREFIX MUST BE SET TO PERFORM THE ADAPTATION**

**Explanation:** The Reference Libraries Prefix is missing.

**Corrective Action:** Provide the Reference Libraries Prefix to continue with the Express Upgrade process.

**IOA7BEE REFERENCE LIBRARY CAN NOT BE EMPTY**

**Explanation:** In the environment definition panel of ICE, the user asked that the values of the referenced environment will be used in the new environment being referenced. However, the user left the References Libraries Prefix field, which points to the referenced environment, empty.

ICE displays the environment definition panel again.

**Corrective Action:** Specify a valid prefix in the References Libraries Prefix field and point to the referenced environment. Alternatively, you can set the Insert references into current values field in the panel to No. This means that the values will not be inserted in the current environment.

**IOA7E0I text**

**Explanation:** The text describes the step that was performed during the Express installation.

**Corrective Action:** No action is required.
IOA7E1E IOA: This IOA environment already exists.

**Explanation:** The given prefixes for installation, operation, SMP/E, or databases for the IOA environment already exist. The installation stops and the IOA7E0I message is displayed.

**Corrective Action:** Return to the long parameters panel and change the prefixes.

IOA7E2E product_name: The Product is already installed, please deselect it.

**Explanation:** The given prefixes for installation, operation, or databases for the product are already allocated. The installation stops and the IOA7E0I message is displayed.

**Corrective Action:** Either return to the long parameters panel and change the prefixes or deselect this product from the Products and Sizes panel.

IOA7E3E product_name: text

**Explanation:** This is a verification error. First the step where the error occurred is indicated and then the error itself is described. The installation stops.

**Corrective Action:** Fix the parameter and resume the installation.

IOA7E4E product_name: text

**Explanation:** This is an installation error. First the step where the error occurred is indicated and then the error itself is described. The installation stops.

**Corrective Action:** Analyze the problem to determine if it is a job or a process failure.

IOA7E5I The Installation ended with ==> Success

**Explanation:** The installation ended successfully.

**Corrective Action:** Proceed to the post installation steps.

IOA7U01 text

**Explanation:** The text describes an action that was performed during the Express Upgrade process.

**Corrective Action:** No action is required.

IOA7U0E Express Upgrade error message

**Explanation:** This tracking error message can contain one of the following messages:
The ExecName exec terminated with Rc Rc

The job JobName(JobId) failed. Analyze the job and, after correcting the problem, rerun the step.

The Product product has an existing prefix in the DataSetName library.

The Product product has an existing procedure in the DataSetName library.

Error at: Copy new started tasks

The Switch step has FAILED

Error at: Updating QNAMEs in repositories of new products

The FALLBACK process has FAILED

Error at: Backup the site libraries

Reference values from release prior to 6.0.00 is not supported.

Error at step analyze. Check the ICELOG and, after correcting the problem, rerun the step.

Error during LMINIT Lib Rc Rc

Failed to Save Parameters Save Product Parameters into Installation Library ended NOT-OK. Check the ICELOG and, after correcting the problem, rerun the step.

The OLD environment has at least one installed product that is missing in the NEW environment. Please refer to the Limitations in the Express Upgrade section of the Installation Guide.

ICE failed to check availability to copy stc/proc to system library. Check that the Lib library is available for processing.

The Environment Prefix Pref doesn't exist in the table DataSetName (IOAITENV)

ICE of the OLD environment is in use. Exit the ICE of the old environment and try to rerun current step of the Express Upgrade again.

The OLD environment with this ILPREFA is already being upgraded to the NEW environment EnvironmentName. The same OLD environment cannot be simultaneously upgraded to more than one NEW environment.

Error at: Adjust xxxSET members in the PROCLIB library.

Error at: Adjust started tasks in the site library.

Corrective Action: Analyze the failure, correct the cause of the problem, and then continue with the Express Upgrade process.

IOA7U0W Express Upgrade warning message

Explanation: This tracking warning message can contain one of the following messages:

- Adaptation process was canceled by the user
- Changing parameters has been canceled by the user
- Differences were found between the OLD and NEW environments. Either correct the differences and rerun the step, or confirm the differences.

Corrective Action: No action is required.
Messages IOA800 through IOA8xx
This group includes messages for the IOA (infrastructure) product.

IOA830S PASSWORD CHECK FAILED
Explanation: The CTTINIT procedure discovered an error in the Control-M/Tape password. This messages follows other messages that detail the error and password. The CTTINIT procedure stops.
Corrective Action: Check the job log of CTTINIT for previous messages that refer to this failure, and proceed accordingly.

Messages IOA900 through IOA9xx
This group includes messages for the IOA (infrastructure) product.

IOA913S OPEN OF DDNAME "SYSPRINT" FAILED
Explanation: The opening of a print file failed. Possible causes are:
- The SYSPRINT DD statement is missing.
- The data set described by the SYSPRINT DD statement cannot be accessed for sequential write.
The program stops executing.
Corrective Action: Correct the JCL and submit again.

IOA915S ERROR OPENING SYSPRINT
Explanation: An error was detected during an attempt to open the file referenced by the SYSPRINT DD statement.
The file referenced by the SYSPRINT DD statement is not opened.
Corrective Action: Check the system job log, and correct the problem accordingly. Rerun the job.

IOA946S ERROR OPENING SYSPRINT
Explanation: The IOADII utility detected an error when opening the file referenced by the SYSPRINT DD statement.
The file referenced by the SYSPRINT DD statement is not opened.
Corrective Action: Check the system job log, and correct the problem accordingly. Rerun the job.

IOA951S RELEASE OF LOG FILE NOT SUPPORTED BY THIS RELEASE OF IOA.
Explanation: Release of Log file is not supported by this release of IOA.
This could be due to one of the following:

- The release of IOA has been changed, and you are working on a file of a different release.
- Your Log file has been corrupted.

Access to the IOA Log is prevented. An “OPEN OF LOG FILE FAILED” message will appear.

**Corrective Action:** Correct the allocation of your Log file (the DALOG DD statement).

### IOA952S OPEN OF IOA LOG FILE FAILED

**Explanation:** Open of IOA Log file failed (the DALOG DD statement). Possible causes are:

- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA installation.

Termination of the requested function.

**Corrective Action:** Look on the computer log or job log SYSOUT for additional messages that clarify the reason for the failure. Then, correct the JCL for the job, or the allocations of the CLIST.

### IOA954S IOA LOG FILE - WRITE ERROR

**Explanation:** I/O error while writing to IOA Log file. Possible causes are:

- The file allocated to the DALOG DD statement is not the IOA Log file.
- Real I/O error on the Log file.

**Corrective Action:** Check the contents of the computer log for additional messages which may clarify the situation, or logon again.

### IOA957S FILE ALLOCATED TO DDNAME "ddName" IS NOT YOUR IOA LOG

**Explanation:** The data set described by the specified DD statement is not the IOA Log file of this IOA installation. It is an IOA Log file, but it is of a different QNAME. It belongs to another IOA installation.

**Corrective Action:** Correct the JCL for the job or CLIST.

### IOA958S FILE ALLOCATED TO DDNAME "ddname" IS NOT AN IOA LOG

**Explanation:** The data set described by the specified DD statement is not an IOA Log file.

**Corrective Action:** Correct the JCL for the job or CLIST.

### IOA959S IOA LOG FILE IS FORMATTED. IOABLG PROBABLY ABENDED

**Explanation:** The IOABLG program, which formats the IOA Log file, probably abended.

**Corrective Action:** Check the IOA Log format job output to see why the IOABLG program abended. Delete the file and recreate it using the INCONTROL Installation and Customization Engine (ICE).
IOA95AE UNABLE TO SYNCRONIZE THE LOG FILE

Explanation: Internal synchronization of the Log file failed, probably because another process in the same address space has been holding the Log file for a long time. A record might be missing in the IOA Log file.

The Log operation fails.

Corrective Action: Take a dump of the failing address space. When the dump completes, stop and restart it to release the internal lock. Have your system programmer call your IOA representative for assistance.

IOA960S MISSING INPUT PARAMETERS

Explanation: No input parameters were specified for utility IOADUL.

The IOADUL utility ends with a return code of 32.

Corrective Action: Rerun the IOADUL utility using valid input parameters. See the IOADUL utility in the INCONTROL for z/OS Utilities Guide for valid parameters.

IOA963S FORMATTING IOA LOG - WRITE I/O ERROR

Explanation: An I/O error occurred while formatting the IOA Log file. This error may occur when there is incompatibility between the definition of the Log file in the Installation Parameters (IOAPARM) and the JCL SPACE and DCB parameters.

The utility stops executing with a condition code of 08.

Corrective Action: Correct either the JCL or the Installation Parameters.

IOA964I FORMATTING OF IOA LOG FILE STARTED

Explanation: This information message indicates that the IOA Log file format process has started.

Corrective Action: No action is required.

IOA965I FORMATTING OF IOA LOG FILE ENDED

Explanation: This information message indicates that the IOA Log file format process has terminated normally.

Corrective Action: No action is required.

IOA966S IOA LOG FILE WAS NOT BUILT

Explanation: Formatting of the IOA Log file failed.

Corrective Action: Look in the job log or SYSPRINT for error messages that describe the type of error.

IOA9A0I action OF IOA LOG STARTED

Explanation: This information message is a normal start message of the IOACPLOG utility. IOACPLOG is used to copy the contents of the IOA Log to another IOA Log file or to a sequential file. The actions COPYTOSEQ and COPYTOLOG are currently supported.

Corrective Action: No action is required.
IOA9A1I action OF IOA LOG ENDED

**Explanation:** This information message is a normal termination message of the IOACPLOG utility. IOACPLOG is used to copy the contents of the IOA Log to another IOA Log file or to a sequential file. The actions COPYTOSEQ and COPYTOLOG are currently supported.

**Corrective Action:** No action is required.

IOA9A2S action OF IOA LOG ENDED WITH ERRORS.

**Explanation:** The IOACPLOG utility failed to copy the IOA Log file. IOACPLOG is used to copy the contents of the IOA Log to another IOA Log file or to a sequential file. The actions COPYTOSEQ and COPYTOLOG are currently supported.

The IOACPLOG utility ended with a condition code of 08 or 12.

**Corrective Action:** Check the preceding error messages in the job log or in the SYSPRINT sysout, correct the problem, and rerun the job.

Messages IOAA00 through IOAxx

This group includes messages for the IOA (infrastructure) product.

IOAA80E INVALID PARM LIST OR NO PARM LIST

**Explanation:** An invalid parameter was passed to the IOALOC program. The IOALOC program accepts either ALLOC or FREE as input parameters.

The IOALOC program stops executing.

**Corrective Action:** Supply the correct input parameter.

IOAAINI SSCT=add1,SSVT=add2,SWT=add3, SWT LENGTH=len

**Explanation:** This is one of the messages issued when either the Control-O monitor or the CMEM monitor starts, to provide information for use in case of any problem.

**Corrective Action:** No action is required.

Messages IOAB00 through IOABxx

This group includes messages for the IOA (infrastructure) product.

IOAB10E INTERNAL ERROR - INVALID TYPE

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

IOAB11E INTERNAL ERROR - PREVIOUS WORK AREAS NOT FREE

**Explanation:** An internal error occurred during the Display Type definition syntax check.
The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

**IOAB12E** ERROR TRYING TO READ FORMAT MEMBER

**Explanation:** An error occurred while reading a Display Type definition member. The required format member, $$xxx, probably does not exist in the MSG library.

The User Report List is not displayed.

**Corrective Action:** Make sure that the required format member, $$xxx, exists in the MSG library.

**IOAB13E** INTERNAL ERROR - MEMORY ALLOCATION FAILED

**Explanation:** An internal error occurred during the Display Type definition syntax check.

The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

**IOAB14I** INVALID DEFINITION OF "ID=" KEYWORD

**Explanation:** This information message indicates that an invalid value for the ID keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. For more information, see the *INCONTROL for z/OS Installation Guide*.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the invalid value for the ID keyword in the Display Type definition member.

**IOAB15I** INVALID DEFINITION OF "LTH=" KEYWORD

**Explanation:** This information message indicates that an invalid value for the LTH keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. For more information, see the *INCONTROL for z/OS Installation Guide*.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the invalid value for the LTH keyword in the Display Type definition member.

**IOAB16I** VALUE OF "LTH=" KEYWORD NOT NUMERIC

**Explanation:** This information message indicates that a non-numeric value for the LTH keyword was specified in the Display Type definitions member. The LTH keyword must contain numeric characters only and a non-numeric character was detected. For more information, see the *INCONTROL for z/OS Installation Guide*.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the invalid value for the LTH keyword in the Display Type definition member to a numeric value.
IOAB17E INTERNAL ERROR (FFU)

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

IOAB18E INTERNAL ERROR IN GETSTL

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

IOAB19I INVALID DEFINITION OF "LINES=" KEYWORD

**Explanation:** This information message indicates that an invalid value for the LINES keyword was specified in the Display Type definition member. The lines before this error message contain the problematic entry. Check the keyword in these lines for the invalid value. For more information, see the INCONTROL for z/OS Installation Guide.

The display type definitions syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the invalid value for the LINES keyword in the Display Type definition member.

IOAB1AI VALUE OF "LINES=" KEYWORD NOT NUMERIC

**Explanation:** A non-numeric value for the LINES keyword was detected in the Display Type definitions member. The LINES keyword must contain numeric characters only and a non-numeric character was detected. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the invalid value for the LINES keyword in the Display Type definition member to a numeric value.

IOAB1BI VALUE OF "LTH=" KEYWORD NOT 80 OR 132

**Explanation:** An invalid value for the LTH keyword was specified in the Display Type definition member. Valid values for the LTH keyword are 80 or 132. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the invalid value for the LTH keyword in the Display Type definition member to 80 or 132.

IOAB1CI THIS FORMAT ALREADY EXISTS

**Explanation:** The specified type ID, TYPE and CLASS combination was previously defined on a @STYLE line in the Display Type definition member. A Display Type ID cannot be defined twice. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE line.
**Corrective Action:** Change one of the Display Type IDs, or delete one of the Display Types.

**IOAB1DE INTERNAL ERROR IN GETHDR**

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

**IOAB1EI NO CURRENT VALID STYLE**

**Explanation:** A @HEADER line was specified, but no valid preceding @STYLE exists. A @STYLE line must exist when a @HEADER line is specified. See the INCONTROL for z/OS Installation Guide for more information.

The display type definition syntax check bypasses the current @HEADER line.

**Corrective Action:** Add the @STYLE keyword or delete the @HEADER keyword in the Display Type definition member.

**IOAB1FE INTERNAL ERROR IN GETLNE**

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

**IOAB20I INVALID VALUE FOR "NAME=" KEYWORD**

**Explanation:** An invalid value for the NAME keyword was detected in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for information.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the invalid value for the NAME keyword in the Display Type definition member.

**IOAB21I FIELD CANNOT BE "DATA" AND "NAME"**

**Explanation:** Both DATA and NAME keywords were specified on a @FIELD line, in the Display Type definition member. DATA and NAME keywords cannot be specified on the same @FIELD line. See the INCONTROL for z/OS Installation Guide for information.

The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Delete either the DATA or the NAME keyword from the @FIELD line in the Display Type definition member.

**IOAB22I FIELD IS NOT "DATA" OR "NAME"**

**Explanation:** Neither DATA nor NAME keywords were specified on a @FIELD line, in the Display Type definition member. Either DATA or NAME keyword must be specified on a @FIELD line. See the INCONTROL for z/OS Installation Guide for more information.
The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Add either the DATA or the NAME keyword to the @FIELD line in the Display Type definition member.

IOAB23E INTERNAL ERROR - ALLOCATION FAILED FOR "DATA"

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

IOAB24E INTERNAL ERROR IN GETFLD

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

IOAB25E INTERNAL ERROR - ALLOCATION FAILED FOR "DFLT"

**Explanation:** An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

IOAB26I NO CURRENT VALID LINE

**Explanation:** A @FIELD line was specified, but no valid preceding @LINE exists. When a @FIELD line is specified, a @LINE must precede it. See the INCONTROL for z/OS Installation Guide for more information. The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Add a @LINE after the @FIELD line or delete the @FIELD line in the Display Type definition member.

IOAB27I FIELD IS NOT EDITABLE

**Explanation:** The EDIT=YES keyword was specified on a field that is not editable in the Display Type definition member. See the INCONTROL for z/OS Installation Guide for more information. The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Delete the EDIT=YES keyword for this field in the Display Type definition member.

IOAB28I FIELD IS NOT DEFAULT-EDITABLE

**Explanation:** The DFLTEDIT=YES keyword was specified on a field that is not editable in the Display Type definition member. See the INCONTROL for z/OS Installation Guide for more information. The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Delete the DFLTEDIT=YES keyword for this field in the Display Type definition member.
IOAB29I VALUE OF "LTH=" KEYWORD IS AT LEAST 2

**Explanation:** An invalid value for the LTH keyword was detected in the Display Type definition member. The value for the LTH keyword should be at least 2, to accommodate the attribute byte and a data byte. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Correct the LTH keyword value to at least 2 in the Display Type definition member.

IOAB2AI FIELD STARTS AFTER END OF LINE

**Explanation:** The current field starts after the logical end of line. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Correct the current field start in the Display Type definition member.

IOAB2BI FIELD ENDS AFTER END OF LINE

**Explanation:** The current field ends after the logical end of line. See the section on customizing IOA display format members in the *INCONTROL for z/OS Administrator Guide*.

The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Correct the current field end in the Display Type definition member.

IOAB2CI INVALID DEFINITION OF "DFLT=" KEYWORD

**Explanation:** An invalid value for the DFLT keyword was detected in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Correct the invalid value for the DFLT keyword in the Display Type definition member.

IOAB2DI INVALID DEFINITION OF "DATA=" KEYWORD

**Explanation:** An invalid value for the DATA keyword was detected in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Correct the invalid value for the DATA keyword in the Display Type definition member.

IOAB2EI INVALID DEFINITION OF "NAME=" KEYWORD

**Explanation:** An invalid value for the NAME keyword was detected in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @FIELD line.
Corrective Action: Correct the invalid value for the NAME keyword in the Display Type definition member.

IOAB30I INVALID DEFINITION OF "DLM=" KEYWORD

Explanation: An invalid value for the DLM keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @DLM line.

Corrective Action: Correct the invalid value for the DLM keyword in the Display Type definition member.

IOAB31I INVALID DEFINITION OF "COLOR=/COLORA=" KEYWORD

Explanation: An invalid value for the COLOR or COLORA keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE, @LINE or @FIELD line.

Corrective Action: Correct the invalid value specified for the COLOR or COLORA keyword in the Display Type definition member.

IOAB32I INVALID VALUE FOR "COLOR=/COLORA=" KEYWORD

Explanation: An invalid value for the COLOR or COLORA keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE, @LINE or @FIELD line.

Corrective Action: Correct the invalid value specified for the COLOR or COLORA keyword in the Display Type definition member.

IOAB33I INVALID DEFINITION OF "HIGH=/HIGHA=" KEYWORD

Explanation: An invalid value for the HIGH or HIGHA keyword was specified in the Display Type definition member. The lines preceding this message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE, @LINE or @FIELD line.

Corrective Action: Correct the invalid value specified for the HIGH or HIGHA keyword in the Display Type definition member.

IOAB34I INVALID VALUE FOR "HIGH=/HIGHA=" KEYWORD

Explanation: An invalid value for the HIGH or HIGHA keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE, @LINE or @FIELD line.
**Corrective Action:** Correct the invalid value specified for the HIGH or HIGHA keyword in the Display Type definition member.

**IOAB35I FORMAT CANNOT HAVE A BLANK ID**

**Explanation:** The specified type ID has a blank value. The Display Type ID cannot be defined with a blank value. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

**Corrective Action:** Enter a Display Type ID value other than blank.

**IOAB36I INVALID DEFINITION OF "PREF=" KEYWORD**

**Explanation:** An invalid value for the PREF keyword was specified in the Display Type definition member. The lines before this message contain the problematic entry. Check the keyword in these lines for the invalid value. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Correct the invalid value for the PREF keyword in the Display Type definition member.

**IOAB37I INTERNAL ERROR - ALLOCATION FAILED FOR "PREF"**

**Explanation:** An internal error occurred during the Display Type definition syntax check.

The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

**IOAB38I PREFIX LENGTH TOO LONG - MUST LEAVE ROOM FOR DATA**

**Explanation:** The specified PREF value is too long. The prefix length should be short enough to accommodate at least one data character in the field. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

**Corrective Action:** Shorten the PREF value to accommodate for at least one data character in the field in the Display Type definition member.

**IOAB39E LINE TYPE BLANK IS NOT AFTER CONTINUATION MARK**

**Explanation:** An internal error occurred during the Display Type definition syntax check.

The User Report List is not displayed.

**Corrective Action:** Notify BMC Software Customer Support.

**IOAB3AE INVALID LINE TYPE**

**Explanation:** An invalid line type was specified in the Display Type definition member. In the Display Type definition member, the line type is determined according to the first ten characters of the line. See the *INCONTROL for z/OS Installation Guide* for more information.

The Display Type definition syntax check stops. The User Report List is not displayed.
Corrective Action: Correct the invalid line type.

IOAB3BE CONTINUATION LINE SHOULD BE WITH BLANK TYPE
Explanation: An internal error occurred during the Display Type definition syntax check. The User Report List is not displayed.
Corrective Action: Notify BMC Software Customer Support.

IOAB3CI NUMBER OF LINES IN FORMAT EXCEEDS MAXIMUM. LINE IGNORED
Explanation: Too many lines were specified for the current @STYLE keyword. The number of lines specified for the @STYLE keyword exceeded the maximum number of lines that can be defined. See the INCONTROL for z/OS Installation Guide for more information.
Corrective Action: Correct the number of lines in the @STYLE keyword in the Display Type definition member to a value that does not exceed the allowable maximum.

IOAB50I INVALID DEFINITION OF "IDLIKE=" KEYWORD
Explanation: An invalid value for the IDLIKE keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.
Corrective Action: Correct the invalid value for the IDLIKE keyword in the Display Type definition member.

IOAB51I INVALID DEFINITION OF "TYPELIKE=" KEYWORD
Explanation: An invalid value for the TYPELIKE keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.
Corrective Action: Correct the invalid value for the TYPELIKE keyword in the Display Type definition member.

IOAB52I INVALID DEFINITION OF "CLASSLIKE=" KEYWORD
Explanation: An invalid value for the CLASSLIKE keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.
Corrective Action: Correct the invalid value for the CLASSLIKE keyword in the Display Type definition member.
IOAB53I "IDLIKE="", "TYPELIKE="" AND "CLASSLIKE="" MUST ALL BE PRESENT

Explanation: One of the keywords IDLIKE, TYPELIKE or CLASSLIKE, was specified and at least one of the other keywords was not present. When specifying one of the keywords IDLIKE, TYPELIKE or CLASSLIKE, the other two keywords must also be present. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

Corrective Action: Add the other missing keywords to the Display Type definition member.

IOAB54I INVALID DEFINITION OF "EDIT=" KEYWORD

Explanation: An invalid value for the EDIT keyword was specified in the Display Type definition member. There is an invalid value specified for the EDIT keyword in the Display Type definition member. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the invalid value for the EDIT keyword in the Display Type definition member.

IOAB55I INVALID VALUE FOR "EDIT=" KEYWORD. SHOULD BE YES/NO

Explanation: An invalid value for the EDIT keyword was specified in the Display Type definition member. Valid values for the EDIT keyword are Y, YES, N, or NO. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the EDIT keyword value to Y, YES, N, or NO in the Display Type definition member.

IOAB56I INVALID DEFINITION OF "DEFAULTEDIT=" KEYWORD

Explanation: An invalid value for the DEFAULTEDIT keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the invalid value for the DEFAULTEDIT keyword in the Display Type definition member.

IOAB57I INVALID VALUE FOR "DEFAULTEDIT=" KEYWORD. SHOULD BE YES/NO

Explanation: An invalid value for the DEFAULTEDIT keyword was specified in the Display Type definition member. Valid values for the DEFAULTEDIT keyword are Y, YES, N, or NO. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the DEFAULTEDIT keyword value to Y, YES, N, or NO in the Display Type definition member.
IOAB58I INVALID DEFINITION OF "AFORCE=" KEYWORD

Explanation: An invalid value for the AFORCE keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the invalid value for the AFORCE keyword in the Display Type definition member.

IOAB59I INVALID VALUE FOR "AFORCE=" KEYWORD. SHOULD BE YES/NO

Explanation: An invalid value for the AFORCE keyword was specified in the Display Type definition member. Valid values for the AFORCE keyword are Y, YES, N, or NO. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the AFORCE keyword value to Y, YES, N, or NO in the Display Type definition member.

IOAB5AI INVALID DEFINITION OF "LONG=" KEYWORD

Explanation: An invalid value for the LONG keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

Corrective Action: Correct the invalid value for the LONG keyword in the Display Type definition member.

IOAB5BI INVALID VALUE FOR "LONG=" KEYWORD

Explanation: An invalid value for the LONG keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

Corrective Action: Correct the invalid value for the LONG keyword in the Display Type definition member.

IOAB5CI INVALID DEFINITION OF "INTENS=" KEYWORD

Explanation: An invalid value for the INTENS keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE, @LINE or @FIELD line.

Corrective Action: Correct the invalid value specified for the INTENS keyword in the Display Type definition member.
IOAB5DI  INVALID VALUE FOR "INTENS=" KEYWORD. SHOULD BE YES/NO

Explanation: An invalid value for the INTENS keyword was specified in the Display Type definition member. Valid values for the INTENS keyword are Y, YES, N, or NO. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE, @LINE or @FIELD line.

Corrective Action: Correct the INTENS keyword value to Y, YES, N, or NO in the Display Type definition member.

IOAB5EI  INVALID DEFINITION OF "KANJI=" KEYWORD

Explanation: An invalid value for the KANJI keyword was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the invalid value for the KANJI keyword in the Display Type definition member.

IOAB5FI  INVALID VALUE FOR "KANJI=" KEYWORD. SHOULD BE YES/NO

Explanation: An invalid value for the KANJI keyword was specified in the Display Type definition member. Valid values for the KANJI keyword member are Y (Yes) and N (No).

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the KANJI keyword value to either Y or N in the Display Type definition member.

IOAB60I  INVALID DEFINITION OF "SHOWBLINE=" KEYWORD

Explanation: An invalid value for keyword SHOWBLINE was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the invalid value for the SHOWBLINE keyword in the Display Type definition member.

IOAB61I  INVALID VALUE FOR "SHOWBLINE=" KEYWORD

Explanation: An invalid value for keyword SHOWBLINE was specified in the Display Type definition member. Valid values for the SHOWBLINE keyword member are Y (Yes) and N (No).

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the SHOWBLINE keyword value to either Y or N in the Display Type definition member.
IOAB62I INVALID DEFINITION OF "OFFSET=" KEYWORD

Explanation: An invalid value for keyword OFFSET was specified in the Display Type definition member. The lines preceding this error message contain the problematic entry. Check the keyword in these lines for the invalid value. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the invalid value for the OFFSET keyword in the Display Type definition member.

IOAB63I VALUE OF "OFFSET=" KEYWORD NOT NUMERIC

Explanation: A non-numeric value for keyword OFFSET was detected in the Display Type definition member. The OFFSET keyword must contain numeric characters only and a non-numeric character was detected. See the INCONTROL for z/OS Installation Guide for more information.

The Display Type definition syntax check bypasses the current @STYLE line.

Corrective Action: Correct the invalid value for the OFFSET keyword in the Display Type definition member to a numeric value.

IOAB64I OFFSET VALUE IS OUT OF BOUNDS

Explanation: The value specified for the OFFSET keyword exceeds the maximum length of the current field. The value of the OFFSET keyword should be less than the length of the field.

The Display Type definition syntax check bypasses the current @FIELD line.

Corrective Action: Correct the invalid value for the current field's OFFSET keyword in the Display Type definition member.

Messages IOAC00 through IOACxx

This group includes messages for the IOA (infrastructure) product.

IOAC01I ENTER "M", "C", "CC" OR "MM" LINE COMMANDS

Explanation: An A or B location command was specified without a corresponding copy or move type command when using the IOA Edit Environment in a definition screen. A copy or move command must accompany each location command.

Corrective Action: Specify a copy or move type command.

IOAC02I ENTER "A" OR "B" LINE COMMANDS

Explanation: A copy or move type command was specified without a corresponding A or B location command when using the IOA Edit Environment in a definition screen. A location command must be specified in conjunction with copy or move commands.

Corrective Action: Specify an A or B location command.
IOAC03I ENTER A MATCHING "xx" COMMAND TO COMPLETE THE BLOCK COMMAND PAIR

**Explanation:** An unmatched CC, MM, RR or DD command was specified when using the IOA Edit Environment in a definition screen. To perform multiple line functions, the required lines block must be delimited by two Multiple Lines Editing commands CC, MM, RR or DD.

**Corrective Action:** Specify a matching CC, MM, RR or DD command.

IOAC04E INVALID INPUT PARAMETERS FOR IOAEDIT ROUTINE

**Explanation:** An internal IOA error occurred when using the IOA Edit Environment in a definition screen.

**Corrective Action:** Contact BMC Software Customer Support.

IOAC05E "xx" IS NOT A VALID LINE COMMAND. CORRECT IT OR BLANK IT OUT.

**Explanation:** An invalid Line Editing command was specified when using the IOA Edit Environment in a definition screen.

**Corrective Action:** Enter a valid Line Editing command.

IOAC06E "xx" COMMAND CONFLICTS WITH THE PRIOR SPECIFICATION. DELETE ONE.

**Explanation:** When using the IOA Edit Environment in a definition screen, a Line Editing command was specified that conflicts with a previously specified Line Editing command.

**Corrective Action:** Remove the conflicting specification.

IOAC07E INVALID RETURN CODE FROM IOAEDIT ROUTINE

**Explanation:** An internal IOA error occurred when using the IOA Edit Environment in a definition screen.

**Corrective Action:** Contact BMC Software Customer Support.

IOAC08E ENTER "xx" TO COMPLETE A BLOCK PAIR BEFORE ENTERING OTHER COMMANDS

**Explanation:** An A or B location command was specified within a lines block delimited by Multiple Lines Editing commands CC, MM, RR or DD, when using the IOA Edit Environment in a definition screen. A location command may not be specified within a multiple lines block.

**Corrective Action:** Remove the conflicting specification.

IOAC09E INTERNAL ERROR IN IOAEDIT ROUTINE

**Explanation:** An internal IOA error occurred when using the IOA Edit Environment in a definition screen.

**Corrective Action:** Contact BMC Software Customer Support.
IOAC11E REQUESTED EDIT FUNCTION NOT VALID FOR THIS LINE

Explanation: When using the IOA Edit Environment in a definition screen, a Line Editing command was specified which, if executed, would result in an invalid definition. When a Line Editing command is entered, Automatic Syntax Checking is performed to ensure that the definition remain syntactically correct after editing.

The requested edit action is not performed.

Corrective Action: Enter a valid Line Editing command.

IOAC12E COMMAND NOT SUPPORTED YET

Explanation: When using the IOA Edit Environment in a definition screen, a Line Editing command was specified which is not supported in the current IOA release.

Corrective Action: Enter a valid Line Editing command.

IOAC13E INSUFFICIENT MEMORY FOR EDIT MODE

Explanation: The EDIT command was entered on a definition screen in order to access the IOA Edit Environment, but insufficient storage was available.

Corrective Action: Suggested actions:
- Log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, exit from some of them using the END command.

IOAC21E KANJI IS NOT ALLOWED IN THIS FIELD

Explanation: User-specified KANJI symbols, which use double bytes, were specified in a field which must contain single bytes only. Only certain fields support double-byte specification.

Corrective Action: Remove the double bytes from the field.

IOAC39I SECURITY FOR product IS {ACTIVE | INACTIVE}

Explanation: This information message gives the security status (either ACTIVE or INACTIVE) for a specific product.

In this message, product is IOA, Control-M, Control-D, Control-O, Control-M/Tape, or Control-M/Analyzer.

Corrective Action: No action is required.

Messages IOAD00 through IOADxx

This group includes messages for the IOA (infrastructure) product.

IOAD01I EXTERNAL TRACE LEVELS SET AS FOLLOWS:

Explanation: This information message indicates that either a TRACE modify command was issued or a TRACE request was received from a DATRCIN/DATRCBF input data stream for external trace, and the trace parameters are successfully processed. It is a header for subsequent IOAD02I messages.
**Corrective Action:** No action is required.

**IOAD02I lvl1[:lvl2] - TURNED status**

**Explanation:** This information message follows messages IOAD01I (or IOAT0CI followed by IOAT0DI) and indicates the specific trace level or number of levels following one after another that are set to either ON or OFF status. Sometimes, more than one IOAD02I messages are issued.

The variables in this message are:

- `lvl1` - a specific trace level that is set to status `status`. In cases when `lvl2` also appears in a message, it is a starting trace level set to status `status`.

- `lvl2` - the string `lvl2` may or may not appear in a message. In cases when `lvl2` also appears in a message, `lvl1` and `lvl2` indicate an interval of trace levels from `lvl1` through `lvl2` that is set to status `status`.

- `status` - may be either ON or OFF:
  - ON--trace was activated
  - OFF--trace was deactivated

**Corrective Action:** No action is required.

**IOAD03I THE FOLLOWING LEVELS ARE SET FOR xtrace :**

**Explanation:** `xtrace` can equal EXTERNAL TRACE or TRACE BUFFER: `bufid`. This message is issued as a result of command TRACE=SHOW or TRACE=DISP. It is a header for subsequent IOAD04I messages.

**Corrective Action:** No action is required.

**IOAD04I lvl1:lvl2 - status**

**Explanation:** This information message follows messages IOAD03I and indicates specific trace level or number of levels following one after another that are in either ON or OFF status.

The variables in this message are:

- `lvl1` - a specific trace level that is in status `status`. In cases when `lvl2` also appears in a message, its starting trace level is set to status `status`.

- `lvl2` - the string `lvl2` may or may not appear in a message. In cases when `lvl2` also appears in a message, `lvl1` and `lvl2` indicate an interval of trace levels from `lvl1` through `lvl2` that is set to status `status`.

- `status` - may be either ON or OFF.

Several IOAD04I messages may be issued for a single IOAD03I message.

**Corrective Action:** No action is required.
IOAD45E AT LEAST ONE VALID COND MUST BE SPECIFIED IN THE ISCPARM MEMBER

**Explanation:** No conditions to be passed to the other CPU were specified in the ISCPARM member allocated to one of the Control-M monitors. The DAI SCPRM DD statement should point to a library containing the ISCPARM member. This member should contain at least one COND= cond statement, where cond is a condition name up to 20 characters. Masking characters * and ? are allowed. Only these conditions are passed to the other CPU.

CTMISR routine returns a return code of 24 to the calling IOA Exit 7. No conditions are passed to the other CPU.

**Corrective Action:** Add at least one COND= cond statement in the ISCPARM member and then shut down and restart the monitor. COND=* is valid for passing all the conditions.

IOAD46S CTMBLT ENDED WITH ERRORS

**Explanation:** The CTMBLT utility ended due to errors. CTMBLT creates Control-M scheduling tables. If CTMBLT ended with errors, messages in the Error Messages file DAPRINT DD statement explain the reasons. The Error Table Definitions file DATABERR DD statement contains the input definition statements that have the errors.

The utility ends with a non-zero return code.

**Corrective Action:** Correct all problems, and rerun the job.

IOAD48I CTMBLT ENDED OK

**Explanation:** This information message indicates that the CTMBLT utility ended normally. The CTMBLT utility creates Control-M scheduling tables.

**Corrective Action:** No action is required.

IOAD90E INVALID PARM WAS PASSED TO IOALLOC

**Explanation:** Invalid parameters were passed to load the IOALLOC module.

The IOA session is ended.

**Corrective Action:** No action is required.

IOAD91E UNABLE TO OBTAIN ENQ FOR IOALLOC

**Explanation:** The IOALLOC module was unable to obtain an exclusive lock for processing.

The IOA session is ended.

**Corrective Action:** No action is required.

IOAD92E DAPARM DD STATEMENT MISSING

**Explanation:** The IOALLOC module is unable to continue its processing because the DAPARM DD statement is missing.

The IOA session is ended.

**Corrective Action:** No action is required.
IOAD93E GETMAIN FAILED, INSUFFICIENT STORAGE

**Explanation:** The IOALLOC module is unable to continue its processing because of a storage shortage. The IOA session is ended.

**Corrective Action:** No action is required.

IOAD94E IOALLOC BUFFERS ARE EXHAUSTED

**Explanation:** The IOALLOC module is unable to continue its processing because of a storage shortage. The IOA session is ended.

**Corrective Action:** No action is required.

IOAD95E IOAPRS INITIALIZATION FAILED

**Explanation:** The IOALLOC module is unable to continue its processing because the initialization of IOAPRS module failed. The IOA session is ended.

**Corrective Action:** No action is required.

IOAD96E PARSE ERROR OR MANDATORY PARAMETER IS MISSING, LINE lineNum MEMBER memName

**Explanation:** The IOALLOC module is unable to continue its processing because there is an incorrect member memName in line lineNum. The IOA session is ended.

**Corrective Action:** No action is required.

IOAD97E PARSING ERROR IN LINE : num MEMBER : memName

**Explanation:** The IOALLOC module is unable to continue its processing because there is an incorrect member memName in line lineNum. The IOA session is ended.

**Corrective Action:** No action is required.

IOAD98E EITHER DDNAME OR DSNAME WAS NOT SUPPLIED FOR KEY keyName

**Explanation:** The IOALLOC module is unable to continue its processing because of an incorrect key. The IOA session is ended.

**Corrective Action:** No action is required.

IOAD99E UNABLE TO CREATE TOKEN

**Explanation:** The IOALLOC module is unable to continue its processing because the creation of a token failed.
The IOA session is ended.

**Corrective Action:** No action is required.

**IOAD9AE** INVALID RECORD FOUND IN ALC MEMBER *memName* - LINE *lineNum*

**Explanation:** The IOALLOC module is unable to continue its processing because of an incorrect member *memName* in line *lineNum*.

The IOA session is ended.

**Corrective Action:** No action is required.

**IOAD9BE** REQUESTED KEY *keyName* WAS NOT FOUND IN IOADSN/IOADSNL

**Explanation:** The IOALLOC module is unable to continue its processing because of a missing key in the IOADSN or IOADSNL members.

The IOA session is ended.

**Corrective Action:** No action is required.

**IOAD9CE** ALLOCATION FAILED FOR DDNAME : *ddName*

**Explanation:** The IOALLOC module is unable to continue its processing because the allocation of DDNAME *ddName* failed.

The IOA session is ended.

**Corrective Action:** No action is required.

**IOAD9DE** DD "DAALOCIN" IS MISSING OR CONTAINS A NON PDS DATASET

**Explanation:** The IOALLOC module is unable to continue its processing because the allocation of a DD NAME failed.

The IOA session is ended.

**Corrective Action:** No action is required.

**IOAD9FE** MEMBER *memName* WAS NOT FOUND IN THE "DAPARM" DD STATEMENT CONCATENATION

**Explanation:** The IOALLOC module is unable to continue its processing because the *memName* member is missing in the DAPARM DD concatenation.

The IOA session is ended.

**Corrective Action:** No action is required.
IOADB1E PARAMETER parm WAS NOT FOUND BY IOADEFP (CALLER: progName)

**Explanation:** The progName program failed to find the parm parameter.

The action fails. Additional error messages follow.

**Corrective Action:** Make sure that:
- The DAPARM dd statement points to the correct IOA.PARM library.
- The parm parameter is defined correctly in the DEFPARM member in IOA PARM.

IOADB2E IOADEFP FOR parm FAILED WITH RC=rc (CALLER: progName MCT: address)

**Explanation:** The IOADEFP service failed when it was requested to retrieve the value of the parm DEFPARM parameter.

The variables in this message are:
- parm - the name of the DEFPARM parameter
- rc - the return code
- progName - the name of the calling program
- address - the address of the IOA main control block

The action fails. Additional error messages follow.

**Corrective Action:** Contact BMC Software Customer Support for assistance.

IOADJ1E COMMAND IS NOT RECOGNIZED

**Explanation:** An invalid line command was issued.

**Corrective Action:** Correct the command.

IOADJ2E COMMAND CONFLICT

**Explanation:** A conflicting line command was issued. For example, a block was marked for copying, and an M (Move) command was then issued.

The system waits for the command to be corrected.

**Corrective Action:** Erase the conflicting line command.

IOADJ3E UNABLE TO OBTAIN ENOUGH STORAGE FOR EDITING THE MEMBER

**Explanation:** There is insufficient storage available to edit the requested member.

Access is denied.

**Corrective Action:** Contact your INCONTROL administrator.
IOADJ 4I MEMBER SAVED

**Explanation:** This information message is issued when a member has been saved.

**Corrective Action:** No action is required.

IOADJ 5I MEMBER NOT SAVED

**Explanation:** This information message is issued when the user exits the EDIT screen without editing the member.

**Corrective Action:** No action is required.

IOADJ 6E MEMBER NAME HAS NOT BEEN SUPPLIED

**Explanation:** An edit command was issued, but the name of the member to be edited was not supplied. Access is denied.

**Corrective Action:** Supply a member name.

IOADJ 7E DSNAME HAS NOT BEEN SUPPLIED OR IS NOT ALLOCATED

**Explanation:** The library name was not supplied. Access is denied.

**Corrective Action:** Supply a library name.

IOADJ 8E BLOCK COMMAND INCOMPLETE

**Explanation:** In a block command (CC, MM, RR, DD), only one line was marked. Two lines must be marked.

The system waits for the command to be corrected.

**Corrective Action:** Complete the block definition.

IOADJ 9E COPY/MOVE IS PENDING

**Explanation:** A block copy or move command was issued with a line or block marked, but with no target line specified.

The system waits for the command to be corrected.

**Corrective Action:** Identify the target line, using the command A (After) or B (Before).

IOADJ AS INTERNAL ERROR

**Explanation:** An internal error has occurred. Access is denied.

**Corrective Action:** Contact BMC Software Customer Support.

IOADJ BI MEMBER NOT COPIED

**Explanation:** This information message is issued when a request to copy a member is cancelled.
**Corrective Action:** No action is required.

**IOADJCE ACCESS DENIED TO THE REQUESTED LIBRARY AND/OR MEMBER**

**Explanation:** A request was made to access a member, but the user is not authorized to access the member.

Access is denied.

**Corrective Action:** If you consider that you ought to be authorized to access the library or member, contact your INCONTROL security administrator.

**IOADJDE WRONG PARAMETERS**

**Explanation:** An internal error has occurred.

Access is denied.

**Corrective Action:** Contact BMC Software Customer Support.

**IOADJEE NUMBER IS NOT ALLOWED**

**Explanation:** An attempt was made to type numbers in a line command in which numbers are not allowed.

The system waits for the line command to be corrected.

**Corrective Action:** Remove the numbers from the line command.

**IOADJFE CONFLICTING NUMBERS**

**Explanation:** A block command was issued, but with different repetition, for example, RR4 and RR5.

The system waits for the block command to be corrected.

**Corrective Action:** Correct the block command so as to specify the same repetition.

**IOADJGE THE REQUESTED MEMBER IS IN USE BY ANOTHER USER**

**Explanation:** The user tried to edit a member, but that member is held by another user.

Access is denied.

**Corrective Action:** Try again later. If the problem persists, try to identify the user holding the member.

**Messages IOAE00 through IOAExx**

This group includes messages for the IOA (infrastructure) product.

**IOAE00E OPTIONS "S", "I", "J", "B", "F/O" AND "D" CANNOT BE MIXED**

**Explanation:** The options line commands S, I, J, B, F/O, and D cannot be requested simultaneously. Only one option type can be selected at a time.

None of the options selected is performed.

**Corrective Action:** Select options one at a time.
IOAE01E OPTIONS "S", "I", "J", "B" AND "G" CANNOT APPEAR ON MULTIPLE LINES

Explanation: The options line commands S, I, J, B, and G cannot be selected simultaneously on multiple lines. Only one of the options can be selected at a time.

None of the options selected is performed.

Corrective Action: Select the options one at a time.

IOAE02I FORCED BROWSE AS TABLE IN USE BY ANOTHER USER

Explanation: There was an attempt to select a table that is in use by another user. As a result, access is automatically given to the table in Browse mode only. No jobs may be added or deleted, and no changes may be made to existing jobs, when a table is accessed in Browse mode.

The Job List screen is displayed in Browse mode.

Corrective Action: If the required action cannot be performed when the table is in Browse mode, exit, and try again later. If required, contact your INCONTROL administrator to modify your User Profile definition to specify that the Table List screen remains displayed when an attempt is made to select a table that is in use.

IOAE03E OPTIONS "D" AND "I" ARE INVALID UNDER BROWSE

Explanation: An invalid request was specified while accessing a table in Browse mode. The D (Delete) and I (Insert) options are not valid when a table is accessed in Browse mode. A list of options valid in Browse mode is at the bottom of the screen.

The requested option is not performed.

Corrective Action: In order to delete or insert entries, exit the Job List screen and re-enter by specifying the S (Select) option.

IOAE04E FIELD MUST BE BLANK, OR NUMERIC WITH LEADING ZEROES

Explanation: An invalid value was specified for the field. This field must be blank (in some cases) or must contain a numeric value that includes leading zeroes.

No action is taken until a valid value is specified in the field, or until the screen is reset.

Corrective Action: Enter a valid value in the field, or reset the screen (if possible).

IOAE05E INVALID OPTION (TRY "Y", "N" OR BLANK)

Explanation: A value other than Y, N or blank was specified in a Yes/No field.

No action is taken until a valid value is specified in the field, or until the screen is reset or cancelled.

Corrective Action: Specify Y, N or blank in the field, or reset or cancel the screen, if possible.

IOAE06S ERROR WHILE PREPARING FORMATS

Explanation: Syntax errors were detected in the Display Type definition member. The Display Type definition member was loaded and analyzed and syntax errors were detected. Specific errors were previously displayed with the erroneous source lines.
The panel is not displayed.

**Corrective Action:** Correct the Display Type definition errors in the $$XXX member in the IOA MSG library and try to re-enter.

**IOAE07S** INTERNAL ERROR IN CTMTJOB RC=rc

**Explanation:** An internal error occurred while attempting to display the error messages that resulted from the syntax check of the Display Type definitions.

The error messages are not displayed.

**Corrective Action:** Have your INCONTROL administrator notify BMC Software Customer Support.

**IOAE08E** "OPT" FIELD MUST EXIST IN FORMAT

**Explanation:** An attempt was made to specify an option, for example, Insert, Update, and the like. However, the OPTION field is not present in the current Display Type. The OPTION field must be defined in a Display Type in order to specify a required operation option.

No operations are performed.

**Corrective Action:** Add the OPTION field to the Display Type.

**IOAE09E** INVALID OPTION

**Explanation:** Invalid option specified in the field.

**Corrective Action:** Correct the option, and try again.

**IOAE0AE** USER NOT AUTHORIZED

**Explanation:** The function requested is not authorized for the user. The message is issued by the IOA security mechanism.

**Corrective Action:** Check with your system security administrator.

**IOAE0CE** INTERNAL ERROR WHILE SETTING HEADER RC=rc

**Explanation:** An internal error occurred while attempting to place the Display Type header in the screen.

The screen is not displayed.

**Corrective Action:** Have your INCONTROL administrator notify BMC Software Customer Support.

**IOAE0DE** YOU MUST GIVE A ONE LETTER DISPLAY TYPE NAME

**Explanation:** No valid Display Type code was specified when entering the DISPLAY command. The DISPLAY command requires a one letter Display Type parameter. This parameter must indicate an existing Display Type.

The current Display Type is not changed.

**Corrective Action:** Specify a valid Display Type with the DISPLAY command.
IOAE0EE DISPLAY TYPE NAME SHOULD BE ONE LETTER ONLY

Explanation: More than one letter was specified for the Display Type code when entering the DISPLAY command. The DISPLAY command requires a one letter Display Type parameter. This parameter must indicate an existing Display Type.

The current Display Type is not changed.

Corrective Action: Specify a valid, one letter Display Type with the DISPLAY command.

IOAE0FE DISPLAY TYPE "X" NOT FOUND

Explanation: Display of an invalid Display Type was requested. Only Display Types that are defined in appropriate $$$xxx files in IOA MSG libraries are valid, for example, Default Display Type D.

The requested Display Type is not displayed.

Corrective Action: Specify a valid Display Type.

IOAE0GE RECORD LENGTH OF THE LIBRARY IS NOT 80

Explanation: Record length of the requested data set is not 80.

Corrective Action: Make sure you chose the correct library.

IOAE0KE ONLY ONE CALENDAR TYPE CAN BE SPECIFIED

Explanation: Both calendar types, Regular/Periodic and Rule-Based (RBC) (in screen 8), have been selected. Only one is allowed.

Corrective Action: Select one of the calendar types.

IOAE0LE SELECT CALENDAR TYPE

Explanation: Neither the Regular/Periodic nor the Rule-Based (RBC) calendar type (in screen 8) has been selected.

Corrective Action: Select either the Regular/Periodic or the Rule-Based (RBC) calendar type (in screen 8).

IOAE10E INVALID VALUE, USE "Y" OR "N"

Explanation: Invalid value specified in the field. The cursor points to the field that contains the invalid value.

Corrective Action: Select Y for yes, or N for no.

IOAE11E ONLY TRAILING BLANKS ALLOWED IN FIELD

Explanation: The field contains a leading blank, or two strings separated by blanks. Leading blanks and embedded blanks are not allowed in this field.

The cursor points to the first blank.

Corrective Action: Correct the field contents.
IOAE12E ERROR IN DEFINITION, DEFINITION SCREEN CANNOT BE BUILT

**Explanation:** The entry contains invalid data. Possible causes are:

- The entry requested does not contain definition data.
- The entry requested contains definition data but has been incorrectly modified (by means of an editor or program) and now its contents do not conform to IOA standards.

**Corrective Action:** If the contents of the entry were modified, try to restore the entry to its original state. If you cannot or if this is not the problem, have your system programmer call BMC Software Customer Support.

IOAE13S ERROR IN COMMAND MEMBER - NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Each IOA screen is controlled by an external command member that contains a list of all commands and synonyms supported under the screen. Command members reside in IOA Parameter Libraries. They should be named TscrCMD1, where scr is the screen name. The Parameters library should be allocated to the DACMDxx DD statement, where xx is the application ID. Possible causes are:

- Somebody incorrectly changed the contents of the command member.
- The DACMDxxxx DD statement is allocated to the wrong library.

For more information about Command Members, see the section on defining new application types in the IOA Installation Considerations section of the INCONTROL for z/OS Installation Guide.

The screen is locked.

**Corrective Action:** To exit, press PA1 a few times. Ask your INCONTROL administrator for assistance.

IOAE14E INVALID SCROLL AMOUNT

**Explanation:** Invalid scroll amount specified. Valid scroll amounts are: PAGE, HALF, CRSR, and MAX.

**Corrective Action:** Correct the scroll amount field.

IOAE15S INSUFFICIENT STORAGE. INCREASE SIZE

**Explanation:** Insufficient memory to perform the task.

**Corrective Action:** For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter, or exit one of the screens using an END command.

IOAE16S LOADING OF IOA INSTALLATION PARAMETERS FAILED

**Explanation:** Loading of IOA or Control- × Installation Parameters failed.

The function requested is terminated.

**Corrective Action:** Look on the system log for additional messages.
IOAE17E IOA SUBSYSTEM *subsys* IS ACTIVE FOR ENVIRONMENT (IOA QNAME)

**Explanation:** The *subsys* subsystem is already active for another IOA environment. The same subsystem name cannot be used for two IOA environments in parallel.

IOA subsystem initialization fails for the *subsys* subsystem.

**Corrective Action:** Either choose another subsystem name for the current environment of the IOA products, or deactivate the IOA online monitor and all the subsystem components of the old IOA environment and restart the subsystem.

IOAE18S SUBSYSTEM NAME *subsys* DOES NOT EXIST IN THE MVS TABLES

**Explanation:** If OPTION was set to D for IOASINIT, the subsystem name does not exist. If OPTION was set to M for IOASINIT, or Control-O is started, the subsystem name does not exist and dynamic allocation of the MVS subsystem tables is not allowed.

If OPTION was set to D for IOASINIT, possible causes are:

- There is a mismatch between the name specified in the AMNAME parameter in Control-D Installation Parameters and the name specified in the IEFSSNxx member on SYS1.PARMLIB.
- The IEFSSNxx member on SYS1.PARMLIB was not modified to include the subsystem name.

If OPTION was set to M for IOASINIT, or Control-O is started, possible causes are:

- There is a mismatch between the name specified in the SSNAME parameter in the IOA Installation Parameters and the name specified in the IEFSSNxx member on SYS1.PARMLIB, and dynamic allocation for the subsystem tables is not allowed (SSALLOC=N).
- The IEFSSNxx member on SYS1.PARMLIB was not modified to include the subsystem name, and dynamic allocation for the MVS subsystem tables is not allowed (SSALLOC=N).

Initialization of the subsystem fails.

**Corrective Action:** Define the subsystem name in the MVS table.

If OPTION was set to D for IOASINIT, see the section on Control-D Operational Parameters for details about the AMNAME parameter. See the section on installing the Compressed Dataset Access Method (CDAM) in the Control-D chapter of the *INCONTROL for z/OS Installation Guide* for details about defining the subsystem name in MVS tables.

If OPTION was set to M for IOASINIT, or Control-O is started, see the following:

- The section on IOA Operational Parameters for details about the SSNAME and SSALLOC parameters.
- The section that describes how to install the IOA Subsystem in the IOA chapter of the *INCONTROL for z/OS Installation Guide*.
- The section on installing the Control-M Event Manager Subsystem (CMEM) in the Control-M chapter of the *INCONTROL for z/OS Installation Guide* for details about defining the subsystem name in the MVS tables.

IOAE19E OPTIONS "D", "C" CANNOT BE MIXED

**Explanation:** Options D (Delete) and C (Change) were specified together. Options D and C cannot be mixed. Only one of these option types can be specified at a time.
**Corrective Action:** Remove conflicting options, and request one option type at a time. After one option type has been performed, request the other option type.

**IOAE1AE OPTIONS "A", "E" CANNOT BE MIXED**

**Explanation:** Options A (Add) and E (Erase) were specified together. Options A and E cannot be mixed. Only one of these option types can be specified at a time.

**Corrective Action:** Remove conflicting options and request one option type at a time. After one option type has been performed, request the other option type.

**IOAE1BS OPEN OF IOA LOG FILE FAILED**

**Explanation:** Open of IOA Log file failed (the DALOG DD statement). Possible causes are:

- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA installation.

The requested function ends.

**Corrective Action:** Look on the computer log for additional messages that clarify the reason for the failure. Then, correct the JCL for the job, or the allocations of the CLIST.

**IOAE1CE INSUFFICIENT STORAGE TO BUILD LIST - USE ANOTHER SELECTION CRITERIA**

**Explanation:** There is insufficient storage available to insert a new entry in the list. A new entry is not added.

**Corrective Action:** Increase the REGION size, exit any open screens, and retry the operation. An alternative is to reduce the number of generations.

**IOAE1DI PLEASE FILL IN THE ENTRY DATA**

**Explanation:** No data entered in an obligatory field.

**Corrective Action:** Fill in all obligatory fields.

**IOAE1EI ENTRY ADDED**

**Explanation:** Normal message of the I (Insert) option when a new entry is added successfully.

**Corrective Action:** No action is required.

**IOAE1FI SOME REPORTS WERE HIDDEN BY USER SECURITY EXIT**

**Explanation:** This information message indicates that for security reasons, one or more entries was not displayed. Control-M/Analyzer security exit CTBX003 determined that the user is not authorized to look at some entries.

One or more entries will be hidden from the user.
**Corrective Action:** No action is necessary. All entries for which there is authorization will be displayed. To change authorization settings, call your INCONTROL administrator.

**IOAE1UE INVALID VALUE, USE "Y", "N" OR "P"**

**Explanation:** An invalid value was entered in the SEND WITH CC field.

Valid values for the SEND WITH CC field are:

- **Y** - Yes
- **N** - No
- **P** - Page Break

The cursor points to the field that contains the invalid value.

**Corrective Action:** Correct the value in the field.

**IOAE1VE INVALID VALUE, USE "Y", "N" OR "L"**

**Explanation:** An invalid value was entered in the CONVERT TO ASCII field.

Valid values for the CONVERT TO ASCII field are:

- **Y** - Yes
- **N** - No
- **L** - Convert to ASCII and add line separator CRLF

The cursor points to the field that contains the invalid value.

**Corrective Action:** Correct the value in the field.

**IOAE20E AN ENTRY DELETED CANNOT BE HELD**

**Explanation:** A HOLD request was specified for an entry that was deleted. Once an entry is deleted it cannot be held.

**Corrective Action:** No action is required.

**IOAE21E ENTRY ALREADY HELD. NO ACTION TAKEN**

**Explanation:** A HOLD request was specified for an entry that is already being held. If an entry is already held, a new HOLD request is invalid.

The option is not performed.

**Corrective Action:** No action is required.

**IOAE22E CANNOT PERFORM "FREE" OPTION. ENTRY IS NOT HELD**

**Explanation:** A FREE request was specified for an entry that is not being held. Only an entry that is held can be freed.

The option is not performed.

**Corrective Action:** No action is required.
**IOAE23E "DELETE" OPTION SUPPORTED ONLY WHEN ENTRY IS HELD**

**Explanation:** A DELETE request was entered for an entry that is not being held. Only an entry that is held can be deleted.

The option is not performed.

**Corrective Action:** No action is required.

**IOAE24E ENTRY HAS ALREADY BEEN DELETED**

**Explanation:** A DELETE request was specified for an entry that was already deleted. Once an entry is deleted, it cannot be deleted again.

**Corrective Action:** No action is required.

**IOAE25E AN ENTRY DELETED CANNOT BE FREED**

**Explanation:** A FREE request was specified for an entry that was already deleted. Once an entry is deleted it cannot be freed.

**Corrective Action:** No action is required.

**IOAE26S SECURITY VIOLATION FOR OPTION opt**

**Explanation:** An option was rejected by a security or user exit. Each option request by a user is sent to both the security exit and the user exit, if any. Either can reject the option.

The option is not performed.

**Corrective Action:** To get authorization to perform this function, contact your INCONTROL administrator.

**IOAE27E "WHY" OPTION VALID ONLY WHEN ENTRY IS IN "WAIT ACTIVATION" STATE**

**Explanation:** The Why option ? was specified for an entry that does not have a WAIT ACTIVATION status. The Why option shows why an entry has a WAIT ACTIVATION status. The option is invalid if the entry has a different status.

**Corrective Action:** No action is required.

**IOAE28E INVALID TIME**

**Explanation:** An invalid TIME FROM and/or TO value was specified. Specified TIME values must be valid times based on a 24 hour clock, in format hhmm, where hh is hours and mm is minutes.

**Corrective Action:** Correct the specified TIME values.

**IOAE29S UNABLE TO LOAD MODULE modName**

**Explanation:** Loading of the modName module failed. Possible causes are:
The IOA Load library is not in the load modules search list.
- Insufficient storage available to load the module.
- The `modName` module does not exist in the IOA Load library.
- The IOA Load library was updated while you were working and the position of `modName` module has changed.

The function requested is terminated.

**Corrective Action:** Look on the system log for additional messages that clarify the problem. Suggested actions:
- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed due to lack of storage then for batch jobs, increase the REGION size, and for TSO, try to log on again using a larger SIZE parameter. If you are using many IOA screens concurrently, try to exit a few using the END command. This can release storage that is used by the screens.
- Add the `modName` module to the Load library.
- If the IOA Load library was modified and you are working under TSO, try to log on again. If you are working under ROSCOE, you may have to shut down ROSCOE and bring it up again. If the IOA Load library is in the Linklist, a refresh to the LLA is needed.

**IOAE2AE INSUFFICIENT STORAGE TO INSERT NEW MEMBER**

**Explanation:** Insufficient storage available to insert a new entry.

**Corrective Action:** Suggested actions:
- Log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, exit some of them using the END command.

**IOAE2BE DEFINITION IS TOO LARGE AND SHOULD BE SPLIT**

**Explanation:** Definition member is too large to be handled by IOA. Possible causes are:
- Insufficient storage available to process the definition member.
- The definition member is too large.

**Corrective Action:** Suggested actions:
- Log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, exit some of them using the END command.
- Split the definition member into two.

**IOAE2CE INSUFFICIENT STORAGE TO SHOW DEFINITION**

**Explanation:** Insufficient storage available to enter the definition screen.

**Corrective Action:** Suggested actions:
Log on again using a larger SIZE parameter.
If you are using many IOA screens concurrently, exit some of them using the END command.

IOAE2DE INSUFFICIENT STORAGE TO PROCESS CHANGES TO DEFINITION. CHANGES IGNORED

**Explanation:** Insufficient storage available to process the changes in the definition screen. All changes are ignored, and the user returns to the list screen. You can still try to save the entry.

**Corrective Action:** Do one of the following:
- Log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, exit some of them using the END command.

IOAE2EE NO ENTRIES FOUND IN THE LIBRARY. PLEASE SPECIFY AN ENTRY NAME

**Explanation:** IOA did not build the entry list as no entries were found in the library.

**Corrective Action:** Enter new entry name.

IOAE2FS INTERNAL PROGRAM ERROR. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal IOA error while processing an entry. Possible causes are:
- The entry requested is not a valid IOA entry, although its structure is very similar to one.
- The entry requested is a valid IOA entry but the entry was incorrectly modified by an editor or program, and now its contents do not conform to IOA standards.
- Internal IOA program error.

**Corrective Action:** If the contents of the entry were modified, try to restore the entry to its original state. If you cannot, or if this is not the problem, have your system programmer call BMC Software Customer Support.

IOAE30E HELP CODE NOT FOUND, CODE = *line_code*

**Explanation:** Code line_code could not be found in the help member. A HELP request was entered, but the line-sensitive help data could not be retrieved.

The Help screen displayed is the beginning of the help member of the screen, instead of the information relevant specifically to the line at which the cursor is located.

**Corrective Action:** Have your INCONTROL administrator inform BMC Software Customer Support of this message and the code displayed.

IOAE31E ENTRY DOES NOT CONTAIN A VALID DEFINITION

**Explanation:** The requested entry is not a valid IOA definition member.
Possible causes are:
The entry requested is not a valid IOA definition member.

The member requested is a valid IOA definition member, but the entry was incorrectly modified by an editor or program, and now its contents do not conform to IOA standards.

**Corrective Action:** Enter a valid IOA definition. If the specified entry was incorrectly modified, try to restore it to its original state.

**IOAE32E ENTRY IS IN USE BY ANOTHER USER**

**Explanation:** Another IOA user is currently working on the entry. Two users cannot work on the same entry simultaneously. The other user may be using the entry through either the IOA Online Facility or the ISPF editor.

**Corrective Action:** Try again later.

**IOAE33E INSUFFICIENT STORAGE TO LOAD DEFINITION**

**Explanation:** Insufficient storage available to load the definition member.

**Corrective Action:** Do one of the following:

- Log on again using a larger SIZE parameter.
- If you are using many IOA screens concurrently, exit some of them using the END command.
- Split the entry into two.

**IOAE34E MORE THAN num ENTRIES - CURRENT MAXIMUM EXCEEDED**

**Explanation:** Too many entries in the definition member. The maximum number of entries permitted is number. This variable is site modifiable, and has a default of 500.

**Corrective Action:** Split the IOA definition member into two. If necessary, contact your INCONTROL administrator to increase the maximum number of entries permitted.

**IOAE35E EXIT IOAX028 MSG - rc**

**Explanation:** This message is displayed from user exit IOAX028. The code displayed is an internal user code. Exit IOAX028 is invoked from certain IOA definition screens. For more information, refer to IOAX028 in the SAMPEXIT library.

**Corrective Action:** If necessary, contact your INCONTROL administrator for further information.

**IOAE36E EXIT IOAX028 WAS CALLED MORE THAN 10 TIMES ONE AFTER ANOTHER**

**Explanation:** This message indicates that user exit IOAX028 was called more than ten times consecutively between ENTER commands. This exit was modified and activated so that for each invocation it enforces a new check of the screen, and after each check of the screen the exit is invoked again before the user regains control of the screen. This probably indicates an inner loop.

After the tenth time exit IOAX028 is called in a row, it is not called again, and the user regains control of the screen.

**Corrective Action:** Notify your INCONTROL administrator of the occurrence of this message.
IOAE37E MEMBER $$SPACE MAY NOT BE DELETED

**Explanation:** An attempt was made to delete the $$SPACE member in one of the directory lists. The $$SPACE member is a not an IOA member. It is a member of PDSMAN, and therefore, user access to it is restricted. The IOA delete option is invalid for deleting non IOA members like $$SPACE.

The $$SPACE member is not deleted.

**Corrective Action:** No action is required.

IOAE38I cpuSmfId ENTRY memName LIBRARY libfunc

**Explanation:** This information message indicates that the memName member was:

- Deleted from an IOA definition library. Whenever a user deletes a member, the action is recorded in the IOA Log file.
- Sorted in an IOA definition library. The action may be recorded in the IOA Log file, depending on the TABUADT parameter in the IOAPARM member.
- Created in an IOA definition library. The action may be recorded in the IOA Log file, depending on the TABUADT parameter in the IOAPARM member.

In this message, cpuSmfId is the SMF ID of the CPU on which the session is active.

**Corrective Action:** No action is required.

IOAE39E MAXIMUM num. CANNOT ADD MORE ENTRIES

**Explanation:** The definition member is full. The maximum number of entries in an IOA definition member is number. This variable is site-modifiable, and has a default of 500.

**Corrective Action:** Split the IOA definition member into two. If necessary, ask your INCONTROL administrator to increase the maximum number of entries permitted.

IOAE3AE PLEASE FILL IN LIBRARY NAME

**Explanation:** Missing library name. The LIBRARY field is required.

**Corrective Action:** Fill in the name of the IOA definition library.

IOAE3BE ONE (AND ONLY ONE) EXIT OPTION MUST BE MARKED AS "Y" OR "N"

**Explanation:** Two exit options are marked. Only one exit option may be marked with Y or N.

**Corrective Action:** Fill in Y or N in only one of the exit options.

IOAE3CI ENTRY HAS BEEN SAVED/CREATED

**Explanation:** This information message indicates that an IOA definition entry was saved or created. In some of the IOA entry definition lists this message is displayed after a definition entry is saved or created.

**Corrective Action:** No action is required.
IOAE3DS ERROR IN COMMAND MEMBER - NOTIFY THE IOA ADMINISTRATOR

**Explanation:** The command member could not be accessed. Each IOA screen is controlled by an external command member. The Parameters library should be allocated to the DACMDxx DD statement, where xx is the application ID.

Possible causes are:
- The contents of the command member were incorrectly changed.
- The DACMDxx DD statement points to the wrong library.

The screen is locked.

**Corrective Action:** To exit, press PA1 a few times. Call your system programmer for assistance.

IOAE3EE NAME MUST BE FILLED IN

**Explanation:** No value was specified for the NAME parameter. The NAME parameter is mandatory.

**Corrective Action:** Specify a valid name.

IOAE3FE INVALID MODE. USE "P" - PROD, "T" - TEST

**Explanation:** An invalid value was specified in the MODE field. The MODE parameter enables the user to determine whether specific actions are really performed, or only recorded and not implemented. Valid modes are P (Prod) and T (Test). In mode P, actions are implemented normally. In mode T, actions that would have been performed in mode P are merely recorded and not implemented.

**Corrective Action:** Specify a valid mode.

IOAE40E PLEASE FILL IN OWNER

**Explanation:** An OWNER value was not specified. The OWNER parameter is mandatory. It identifies the ID of the user who requests IOA services.

**Corrective Action:** Specify a valid OWNER (user ID).

IOAE41E FIELD SHOULD BE NUMERIC

**Explanation:** A non-numeric value was specified in a numeric field.

**Corrective Action:** Specify a numeric value.

IOAE42E INTERNAL ERROR IN modName RC=rc

**Explanation:** An internal error occurred during preparation or transmission of a panel for display on the screen. The name of the module in which the error occurred, and the return code, appear in the message.

The panel is not displayed.

**Corrective Action:** If modName is IOADAS and RC=000016, check the IOA LOG for message CTDE12E. If CTDE12E was issued, see “CTDE12E RESOURCE LIBRARY HAS AN INCORRECT FORMAT”.
INCONTROL for z/OS Messages Manual

Try to reenter the online environment after logging out and reconnecting. If this is unsuccessful, call BMC Customer Support with the information in the message.

IOAE43E INVALID NAME

**Explanation:** An invalid name was specified in the NAME field. A valid name must begin with an alphabetic character or with one of the following characters: $, # or @. All other characters must be alphabetic, numeric or one of the following: $, #, @, _, . or %. Characters * and ? are valid only for mask representations.

**Corrective Action:** Correct the name specification.

IOAE44E INVALID DATE

**Explanation:** An invalid date was specified. The date should be a valid date in the format determined by Installation Parameters. Valid formats are ddmmyy, mmddyy, or yymmdd. In some date fields, four digits (no yy year) or eight digits with a 4-digit year (ddmmyyyy, mmddyyyy or yyyymmdd) are valid.

**Corrective Action:** Specify a valid date.

IOAE45E "FROM" VALUE CANNOT EXCEED "TO" VALUE

**Explanation:** User specified an invalid range in FROM and TO fields. The FROM value cannot exceed the TO value.

**Corrective Action:** Specify a valid range or a mask, if a mask is valid in the FROM field.

IOAE46E FILL IN THE REQUESTED FIELD

**Explanation:** The cursor is positioned in a required field but the field was not filled in.

**Corrective Action:** Fill in the field.

IOAE47S INTERNAL ERROR IN SENDMSG ROUTINE

**Explanation:** The IOA Online Facility sent a message to the screen but the message cannot be displayed due to an internal program error.

**Corrective Action:** Call BMC Software Customer Support for assistance.

IOAE48E REDUNDANT "ON" STATEMENT AFTER AN EMPTY AND/OR/NOT OPTION

**Explanation:** An ON statement is not linked to the preceding ON statement by the AND/OR/NOT parameter. When more than one ON statement is specified, the relationship between them must be defined. The AND/OR/NOT field for an ON statement cannot be blank if another ON statement follows.

Valid AND/OR/NOT field values are:

- A (AND)
- O (OR)
- N (NOT).

**Corrective Action:** Fill in a valid AND/OR/NOT parameter, or delete the unlinked ON statement.
IOAE4AE FIELD MUST BE ENTIRELY FILLED IN

Explanation: The field is not entirely filled in. The field specifies data that is valid only if all character positions are used. In some cases these fields may receive masked values.

Corrective Action: Fill in the field entirely.

IOAE4BE VALID OPTIONS ARE "A", "O", "N" AND " "

Explanation: An invalid value was specified in the AND/OR/NOT field. AND/OR/NOT parameter links ON statements. The AND/OR/NOT field for an ON statement cannot be blank if another ON statement follows.

Valid values: A (AND), O (OR), N (NOT) and blank (no more ON statements).

Corrective Action: Specify a valid AND/OR/NOT field value.

IOAE4CE AT LEAST ONE "ON" STATEMENT MUST BE FILLED IN

Explanation: No ON statement was specified. At least one ON statement must be defined in the Rule Definition.

Corrective Action: Specify at least one ON statement.

IOAE4DE VALID OPTIONS ARE "A", "O" AND " "

Explanation: An invalid value was specified in the AND/OR field.

Valid values for the AND/OR field are:

- A (AND)
- O (OR)
- Blank (no connection with following statement).

Corrective Action: Specify a valid value in the AND/OR field.

IOAE4EE PLEASE FILL IN THE PREREQUISITE CONDITION NAME

Explanation: A prerequisite condition name is missing in a DO COND statement.

At least one condition must be specified in a DO COND statement.

Corrective Action: Specify a prerequisite condition name.

IOAE4FE INVALID DATE REFERENCE

Explanation: An invalid date or date reference was specified in the date field. The date reference should be a valid date in the format determined by Installation Parameters: mmdd or ddmm. In some date reference fields, the following values are also valid: PREV, DATE, NEXT, ODAT, *** * or $$$$. For details, refer to the appropriate user guide.

Corrective Action: Specify a valid date reference.
IOAE4GE INTERNAL ERROR RC=XXXXXXXX, RS=XXXXXXXX, DG=XXXXXXXX

**Explanation:** The common API for the condition file failed.
Execution stops.

**Corrective Action:** Contact your IOA administrator for assistance.

IOAE4IE Control-M IS NOT INSTALLED. "CONDITION" MUST BE "Y"

**Explanation:** Control-M is not installed and the CONDITION option has not been marked as Y.
Mark at the CONDITION option as Y.

**Corrective Action:** No action is required.

IOAE50E MISSING/INVALID CONDITION OPTION. USE "+" (ADD) OR "-" (DELETE)

**Explanation:** The condition option is invalid or missing. Use condition option + (plus) to add a condition to the IOA Conditions file, or - (minus) to delete a condition from the IOA Conditions file.

**Corrective Action:** Specify + (plus) or - (minus) in the condition option field.

IOAE51E INTERNAL ERROR. WINDOW IS OUTSIDE OF SCREEN

**Explanation:** The screen window requested by the IOA Online Facility cannot be displayed because of an internal program error.

**Corrective Action:** Re-enter the information. Notify BMC Software Customer Support if the error occurs again.

IOAE52E INVALID PARAMETERS FOR ZIP ROUTINE

**Explanation:** The screen window requested by the IOA Online Facility cannot be displayed because of an internal program error.

**Corrective Action:** Contact BMC Software Customer Support.

IOAE53E THERE IS NO DATA TO DISPLAY

**Explanation:** The screen that is being prepared for display does not contain any data.

The screen which is being prepared is not displayed. The previous screen is displayed with the error message.

**Corrective Action:** Consider one or more of the following:
If no reports meet the selection criteria, this is an informational message.

If CTDTREE was recently changed (for example, if a new Recipient was added), make sure that CTDTREE was reloaded. For more information on loading the Recipient Tree, see the INCONTROL for z/OS Administrator Guide.

If the SHOW command is available, use it to check whether or not the SHOW settings are affecting the display. If the SHOW command is not available, change the selection or Show criteria, and then re-enter.

IOAE54E INVALID SHOUT DESTINATION CODE

Explanation: An invalid SHOUT destination code was specified.

Corrective Action: Correct the SHOUT destination field. For valid destinations, refer to the appropriate user guide.

IOAE55E INVALID URGENCY. USE "R" - REGULAR, "U" - URGENT OR "V" - VERY URGENT

Explanation: An invalid SHOUT urgency was specified. Valid SHOUT urgency values are R (Regular), U (Urgent), or V (Very urgent). For details, refer to the appropriate user guide.

Corrective Action: Specify R, U, or V in the SHOUT urgency field.

IOAE56E FIELD MUST BE FILLED IN

Explanation: The mandatory field in which the cursor is positioned was not filled in.

Corrective Action: Fill in the field.

IOAE57E ONLY CODE OPTION "- " ALLOWED FOR DATE REFERENCE $$$$/*****

Explanation: Code option + (plus) was specified for a generic date reference. The Add condition option + cannot be specified with generic date references ($$$$/****).

Corrective Action: Specify - (minus) as the code option, or use a different date reference.

IOAE58E PLEASE FILL IN THE "QUANTITATIVE" RESOURCE NAME

Explanation: A quantitative resource quantity was specified without a corresponding quantitative resource name.

Corrective Action: Fill in the quantitative resource name.

IOAE59E STYLE IS RESERVED FOR SYSTEM PURPOSES

Explanation: The specified style ID on a @STYLE line in the Display Type definition member is reserved by the IOA Online Facility for system purposes. See the INCONTROL for z/OS Installation Guide for more information.

Corrective Action: Specify another style ID.
IOAE5AE A DATE WHICH HAS PASSED CANNOT BE SPECIFIED

Explanation: A date that passed was specified in a DATE field. Only the current date or a future date can be specified in the DATE field.

Corrective Action: Specify the current date or a future date.

IOAE5BE PLEASE FILL IN A VALID AUTOEDIT STATEMENT

Explanation: An invalid AutoEdit statement or expression was specified in the DO SET statement.

Corrective Action: Specify a valid AutoEdit statement. For an explanation of the AutoEdit Facility, see the appropriate user guide.

IOAE5CE INVALID ACTION

Explanation: An invalid action was specified in a DO statement.

Corrective Action: Correct the DO action field. For valid actions, refer to the appropriate user guide.

IOAE5DE INVALID SIGN. USE "<", ">", OR BLANK

Explanation: An invalid character has been specified in the SHIFT field. Valid values are < (Shift back), > (Shift forward) or blank (do not shift).

Corrective Action: Specify a valid value.

IOAE5EI TOP OF DEFINITION LIST

Explanation: This information message indicates that the current entry is the first entry in the entry list. This message can be displayed if a PREV command (PF10) is specified in a list screen when the first entry of the list is already displayed.

Corrective Action: No action is required.

IOAE5FI BOTTOM OF DEFINITION LIST

Explanation: This information message indicates that the current entry is the last entry in the entry list. This message can be displayed if a NEXT command (PF11) is specified in a list screen when the last entry of the list is already displayed.

Corrective Action: No action is required.

IOAE60E LOGICAL ERROR ON CONTROL-M/TAPE MDB

Explanation: A logical error was detected in the Control-M/Tape Media Database (MDB) when reading a record. Probable causes:

- There is a data set record in the MDB, but the corresponding volume record does not exist.
- One of the volumes of a multivolume data set is not found in the MDB.

Corrective Action: Notify your system administrator.
IOAE61E INVALID SIGN. USE "<" OR ">"

Explanation: The user has specified an invalid sign preceding a numeric value.
Corrective Action: Specify the correct sign: < or >.

IOAE62E A NEW "ON" STATEMENT MUST BE FILLED IN AFTER AND/OR/NOT IS SPECIFIED

Explanation: An AND/OR/NOT parameter was used without a subsequent ON statement. The AND/OR/NOT parameter links a subsequent ON statement with the preceding ON statement. Every AND/OR/NOT value must be followed by an ON statement.
Corrective Action: Either delete the value in the AND/OR/NOT field, or enter the missing ON statement.

IOAE63E A RANGE IS INVALID WHEN A MASK IS USED

Explanation: A TO value cannot be specified if the FROM field contains a mask. A group is specified by a mask in the FROM field, or by filling in the TO field to specify a range. However, these methods cannot be combined.
Corrective Action: Clear the TO field, or do not specify a mask in the FROM field.

IOAE64E TOO MANY DIGITS SPECIFIED IN FIELD

Explanation: Too many digits were specified in a field. When a numeric value is specified in this field, a limited number of digits or columns can be filled in. This may occur when the field receives different types of data, for example a date or a four digit number.
Corrective Action: Decrease the number of digits specified in the field.

IOAE66I ENTRY LOCATION CHANGED IN TABLE AFTER SORT

Explanation: This information message indicates that changes in the definition screen or Entry List caused the entry to change location in the table after exit from the definition screen and return to the Entry List Panel. Automatic sort of the table is active. The sort criteria of an entry changed in the particular definition screen or in the Entry List.
The order of entries in the table is changed.
Corrective Action: No action is required.

IOAE67I AN UNSORTED TABLE WAS SORTED ON ENTRY TO LIST

Explanation: This information message indicates that an unsorted table member was sorted on entry to list of entries in a table.
Automatic sort of the table is active. If the sort changed the order of entries in the table, this message is issued. This situation may occur when selecting tables that were created by conversion utilities, or if sort was previously inactive when modifying the table.
The order of entries in the table is changed.
Corrective Action: No action is required.
IOAE68E INVALID FORMAT OF CHANGE COMMAND

Explanation: The CHANGE command was issued using an invalid format. Valid format of the CHANGE command is:

CHANGE string_in_definition replacement_string

Corrective Action: Reissue the command using the valid format.

IOAE69E PF9 RCHANGE IS VALID ONLY AFTER SUCCESSFUL CHANGE

Explanation: The RCHANGE could not be performed because the original CHANGE command was not successfully completed.

Corrective Action: Use the CHANGE command to substitute a string in an IOA definition with another string.

IOAE6AI FIELD CHANGED SUCCESSFULLY

Explanation: This information message indicates that the CHANGE command was used to change the value of a certain string in an IOA definition to the value of another string.

Corrective Action: No action is required.

IOAE6BI NO FIELDS FOUND TO MATCH CHANGE STRING

Explanation: This information message indicates that the user issued a CHANGE command to change the value of a string in an IOA definition to another string's value. However, no matching string was found in any of the fields of the definition.

The requested string substitution does not take place.

Corrective Action: No action is required.

IOAE6CE CHANGE OF FIELD WILL CAUSE AN ERROR

Explanation: The change requested by means of the CHANGE command is not performed because it would cause an error in the IOA definition. Before performing the requested change, a validity check is performed to ensure that the field will not grow beyond its boundaries, and that its contents remain valid for the IOA definition.

The requested change is not performed.

Corrective Action: No action is required.

IOAE6FE CANNOT DISPLAY A MONTH OUTSIDE THE SPECIFIED RANGE

Explanation: The user requested the Online Scheduling Plan for a specific range of dates and then attempted to view the job scheduling dates for a month that is outside the defined date range.

Corrective Action: To view the scheduling plan for the requested month, exit the current display of the plan, define a new range, and reenter.
IOAE70E VALID SORT OPTIONS ARE "J"-JOB, "G"-GROUP OR "A-APPLICATION"

Explanation: An invalid sort option or no sort option was requested when activating the SORT command from the scheduling job list.

Corrective Action: Specify one of the valid sort options shown in the message when activating the SORT command.

IOAE71E INVALID CODE

Explanation: An invalid return code, abend code or reference was entered in one of the IOA definition panels.

Corrective Action: Enter a valid code. For information on valid codes, see the appropriate product guide.

IOAE72E INVALID COMMAND NUMBER

Explanation: A command was activated that was incorrectly defined in the Command member of the current screen. The number of a command defined in the Command member of the current screen must be positive, but less than 45.

The command is not executed.

Corrective Action: Correct the corresponding Command member in the IOA Parameter Library. See the section on defining new application types in the section on IOA installation considerations of the INCONTROL for z/OS Installation Guide.

IOAE73E OPERANDS "","","N" ARE INVALID FOR THIS TYPE OF CODE

Explanation: One of these operands, which are invalid for this type of code, was specified.

Corrective Action: Use only valid operands for this type of code.

IOAE74E SIGN OF QUANTITY MUST BE EITHER "+", "-" OR BLANK

Explanation: An invalid sign was specified for quantity change in the CHANGE window.

Valid quantity signs are:

- (minus) - Subtract the amount from the maximum available quantity.
- + (plus) - Add the amount to the maximum available quantity
- blank - Set a new quantity.

Corrective Action: Specify one of the above quantity signs.

IOAE75E COMMENT LINE CANNOT BE INSERTED HERE

Explanation: An attempt was made to open a comment line in an IOA definition. However a comment line cannot be inserted before the line on which the cursor is positioned.

Corrective Action: Try to open the comment on a different line.
IOAE76E OPTION INVALID FOR INSERTED RECORD

**Explanation:** An invalid option or command was entered in an IOA list. The current list of valid options or commands appears at bottom of the screen.

**Corrective Action:** Enter a valid option.

IOAE77E TOO MANY PARMS

**Explanation:** The specified command contained too many parameters.

The command is not issued.

**Corrective Action:** Delete parameters until the remaining ones are accepted.

IOAE78E INVALID cmd PARAMETER - parm

**Explanation:** The parameter specified is not a valid parameter of the command.

The command is not issued.

**Corrective Action:** Either delete the parameter or replace it with a valid one.

IOAE79E REQUESTED FILTER filterName NOT FOUND

**Explanation:** Command SHOW filterName was entered to activate predefined selection criteria, but the filter specified was not in the user profile member or in the global profile member ($PROFILE).

The command is not issued.

**Corrective Action:** Edit and save this filter as a new filter using the EDIT keyword, or specify an existing filter with the command. If the fields of the specified filter match those of the DEFAULT filter, the filter is not saved in the user profile member.

IOAE7AE AT LEAST ONE OF THE FOLLOWING FIELDS MUST BE "Y"

**Explanation:** All Y/N fields in a logical group of fields in the SHOW window are set to N. At least one must be set to Y; otherwise no lines will be displayed.

The selection criteria of the SHOW window are not activated.

**Corrective Action:** Set at least one field to Y.

IOAE7BE FILTER filterName IS A GLOBAL FILTER WHICH CANNOT BE SAVED

**Explanation:** A request to save a GLOBAL filter defined in the $PROFILE member failed because a GLOBAL filter cannot be saved by a user.

The filter is not saved.

**Corrective Action:** Specify a filter name that is not defined in the $PROFILE member.

IOAE7CE MISSING FILTER NAME TO BE SAVED

**Explanation:** The SAVE field on the SHOW WINDOW was set to Y, but no filter name was specified.

SAVE can be performed only on a specific filter.
SAVE is not performed.

**Corrective Action:** Specify a filter name.

IOAE7DE FILTER *filterName* HAS BEEN CHANGED. ENTER Y/N OR "RESET"

**Explanation:** The currently edited filter in the SHOW window was changed, but the SAVE field was left empty.

**Corrective Action:** Suggested actions:

- Enter Y in the SAVE field to save the changes and activate the new selection criteria.
- Enter N in the SAVE field to activate the new selection criteria without saving them.
- Press the RESET key (PF4 is the installation default) to restore the original values to what they were upon entering the SHOW command, and reactivate the original selection criteria.

IOAE7EE INSUFFICIENT MEMORY TO SAVE FILTER *filterName*

**Explanation:** A request to save changes made to a filter failed because there is not enough memory available. When filter fields are changed, the changed values are first saved in memory. Because the current region is used up, changes cannot be saved.

The changes are not saved.

**Corrective Action:** Exit the SHOW window without saving the changes by specifying N in the save field, or by pressing the RESET key (PF4 is the installation default). To enable saving a new filter, or changes to an existing filter, either exit some open online applications, or increase the value of the REGION parameter.

IOAE7FE COMMAND "x" CANNOT BE ISSUED FOR A SMART TABLE

**Explanation:** The x line command is supported for job entries, but not SMART tables.

The command is not executed.

**Corrective Action:** No action is required.

IOAE7GE VALID SORT OPTIONS ARE "R"-RULE, "T"-TYPE

**Explanation:** An invalid sort option or no sort option was requested when activating the SORT command from the rule definition list.

**Corrective Action:** Specify either R or T when activating the SORT command.

IOAE7HI *cpuSmfl'dDEFINITION defn IN lib(memName) func*

**Explanation:** This information message indicates that the *defn* definition was:
INCONTROL for z/OS Messages Manual

- Deleted from a member of an IOA definition library. The action may be recorded in the IOA Log file, depending on the TABUADT parameter in the IOAPARM member.
- Changed into a member of an IOA definition library. The action may be recorded in the IOA Log file, depending on the TABUADT parameter in the IOAPARM member.
- Created into member of an IOA definition library. The action may be recorded in the IOA Log file, depending on the TABUADT parameter in the IOAPARM member.
- Copied from a member of an IOA definition library to another member. The action may be recorded in the IOA Log file, depending on the TABUADT parameter in the IOAPARM member.

In this message, cpuSmfId is the SMF ID of the CPU on which the session is active.

Corrective Action: No action is required.

IOAE7KE ROUTCODE route_code OF parameter PARAMETER IS INVALID

Explanation: This message is issued when the error occurred during parsing the IOADEST member of the IOA PARM library. The ROUTCODE of parameter parameter is invalid. A valid value of ROUTCODE is a number between 1 and 15.

Corrective Action: Update the route_code with the correct value.

IOAE80S STATEMENT PARSING ERROR. RC= rc. EXECUTION WILL TERMINATE

Explanation: Highlighted, unrollable message.

An internal error occurred while building the online environment.

The online environment is not started.

Corrective Action: Try to reenter the online environment after logging out and reconnecting. If this is unsuccessful, contact BMC Software Customer Support with the information in the message.

IOAE81E OPERATION NOT GRANTED

Explanation: A user exit or security exit did not allow performance of the specified operation in the online environment.

The operation is not performed.

Corrective Action: Contact your IOA security administrator to get authorization to perform this operation.

IOAE83E JOB WILL NOT BE SCHEDULED DURING THIS PERIOD

Explanation: The selected job or SMART table is not scheduled to run within the specified time period.

Option P on the Job List screen of the Job Schedule Definition facility (2.P) shows when the selected job or SMART table will run in the specified time period.

The system waits for a response from the operator.

Corrective Action: Press the PF3 key to continue.
IOAE84I ENTRY MODIFIED

**Explanation:** This information messages indicates that an entry in an IOA list has been modified.

**Corrective Action:** No action is required.

IOAE85E DUPLICATE RBC *rbcName*

**Explanation:** Two rule-based calendar entries with the same name were defined in the SMART Table Entity. Rule-based calendar names must be unique within a SMART Table Entity.

**Corrective Action:** Change one of the rule-based calendar names so that all the rule-based calendar names in the SMART Table Entity are unique.

IOAE86E PLEASE FILL IN AT LEAST ONE RBC ENTRY

**Explanation:** An attempt to exit a SMART Table Entity definition for which no rule-based calendar name was defined failed. At least one rule-based calendar entry must be defined in a SMART Table Entity.

**Corrective Action:** Specify at least one rule-based calendar name in the SMART Table Entity.

IOAE88E INVALID HEXADECIMAL DIGIT

**Explanation:** When specifying the WHEN string (x'######') in hexadecimal format the user used an invalid digit. Valid hexadecimal digits are: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F.

**Corrective Action:** Correct the WHEN string to contain valid digits only.

IOAE89E HEXADECIMAL STRING MUST CONTAIN AN EVEN NUMBER OF DIGITS

**Explanation:** An odd number of hexadecimal digits was specified in the WHEN string, for example, x'40A12'. The WHEN string must contain an even number of digits since each pair of digits represents one byte.

**Corrective Action:** Correct the WHEN string to contain an even number of valid digits.

IOAE8AW FILTER *filterName* WILL NOT BE SAVED - IDENTICAL TO "DEFAULT" FILTER

**Explanation:** An attempt was made to save a filter that is identical to the default filter. A user filter can be saved only if its filtering criteria are different from the default filter criteria (filter DEFAULT).

**Corrective Action:** Change some of the criteria in the current filter, or use filter DEFAULT whenever these criteria are desired.

IOAE8BS IOATDRV RC=rc ID/TYP/CLS=id/type/class CALL=func PGM=pgmName #=num

**Explanation:** The main screen formatting routine encountered an internal error. The ID, type, and class are specified as three characters in the message. The first character represents the ID, the second character represents the type, and the third character represents the class.

The screen is not displayed, or displayed incorrectly.
**Corrective Action:** Save the contents of the message and try to reenter the environment. If the problem persists, report the information from the message to your INCONTROL administrator.

**IOAE8CE CHARACTERS '*' AND '?' ARE INVALID IN RBC NAME**

**Explanation:** In a SMART Table Entity scheduling definition, an invalid character has been typed in the RBC field. The RBC field may contain any displayable characters except for '* ' and '?'.

The SMART Table Entity scheduling definition cannot be saved.

**Corrective Action:** Remove invalid characters from the RBC field.

**IOAE8DE THIS OPTION MUST BE THE LAST ENTERED**

**Explanation:** An option that must be the last option entered in the screen was requested. No other option can be entered on any line after this line.

The request is ignored.

**Corrective Action:** Either delete the option that must be the last in the screen, or delete all options that follow it.

**IOAE8EE THIS OPTION MUST STAND ALONE**

**Explanation:** An option that cannot be combined with any other option was requested. No other option can be entered on any other line.

The request is ignored.

**Corrective Action:** Either delete the option that must be specified alone, or delete all other options.

**IOAE8FE THIS COMMAND IS ONLY ALLOWED IN SCROLLABLE SCREEN**

**Explanation:** An UP, DOWN, FIND, or LOCATE command was entered in a nonscrollable screen. The requested command is not performed.

**Corrective Action:** No action is required.

**IOAE8GE ILLLEGAL FIRST CHARACTER**

**Explanation:** The first character is used for the exclude sign, therefore the RBC name cannot start with that character.

**Corrective Action:** Change the first character in the RBC name to a different character.

**IOAE8LE FIRST CHARACTER CANNOT BE "x"**

**Explanation:** The first character is used for the exclude sign, therefore the RBC name cannot start with that character.

**Corrective Action:** Change the first character in the RBC name to a different character.

**IOAE8RE FIRST CHARACTER CANNOT BE "!"**

**Explanation:** Even when the Exclude RBC feature is turned off (EXCLUDRC=N in CTMPARM), new RBCs cannot have a name starting with "!".
However, existing CTM-level RBCs with such names can be used, but will be processed according to the setting of EXCLURBC. If EXCLURBC=N, the CTM-level RBCs will be processed as regular (Include) RBCs. If EXCLURBC=Y, the CTM-level RBCs will be processed as reference to Exclude RBCs (without the “!” and will result with a message of missing RBC).

When editing a SMART table RBC section, an existing Table level RBC with a name starts with “!”’, will be treated according to the value of EXCLURBC. With EXCLURBC=N, it will be treated as an include RBC, while with EXCLURBC=Y, it will be treated as an Exclude RBC.

**Corrective Action:** Change the name of the RBC so it starts with a character other than “!”’, and make sure that all jobs referring to this RBC are updated with the new name (and do not use “!” as the first character of the name).

**IOAE90E THE DATE RANGE ALLOWED IS UP TO 3 YEARS**

**Explanation:** The date range in the scheduling plan of a job or group entity in calendar format exceeds 3 years.

The requested command or option is not performed.

**Corrective Action:** Correct the date range and press Enter.

**IOAE91E CALENDAR CONTAINS A DUPLICATE YEAR. RESET WINDOW IN ORDER TO FIX IT**

**Explanation:** An attempt was made to define a calendar that duplicated an existing calendar.

The duplicate calendar is not saved.

**Corrective Action:** Enter N (No) in the Save window.

**IOAE92E USER IS NOT AUTHORIZED TO USE OPTION**

**Explanation:** The current attempt to run a job or enter a command is not authorized. This error message is issued when there is an attempt to perform an operation that is not allowed. For example, someone tried to use an IOA Online option without the necessary authority.

The operation terminates.

**Corrective Action:** Notify your INCONTROL administrator.

**IOAE93E THE COMMAND ENTERED REQUIRES AN OPERAND**

**Explanation:** A command that requires an operand was entered without an operand.

The command is not performed.

**Corrective Action:** Reenter the command with the operand.

**IOAE95E COMPLETE THE INSERT OPERATION BEFORE USING OTHER COMMANDS**

**Explanation:** A new line or record was inserted, but no other step was taken before another command was entered.
When a new line or record is inserted, no other command can be performed until either the new line or record is deleted, or data is entered in the new line or record.

**Corrective Action:** Either delete the newly inserted line or record, or type some data into the newly inserted line or record and press **Enter**.

**IOAE0E GETMAIN FAILED**

**Explanation:** There was insufficient memory to perform a task.

The action that could not be performed accompanies this message. It may vary depending on the environment in which the message was issued.

**Corrective Action:** For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter, or exit one of the screens.

**IOAE1E TOKEN CREATE/RETRIEVE FAILED**

**Explanation:** An error occurred during the initialization of an INCONTROL product. The CREATE or RETRIEVE service failed, and the related IBM Module (IEANTCR or IEANTRT) ended with a nonzero return code.

**Corrective Action:** Refer to the relevant IBM publication.

**IOAE2E TOKEN MUST EXIST FOR SERV/TERM FUNCTION**

**Explanation:** An internal error occurred during the initialization of an INCONTROL product.

**Corrective Action:** Contact BMC Software Customer Support.

**IOAE3E IOALDPRM FOR PARAMETER MEMBER parm FAILED[: MODULE modName NOT FOUND]**

**Explanation:** During IOA environment initialization, processing of the parm source parameter failed. Sometimes the optional part of the message is displayed, indicating that the modName module was needed to process the parm parameter, but the module was not found in a load library.

This message is usually preceded by a message detailing either a READ error or a syntax error. The program stops.

**Corrective Action:** Check and correct the parm member in the IOA PARM library. BMC Software recommends that you use the ICE Customization option to correct this member.

**IOAE4E INIT FOR SERVICE serv FAILED**

**Explanation:** During IOA environment initialization, the initialization of the module that provides the serv service failed.

Valid values for serv are:
IOALOGR - read or write to the IOA LOG file
MESSAGES - message retrieval
WISHES - optional wishes retrieval
TRACE - IOA trace facility
IOALLOC - IOA dynamic allocation facility

This message is usually preceded by a message issued by the service module, which usually describes the problem.

The probable source of the problem is either the IOADSN or the allocation members in the libraries referenced by DD name DAPARM.

The program stops.

**Corrective Action:** Attempt to solve the problem described in the service module message.

IOAEA5E UNABLE TO OBTAIN ENQ FOR IOAENV

**Explanation:** An internal error occurred during the initialization of an INCONTROL product.

Initialization stops.

**Corrective Action:** Contact BMC Customer Support.

IOAEA6E JES NOT RECOGNIZED

**Explanation:** No value was set for the JESTYPE parameter, and the IOAENV module could not identify the type of JES in use.

The program stops.

**Corrective Action:** Check and correct the JESTYPE parameter in the IOAPARM member in the IOA PARM library.

IOAEA7E INVALID FUNCTION PASSED

**Explanation:** An internal error occurred during the initialization of an INCONTROL product.

Initialization stops.

**Corrective Action:** Contact BMC Customer Support.

IOAEA8E SUBPOOL NOT EQUAL TO THE MCT SUBPOOL

**Explanation:** An internal error occurred during the initialization of an INCONTROL product.

Initialization stops.

**Corrective Action:** Contact BMC Customer Support.

IOAEA9E DAPARM DD STATEMENT MISSING. PROCESS ENDED

**Explanation:** The initialization of the desired environment could not be completed because the DAPARM DD statement was not found.

The session ends.
Corrective Action: Add the DAPARM DD statement to the relevant JCL.

IOAEAAE CALL TO IOALOC FAILED
Explanation: An internal error occurred during the initialization of an INCONTROL product. Initialization stops.
Corrective Action: Contact BMC Customer Support.

IOEEABE LOAD/LINK FOR MODULE modName FAILED
Explanation: The IOAENV module could not load the modName module. Initialization stops.
Corrective Action: Contact BMC Software Customer Support.

IOAEB1E ROUTINE rtn-name FAILED. RC=rc REASON=rsn
Explanation: The IOA/Control-M routine, rtn-name, failed with a return code of rc and a reason code of rsn.
When the rtn-name is CTMBAPI and the rc=8, refer to the explanation in message IOA723I for a complete list of all the reason codes and their meaning.
When the rtn-name is CTMBAPI and rc=4, and rsn=0 the meaning is that an internal request to the Control-M application interface program (CTMAPI) to Search for a specific job in the AJF failed because the job was not present in the AJF.
Corrective Action: Take action based on the rc and rsn. Contact BMC Customer Support if you are unable to determine an appropriate course of action.

Messages IOAF00 through IOAFxx
This group includes messages for the IOA (infrastructure) product.

IOAF00I UTILITY IOADBF STARTED
Explanation: This information message indicates that the IOADBF utility has started. The IOADBF utility allocates and formats an IOA Access Method file component primary or secondary extent.
Corrective Action: No action is required.

IOAF01I FORMATTING ENDED WITH RETURN CODE rc
Explanation: This information message indicates that the IOADBF utility ended with a return code of rc. Possible values of rc are listed in message CTD908S. The IOADBF utility terminates.
Corrective Action: If rc is not zero, check the IOA Log file and the system log for additional messages that describe the error. Correct the problem before rerunning the IOADBF utility.
IOAF01S INSUFFICIENT STORAGE FOR TRANSFER SUBTASK

Explanation: Insufficient storage to initialize the File Transfer task.
The file transfer task is not started.

Corrective Action: Increase the REGION size in the File Transfer monitor procedure. Stop and restart
the File Transfer monitor.

IOAF02E SPECIFIED NUMBER OF RECORDS IS NOT CORRECT. UNABLE TO
CONTINUE PROCESSING

Explanation: This message is issued in two cases:

- The IOADBF utility was unable to allocate an IOA Access Method file component. The number of
  blocks specified in the SPACE parameter of the IOA Access Method file Definition statements member
  is invalid.
- The IOADBF utility EXTEND function was unable to allocate an IOA Access Method file component.
  The number of secondary blocks is not specified in the SPACE parameter of the IOA Access Method
  file Definition statements member.

The SPACE parameter specifies the number of primary and secondary blocks to be allocated. Primary and
secondary SPACE parameter values must be a number from 2 through 65535. Database file definition
statements are usually located in a member of the IOA INSTWORK library.

The IOADBF utility terminates.

Corrective Action: Do the following:

1. Modify the DEFxxx member to allocate secondary blocks.
2. Allocate IOA Access Method file components by running the IOADBF utility twice, as follows:
   - the first time, with the FUNC parameter set to CHANGE
   - the second time, with the FUNC parameter set to EXTEND

For more information on the IOADBF utility, see the INCONTROL for z/OS Utilities Guide.

IOAF02S ERROR IN DYNALLOC FUNCTION: func rsn RC=rc

Explanation: The File Transfer monitor could not dynamically allocate a file to be transferred. The
function that failed, ALLOC, DEALLOC, or CONCATENATE, the reason code, and the return code from SVC
99 are displayed in the message.

The File Monitor continues processing other files.

Corrective Action: See the IBM manual MVS Programming: Authorized Assembler Services Guide for an
explanation of the reason code and return code in the message.

IOAF03I FILES ARE NOT TRANSMITTED. USER usr IPA=ipAdd

Explanation: This information message indicates that one or more files listed in the Active Transfer file
cannot be transmitted to the specified IP address.

The task continues processing other files. The status of the entry in the Active Transfer file is set to WAIT
TRANSMIT.
Corrective Action: Check if the server with the specified IP address is active.

IOAF03S INDEX FILE BLKSIZE AND LRECL MUST BE EQUAL. UNABLE TO CONTINUE PROCESSING

Explanation: The BLKSIZE and LRECL parameters specified in the IOA Access Method file Definition statements member for an IOA Access Method file index component are not equal. The logical record length and block size of IOA Database file index components must be equal. Database file Definition statements are usually located in a member of the IOA INSTWORK library.

The IOADBF utility terminates.

Corrective Action: Delete the LRECL parameter to set the logical record length to the value of the BLKSIZE parameter, and rerun the IOADBF utility.

IOAF04S UTILITY IOADBF UNABLE TO OPEN FILE. REFORMAT FAILED

Explanation: The IOADBF utility could not open an IOA Access Method (IAM) file component for reformatting. During reformatting of an IAM file index or data component, the IOADBF utility failed to open and read the file control record from the first extent.

The IOADBF utility terminates.

Corrective Action: Check the IOA Log file and system log for additional messages that describe the error. Correct the problem before rerunning the IOADBF utility.

IOAF05S ERROR IN OPENING SYSPRINT FILE. UTILITY IOADBF UNABLE TO CONTINUE PROCESSING

Explanation: This is one of two messages with the same ID, but different text.

The IOADBF utility could not open the SYSOUT file or the data set referenced by the SYSPRINT DD statement. The IOADBF utility encountered an error while opening the file referenced by the SYSPRINT DD statement. This file is used to write message output during utility execution.

The IOADBF utility terminates.

Corrective Action: Check the IOA Log file and system log for additional messages that describe the error. Correct the problem before rerunning the IOADBF utility.

IOAF05S text

Explanation: This is one of two messages with the same ID, but different text.

An error occurred during transmission of a file to the PC. The message text describes the reason for the problem.

The file is not transmitted.

Corrective Action: Correct the problem, and restart the File Transfer monitor.
IOAF06I FILES ARE TRANSMITTED OK FOR USER userName IPA=ipAddPort
FILE=fileName.CDM

Explanation: This information message indicates that the specified files were successfully transmitted to
the PC. The message specifies
- userName - the user name
- ipAddPort - the IP address and port
- fileName - the file name

Corrective Action: No action is required.

IOAF06S INSUFFICIENT STORAGE FOR RUNNING UTILITY IOADBF

Explanation: The IOADBF utility could not obtain the memory required for execution. The IOADBF utility
received a non-zero return code from macro GETMAIN.
The IOADBF utility terminates.

Corrective Action: Take the following steps:
1. Check the IOA Log file and system log for additional messages that describe the error
2. Correct the problem, or increase the REGION size
3. Rerun the IOADBF utility

IOAF07E INCONSISTENT PARAMETERS. UTILITY IOADBF UNABLE TO
CONTINUE PROCESSING

Explanation: The IOADBF utility detected inconsistent parameters for formatting an IOA Access Method
file in the member that contains the IOA Access Method definition statements. The parameters that were
passed to the IOADBF utility were not of the type required for formatting the file.
The IOADBF utility terminates.

Corrective Action: Take the following steps:
1. In the case of Control-M/Tape, verify that
   - DUAL was set to N
   - EXTEND was set to M
   - TYPE was not set to V
   - the SPACE parameter for this index file had no secondary allocation
2. In the case of Control-M/Analyzer, verify that
   - EXTEND was set to M, or was not set
   - TYPE was not set to V
   - BUFL was set to 0
   - the SPACE parameter had no secondary allocation
3. Correct the member that contains the IOA Access Method definition statements.
4. Rerun the utility.

**IOAF08S KEYLEN IS NOT DEFINED FOR INDEX FILE**

**Explanation:** The KEYLEN mandatory parameter was not specified in the IOA Access Method (IAM) file definition statements member for the IAM file index component being processed. The KEYLEN parameter is mandatory when allocating and formatting an IAM file index component. IAM file definition statements are usually located in a member of the IOA INSTWORK library.

The IOADB utility terminates.

**Corrective Action:** Set the value of the KEYLEN parameter to the value required for the IAM file index component being processed. Rerun the utility.

**IOAF09S REMOVE LRECL FROM THE INDEX FILE DEFINITION STATEMENTS MEMBER**

**Explanation:** The LRECL parameter is specified in the IOA Access Method (IAM) file definition statements member for the IAM file index component being processed. The internal structure of the Database file index component being processed requires that each block consist of one record. Therefore, the LRECL parameter is not applicable and may not be specified. IAM file definition statements are usually located in a member of the IOA INSTWORK library.

The IOADB utility terminates.

**Corrective Action:** Remove the LRECL parameter from the member. Rerun the program.

**IOAF0AI FILE TRANSFER STARTED. FOR USER userId IPA=ipAdd:port FILE=fileName.CDM**

**Explanation:** This information message is issued when the File Transfer monitor starts to transfer a package to the identified IP address.

The variables in this message are:

- **userId** - the identity of the user to whom the report belongs
- **ipAdd** - the IP address
- **port** - the port number
- **fileName** - the name of the file being transferred

**Corrective Action:** No action is required.

**IOAF0CI UNRECOVERABLE ERROR ENCOUNTERED.**

**Explanation:** During the operation of the File Transfer monitor, an unrecoverable error occurred when access was attempted to the Active Transfer file.

The File Transfer monitor shuts down.

**Corrective Action:** Contact your INCONTROL administrator.
IOAF0DS SECURITY VIOLATION IN THE FILE TRANSFER MONITOR.

**Explanation:** A serious error occurred while the File Transfer monitor was working. The transfer of the package was rejected by a security exit, or by User Exit 23.

Every transfer request is sent to both the security exit and the user exit, if they exist. Either exit can reject a transfer request.

The package is not transferred.

**Corrective Action:** If you consider that you ought to have authority to transfer the package, contact your INCONTROL administrator.

IOAF0EW ATF IS REFRESHED. SUBTASK IPA=IPaddress IS CLOSED.

**Explanation:** This warning message is issued when the transfer process fails because the status of the corresponding record in the ATF can not be updated. It can occur if a package, whose time has come for transfer, can not find the corresponding record in the ATF because it was reformatted and refreshed during the NEWDAY process.

CTDFTM continues to work and the subtask with the specified IP address is closed.

**Corrective Action:** If the package remains at the status NOT TRANSMITTED, reorder the package.

IOAF10S REMOVE KEYLEN FROM THE DATA FILE DEFINITION STATEMENTS MEMBER

**Explanation:** The KEYLEN parameter should not be specified in the IOA Access Method (IAM) file definition statements member for IAM file data components. Key fields are only applicable to IAM file index components. The KEYLEN parameter should not be specified for an IAM file data component. IAM file definition statements are usually located in a member of the IOA INSTWORK library.

The IOADBF utility terminates.

**Corrective Action:** Remove the KEYLEN parameter from the member. Rerun the program.

IOAF11S SET VALUE FOR PARAMETER TYPE TO I, F OR V

**Explanation:** The value specified for the TYPE parameter in the IOA Access Method (IAM) file definition statements member is invalid. Database file definition statements are usually located in a member of the IOA INSTWORK library.

Possible TYPE parameter values are:

- I - IAM file index components
- F - IAM file data components containing fixed length records
- V - IAM file data components containing variable length records

The IOADBF utility terminates.

**Corrective Action:** Specify a valid TYPE parameter in the member. Rerun the program.
IOAF12S QUANTUM IS NOT CORRECT IN THE DEFINITION STATEMENTS MEMBER

**Explanation:** The value specified for the QUANT1, QUANT2, or QUANT3 parameter in the IOA Access Method (IAM) file definition statements member for the IAM file component being processed is invalid. The QUANT1, QUANT2 and QUANT3 parameters are used with variable record length IAM file components for managing free space areas when new records are written. These parameters must correlate with the BLKSIZE parameter as follows:

\[ \text{QUANT1} < \text{QUANT2} < \text{QUANT3} < \text{BLKSIZE} \]

IAM file definition statements are usually located in a member of the IOA INSTWORK library.

The IOADBF utility terminates.

**Corrective Action:** The QUANT1, QUANT2, and QUANT3 parameters are for internal use only. Do not modify them without prior consent of BMC Software Customer Support. When appropriate values are approved, specify valid QUANT1, QUANT2, and QUANT3 parameters in the member, and rerun the utility.

IOAF13S BLKSIZE VALUE IS TOO SMALL

**Explanation:** The block size specified in the IOA Access Method (IAM) file definition statements member is less than the length of the control record of the IAM file component being processed. The BLKSIZE parameter of the IAM file definition statements member for the IAM file component being processed must not be less than the length of the control record of the component. IAM file definition statements are usually located in a member of the IOA INSTWORK library.

The IOADBF utility terminates.

**Corrective Action:** For IAM file components containing variable length records, change the relevant definition statements member to increase the BLKSIZE value or reduce the number of blocks specified in the SPACE parameter. For IAM file components containing fixed length records, the BLKSIZE parameter should be more than 255.

IOAF14S ERROR IN DYNALLOC OF DATABASE FILE RC=rc

**Explanation:** An attempt to dynamically allocate or deallocate an IOA Access Method (IAM) file component failed. IAM Database processing routines received a non-zero return code from an allocation or deallocation request using SVC 99. The data set name of the IAM file component is specified in message IOAF20S.

The IOADBF utility terminates.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* for a description of the return code and reason code received. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF15S ERROR IN OPENING DATABASE FILE

**Explanation:** During processing of an IOA Access Method (IAM) file index or data component, the IOADBF utility could not open and read the file control record from the first extent.

The IOADBF utility terminates.
Corrective Action: Check the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF16S ERROR IN READING CONTROL RECORD

Explanation: The IOADBF utility could not read an IOA Access Method (IAM) file component header record. During processing of an IAM file index or data component, an attempt to read the file control record from the first extent failed.

The IOADBF utility terminates.

Corrective Action: Check the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF17S ERROR IN UPDATE OF DB0 (CONTROL RECORD)

Explanation: The IOADBF utility could not update an IOA Access Method (IAM) file component control record. During processing of an IAM file index or data component, an attempt to update the file control record in the first extent failed.

The IOADBF utility terminates.

Corrective Action: Check the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF18S ERROR IN CLOSING DATABASE FILE

Explanation: The IOADBF utility could not close an IOA Access Method (IAM) file index or data component.

The IOADBF utility terminates.

Corrective Action: Check the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF19S parm PARAMETER IS NOT CORRECT

Explanation: An invalid parameter was passed to the IOADBF utility. A parameter specified in the IOA Access Method (IAM) file definition statements member or the FUNC parameter specified in the JCL procedure is invalid.

The IOADBF utility terminates.

Corrective Action: Set the parameter in error to a valid value. Rerun the program.

IOAF20S DATASET NAME: dsn

Explanation: A dynamic allocation or deallocation error occurred when processing data set dsn. This message indicates the name of the IOA Access Method (IAM) file component that could not be allocated or deallocated. The preceding IOAF14S message indicates the return code received from the allocation or deallocation request using SVC 99.
The IOADB utility terminates.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* for a description of the return code and reason code received. If the problem remains unresolved, contact BMC Software Customer Support.

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**IOAF21S SPECIFIED FILE NAME IS TOO LONG**

**Explanation:** The length of the name of the IOA Access Method (IAM) file component being processed exceeds the 44-character maximum for data set names. The IAM file component data set name includes the value assigned to the DSN parameter in the IAM file definition member, plus the data set extent number suffix appended automatically by IOA. IAM file definition statements are usually located in a member of the IOA INSTWORK library.

The program terminates.

**Corrective Action:** Set the DSN parameter to a value defined by 39 characters or less, and rerun the program.

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**IOAF22S OPENING OF PARAMETER LIST FAILED**

**Explanation:** During processing of an IAM file index or data component, an attempt to open and read the IAM file definition statements member failed. IAM file definition statements are usually located in a member of the IOA INSTWORK library.

The program terminates.

**Corrective Action:** Check the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

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**IOAF23S REQUESTED OPERATION IS RESTRICTED BY EXIT ROUTINE**

**Explanation:** Access was denied by IOA Access Method (IAM) allocation and formatting exit routine IOAX036. An attempt to allocate, format or extend an IAM file component was denied, because exit routine IOAX036 returned a non-zero return code.

The program terminates.

**Corrective Action:** If the executing program should have been granted access to process the IAM file, contact your system or security administrator for assistance.

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**IOAF24I INPUT PARAMETERS FOR THE FORMAT**

**Explanation:** This information message is the header for IOA Access Method (IAM) file definition statement parameter settings that follow.

Processing continues. IAM file definition statement parameter settings are displayed in message IOAF25I.

**Corrective Action:** No action is required.

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**IOAF25I parm**

**Explanation:** This information message displays the setting of an IOA Access Method (IAM) file definition statement parameter.

**Corrective Action:** No action is required.
IOAF26S INTERNAL ERROR. FILE FORMATTING FAILED

**Explanation:** An internal error occurred while attempting to format an IOA Access Method (IAM) file component. Formatting of an IAM file component could not be completed because an internal error was encountered by an IAM service routine.

The program terminates.

**Corrective Action:** Check the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF27S NUMBER OF RECORDS IN BLOCK IS MORE THAN 256.

**Explanation:** During formatting of an IOA Access Method Data File type F, the IOADBF utility issues this message when the number of records per block in the IOA Access Method Data File type F exceeds 256.

The IOADBF utility terminates.

**Corrective Action:** Correct the LRECL and BLKSIZE parameters in the corresponding member in the installation library to provide no more than 256 records per block in IOA Access Method Data File type F. Rerun the IOADBF utility.

IOAF2CS IOADBE: INVALID FUNCTION

**Explanation:** An internal error occurred in an IOA Access Method routine while processing an IOA Access Method file.

I/O request fails.

**Corrective Action:** Notify your INCONTROL administrator.

IOAF2DS IOADBE: INVALID BLKSIZE SUPPLIED

**Explanation:** An internal error occurred in an IOA Access Method routine while processing an IOA Access Method file.

I/O request fails.

**Corrective Action:** Notify your INCONTROL administrator.

IOAF2ES IOADBE: INVALID BUFFER ADDRESS SUPPLIED

**Explanation:** An internal error occurred in an IOA Access Method routine while processing an IOA Access Method file.

I/O request fails.

**Corrective Action:** Notify your INCONTROL administrator.

IOAF2FS IOADBE: TRKCALC FAILED. RC=rc

**Explanation:** Function TRKCALC returned a non-zero return code.

The I/O operation fails. Further action depends on the current IOA function.

**Corrective Action:** Contact BMC Software Customer Support.
IOAF30S IOADBE: TTR OUTSIDE FILE EXTENTS - rba

**Explanation:** An internal error occurred in an IOA Access Method routine while processing an IOA Access Method file. The I/O request fails.

**Corrective Action:** Notify your INCONTROL administrator.

IOAF31S IOADBE: I/O ERROR. CC: cc STAT: status SENSE: sense RESIDUAL COUNT: count

**Explanation:** An I/O error occurred while trying to access an IOA Access Method file. This message can be the result of a software or hardware error. The I/O operation fails. Further action depends on the current IOA function.

**Corrective Action:** Check if there are any hardware problems with the disk on which the IOA Access Method file resides. If the problem seems to be a software problem, contact BMC Software Customer Support.

IOAF40I DATABASE PRINT UTILITY STARTED

**Explanation:** This information message indicates that the IOADPT utility started. The IOADPT utility prints IOA Access Method (IAM) file component records in dump format.

**Corrective Action:** No action is required.

IOAF41I DATABASE PRINT UTILITY ENDED

**Explanation:** This information message indicates that the IOADPT utility ended.

**Corrective Action:** If the IOADPT utility ended with a non-zero return code, check the system log for additional messages that describe the error. Correct the problem before rerunning the IOADPT utility. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF42S INVALID INPUT STATEMENT stmt

**Explanation:** An invalid parameter or sequence of parameters was passed to an IOA Access Method (IAM) print the IOADPT utility. The IOADPT utility terminates.

**Corrective Action:** Correct the parameter or parameter sequence. Rerun the utility.

IOAF43S ERROR IN SYSPRINT OPENING

**Explanation:** The IOADPT utility could not open the SYSOUT file or the data set referenced by the SYSPRINT DD statement, which writes message output during program execution. The IOADPT utility terminates.

**Corrective Action:** Check the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.
IOAF44S OPERATION opn FAILED DUE TO INTERNAL ERROR IN IOADBS.
RC=rc

Explanation: An IAM service routine encountered an internal error while attempting to access an IOA Access Method (IAM) file component.

The utility terminates.

Corrective Action: Check the system log for additional messages that describe the error. Correct the problem before rerunning the utility. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF45S OPERATION opn FAILED DUE TO INTERNAL ERROR IN IOADBI.
RC=rc

Explanation: An IAM service routine encountered an internal error while attempting to access an IOA Access Method (IAM) file index component.

The utility terminates.

Corrective Action: Check the system log for additional messages that describe the error. Correct the problem before rerunning the utility. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF46E INVALID PARAMETER "FUNC"

Explanation: The FUNC parameter specified in the JCL procedure of the IOADPT utility is invalid.

Valid FUNC values are:

- 1 - Print IAM file index and data component records.
- 0 - Print IAM file index component records only.
- DB0 - Print IAM file data control record.

The IOADPT utility terminates.

Corrective Action: Set the FUNC parameter to a valid value, and rerun the utility.

IOAF47S PARAMETER ERROR. PARAMETERS ARE NOT SPECIFIED

Explanation: An empty parameter string was passed to the IOADPT program.

The IOADPT program terminates.

Corrective Action: Specify needed parameters, and rerun the program. Refer to the INCONTROL for z/OS Utilities Guide for more information.

IOAF48I NUMBER OF PROCESSED RECORDS WAS number

Explanation: This information message indicates the number of records printed by the IOADPT program.

The IOADPT program terminates.

Corrective Action: No action is required.
IOAF49W NO RECORDS WERE FOUND IN THE REQUESTED RANGE

**Explanation:** No record was found in the key range that the customer used.

The IOADPT program continues.

**Corrective Action:** Validate that the key range (set by parameters KEYFROM and KEYTO in job IOALOGXD in the IOA JCL library) are correct. If not, change them and resubmit the job.

IOAF70I database err descr - line 1

**Explanation:** Processing of an IOA Access Method (IAM) file component cannot be completed because an internal error was encountered by an IAM service routine. Messages IOAF70I and IOAF71I display information describing the internal error that occurred while attempting to process an IAM file component.

The program terminates. Additional diagnostic messages may precede or follow this message.

**Corrective Action:** Check the IOA Log or the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF71I database err descr - line 2

**Explanation:** Processing of an IOA Access Method (IAM) file component cannot be completed because an internal error was encountered by an IAM service routine. Messages IOAF70I and IOAF71I display information describing the internal error that occurred while attempting to process an IAM file component.

The program terminates. Additional diagnostic messages may precede or follow this message.

**Corrective Action:** Check the IOA Log or the system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

IOAF72W WARNING: PROBLEMS WITH DUAL DATABASE - USING MAIN DB ONLY

**Explanation:** Mirror database file is not identical to the main database file. If the database files have mirror files, during each database access request, IOA Access Method programs check that the main and mirror files are identical. If they are not, this message is issued, and only the main database file is used.

IOA Access Method uses only the main file.

**Corrective Action:** Reformat the mirror database file, and copy the main database file into it, using the IOADCPY utility.

IOAF74E NO MEMORY FOR ERROR MESSAGE ROUTINE HANDLE - ERROR MESSAGE IS NOT PRODUCED

**Explanation:** An attempt to obtain storage for message edit processing failed because not enough memory was available to edit and issue an error message from the IOA Access Method.

Processing continues if the unissued message was for a noncritical event.

**Corrective Action:** Increase the REGION size. If the problem remains unresolved, contact BMC Software Customer Support.
IOAF80I XCF COMMUNICATION IS ACTIVE, GROUP=grp, MEMBER=mem

Explanation: This information message indicates that XCF communication is supported under this implementation of Control-O. Control-O is joined to the grp XCF group as member mem.

Corrective Action: No action is required.

IOAF82S IOAXCF ACTION xcf_cmd FAILED. RC=rc, RSN=rsn

Explanation: An error was detected while issuing XCF command xcf_cmd. The return code is rc. The reason code is rsn.

Possible values of xcf_cmd and the XCF macro indicated by each:
- QUERY - IXCQUERY macro
- JOIN - IXCJOIN macro
- SEND - IXCMSGO macro
- LEAVE - IXCLEAVE macro

Return code rc and reason code rsn are documented separately for each XCF macro in the IBM manual MVS Programming: Authorized Assembler Services Guide.

Corrective Action: Fix the problem according to the specific xcf_cmd/XCF MACRO.

IOAF83I IOAXCF-GUI MODULE NOT ACTIVATED

Explanation: This information message indicates that Control-O did not initialize the XCF Group User Interface module under the current installation.

Corrective Action: No action is required.

IOAF84E STORAGE ALLOCATION FOR COMMUNICATION FAILED, MODULE modName RC=rc

Explanation: During initialization of the modName communication module, storage allocation for the Control-O communication facility failed because the communication component could not obtain sufficient working storage for processing. The return code rc is obtained from register R15 of the STORAGE OBTAIN macro.

XCF communication is not activated. Processing continues.

Corrective Action: Check current memory usage for unknown problems. Based on the return code, fix the problem and restart Control-O to activate XCF support.

IOAF85I IOAXCF-SUI MODULE NOT ACTIVATED

Explanation: This information message indicates that the XCF Statistic User Interface module was not activated. During its initialization, Control-O did not initialize the Statistic User Interface.

Corrective Action: No action is required.
IOAF86E IOAXCF CANNOT INITIALIZE WITHOUT MUI MODULE- modName

Explanation: Control-O attempted to initialize the XCF Message User Interface (MUI) module and failed. In this message, modName is the name of the Message User Interface module that Control-O attempted to initialize.

XCF support is not activated.

Corrective Action: Verify that the modName MUI module is in the STEPLIB. Restart the last XCF operation. If the problem persists, contact BMC Software Customer Support.

IOAF87I XCF COMMUNICATION IS DOWN, GROUP=grp, MEMBER=memName

Explanation: This information message indicates that Control-O communication by means of XCF is down. The memName Control-O XCF member from the grp group is down.

Corrective Action: No action is required.

IOAF88S IOAXCF INTERNAL ERROR OCCURRED.RC=g_rc,RET=s_rc, RSN=rsn

Explanation: During XCF processing, Control-O detected an internal error. The IOAXCF module failed with general return code g_rc, specific return code s_rc, and reason code rsn.

Corrective Action: Restart the last XCF operation. If the problem persists, contact BMC Software Customer Support.

IOAF91E ERROR DURING PROCESSING

Explanation: The IOA housekeeping routine found an unexpected error during one of its cycles. The Control-O or CMEM monitor terminates. Other monitors may behave differently.

Corrective Action: Use earlier messages to determine the cause of the failure.

IOAF95S ERROR WHILE PROCESSING REQUESTS

Explanation: The XES housekeeping routine found an error while it was either processing a request that was queued by an XES exit, or while it was checking an XES control block. The XES housekeeping routine processes requests that are queued by asynchronous execution of XES SRB exits.

The Control-O or CMEM monitor terminates. Other monitors may behave differently.

Corrective Action: Send the sysout files for your monitor to BMC Software Customer Support.

IOAF96S INTERNAL ERROR

Explanation: An internal error occurred during internal chaining. An internal chaining mechanism queues requests as they pass from one component to another, for example, from SRB exits from XES to the housekeeping task. This mechanism detected an internal error that may result from a programming error.

The Control-O or CMEM monitor terminates. Other monitors may behave differently.

Corrective Action: Send the SVCDUMP of the address space issuing the message and the sysout files for your monitor to BMC Software Customer Support for analysis.
IOAFA0I XES HOUSEKEEPING TASK STARTED

Explanation: This information message indicates that Control-O or CMEM started initialization of the subtask that performs XES housekeeping.

Corrective Action: No action is required.

IOAFA1E XES HOUSEKEEPING ERROR DURING PROCESSING

Explanation: The subtask of Control-O or CMEM that performs XES housekeeping found an unexpected error during one of its cycles.
Both the subtask and Control-O or CMEM terminate.

Corrective Action: Use earlier messages to determine the cause of the failure.

IOAFA2I XES HOUSEKEEPING TASK ENDED

Explanation: This information message indicates that Control-O or CMEM finished initializing the subtask that performs XES housekeeping.

Corrective Action: No action is required.

IOAFB1I IOACMI STARTED

Explanation: This information message indicates that the IOA initialization routine started initializing XES activities, and is currently in control.

Corrective Action: No action is required.

IOAFB2I IOACMI ENDED

Explanation: This information message indicates that the IOA initialization routine stopped initializing XES activities. It does not indicate whether or not all activities were completed successfully.
The routine that initializes XES activities passes control back to the caller.

Corrective Action: No action is required.

IOAFB3S IOACMI RECEIVED AN INVALID PARAMETER LIST

Explanation: The IOA initialization routine for XES activities received an invalid list of parameters from the caller.
The Control-O or CMEM monitor terminates. Other monitors may behave differently.

Corrective Action: Send the sysout files for your monitor to BMC Software Customer Support for analysis.

IOAFB4E IOACMI - NOT ENOUGH STORAGE

Explanation: The IOA initialization routine for XES failed to get enough storage space. The routine could not GETMAIN one of the chunks of storage needed to process the XES request.
The Control-O or CMEM monitor terminates. Other monitors may behave differently.
Corrective Action: Review calculations of storage requirements for Control-O or CMEM (private, E/CSA). If you cannot find the problem, send the sysout files for your monitor to BMC Software Customer Support for analysis.

IOAFB5E IOACMI - PROBLEM INITIALIZING XES AUTOEDIT SUPPORT

Explanation: The IOA initialization routine for XES failed to get enough resources for the XAE (SYSPLEX-wide AutoEdit) facility of Control-O or CMEM. Initialization of the XAE facility requires resources, such as storage, programs and calculations.

The Control-O or CMEM monitor terminates.

Corrective Action: Use earlier messages to determine the cause of the failure.

IOAFB6E IOACMI - PROBLEM CONNECTING XES STRUCTURES RELATED TO AUTOEDIT (XAE)

Explanation: Connection to one of the required XAE structures produced a nonzero return code. A list, a cache, and a lock structure must be allocated for the XAE (SYSPLEX-wide AutoEdit) facility on Coupling facility units. This error indicates that one of these structures could not be allocated or connected.

The Control-O or CMEM monitor terminates.

Corrective Action: Check the following:
- The definition of the structures in the CFRM.
- The space allocated for each structure.
- The contents of the IOAPLEX member.
- The number of XAE databases in the DAGBLST member of CTO prefix.PARM or in the IOAGLBVL member of IOA prefix.IOAENV and the contents of each database.

IOAFB7E IOACMI - PROBLEM TERMINATING XES STRUCTURES RELATED TO AUTOEDIT (XAE)

Explanation: Disconnection from one of the required XAE structures produced a nonzero return code. A list, a cache, and a lock are allocated for the XAE (SYSPLEX-wide AutoEdit) facility on Coupling facility units. This error indicates that one of these structures could not be released or disconnected.

The Control-O or CMEM monitor continues with its other actions, without performing the action that caused this error.

Corrective Action: Check the messages that precede this error. If you cannot find the problem, send the sysout files for your monitor to BMC Software Customer Support for analysis.

IOAFB8E IOACMI - PROBLEM ESTABLISHING RESOURCE MANAGERS

Explanation: The RESMGR service macro of MVS produced a nonzero return code. XES requires MVS resource managers to protect the system from unexpected EOT or EOM events before disconnection from structures is completed.

The Control-O or CMEM monitor terminates.
**Corrective Action:** Send the sysout files for your monitor to BMC Software Customer Support for analysis.

**IOAFB9E IOACMI - PROBLEMS DURING TERMINATION OF XES**

**Explanation:** Termination of XES facilities produced an error. Some resources, such as programs or memory, could not be released.

Termination of XES facilities stops. The Control-O or CMEM monitor continues with its other actions.

**Corrective Action:** Send the sysout files for your monitor to BMC Software Customer Support for analysis.

**IOAFBAE CONNECT TO STRUCTURE structureName FAILED. REASON: rsn**

**Explanation:** Control-O or CMEM failed to connect to the structure.

Control-O or CMEM fails to start.

**Corrective Action:** Check the reason in the message to see why the connection failed, and whether this can be solved by changes to the CF or IOA parameters. If not, contact BMC Software Customer Support for assistance.

**IOAFBBI CONNECT TO STRUCTURE structureName WILL BE RETRIED.**

**Explanation:** This information message indicates that Control-O or CMEM failed to connect to the structure because a system-managed process is currently in progress.

Control-O or CMEM waits for a short time and tries to connect again. After 10 retries, Control-O or CMEM ends.

**Corrective Action:** If Control-O or CMEM ends, and there is a system-managed process in progress, wait until it ends and start Control-O or CMEM. Otherwise, contact BMC Software Customer Support for assistance.

**IOAFBBW CONNECT TO STRUCTURE structureName IS TEMPORARILY PREVENTED BY XES**

**Explanation:** This message indicates that Control-O or CMEM failed to connect to the structure because a system-managed process is currently in progress.

Control-O or CMEM issues message IOAFBCW and waits until the structure becomes available, or the operator responds to message IOAFBCW.

**Corrective Action:** See message IOAFBCW.

**IOAFBCW monitor IS WAITING UNTIL CONNECT IS ALLOWED. TO CANCEL THE WAIT REPLY 'CANCEL'**

**Explanation:** This message follows message IOAFBBW and lets the operator decide whether to let Control-O or CMEM wait until the structure is available, or cancel Control-O or CMEM and start it later.

If the operator replies CANCEL, Control-O or CMEM will terminate. Otherwise, Control-O or CMEM waits for the structure to become available, connects to the structure and continues the initialization process.
Corrective Action: Check the status of Control-O or CMEM structures and the status of the coupling facility to determine the reason why the connection was prevented. Decide whether to reply CANCEL, or let Control-O or CMEM wait until the structure is available.

IOAFBDW ENFREQ LISTEN/DELETE FOR EVENT 35 FAILED WITH RC X'rc'

Explanation: The ENFREQ LISTEN or DELETE request for event 35 failed. If LISTEN failed, Control-O or CMEM will not be able to wait after connection to a structure is prevented, to be notified when the structure becomes available for connection.

For the LISTEN request, if connection to the XAE structures is allowed, Control-O or CMEM will work normally. If connection to the XAE structures is prevented, Control-O or CMEM will not wait to be notified when the structure is available, but will fail. For the DELETE request, Control-O or CMEM will continue to work normally.

Corrective Action: Contact BMC Software Customer Support for assistance.

IOAFE1I STRUCTURE structureName IS UNAVAILABLE DUE TO SYSTEM-MANAGED REBUILD

Explanation: This information message indicates that a system-managed rebuild started for the structureName structure. Requests issued for this structure will be deferred until the system-managed rebuild ends, and the structure becomes available again. This will cause delays in accesses to IOA Global variables.

Corrective Action: No action is required.

IOAFE2I SYSTEM-MANAGED REBUILD ALLOCATED STRUCTURE structureName IN COUPLING FACILITY cfname

Explanation: This information message indicates that the structureName structure created by the system-managed rebuild was allocated on the cfname coupling facility.

Corrective Action: No action is required.

IOAFE3I STRUCTURE structureName IS AVAILABLE

Explanation: This information message indicates that the system-managed rebuild or duplex rebuild finished processing the structure, and it is available again. Requests to the structure will be processed by XES.

Corrective Action: If this message is preceded by message IOAF2EI or IOAF5I, the system-managed process ended successfully. Otherwise, the system-managed process was stopped or failed. See the system log (syslog) for details about the system-managed process.

IOAFE4I STRUCTURE structureName IS UNAVAILABLE DUE TO SYSTEM-MANAGED DUPLEX REBUILD

Explanation: This information message indicates that the system-managed duplex rebuild started for this structure. Requests issued for this structure will be deferred until the system-managed duplex rebuild ends and the structure becomes available again. This will cause delays in accesses to IOA Global variables.
Corrective Action: No action is required.

IOAFE5I STRUCTURE structureName IS IN mode MODE
Explanation: This information message provides information about the structure mode. The message is issued when:
- Control-O or CMEM connects to a structure that is duplexed. Mode will be DUPLEX.
- System-managed duplex rebuild was performed for the structure. Mode will be DUPLEX.
- System-managed duplexing was stopped for the structure. Mode will be SIMPLEX. In this case, this message should be preceded by message IOAFE6W.

Corrective Action: No action is required.

IOAFE6W SYSTEM-MANAGED DUPLEXING HAS BEEN STOPPED FOR STRUCTURE structureName
Explanation: System-managed duplexing was stopped for this structure. There are several instances when structure duplexing is stopped:
- The operator issued the SETXCF STOP,REBUILD,DUPLEX... MVS command for the structure.
- The structure definition was changed to DUPLEX (DISABLED).
- Connection to one of the coupling facilities holding a version of the structure was lost.

Corrective Action: If duplexing is required for this structure, check the system log for messages explaining why duplexing was stopped, and act accordingly.

IOAFE7W STRUCTURE structureName IS UNAVAILABLE DUE TO *UNKNOWN* PROCESS (code)
Explanation: The structureName structure is unavailable, but the reason is unknown. Requests for this structure will not be honored by XES until the structure becomes available again.

Corrective Action: Contact BMC Software Customer Support for assistance.

IOAFE8E RESPONSE TO EVENT eventCode FOR STRUCTURE structureName FAILED. REASON: rsn
Explanation: Control-O or CMEM failed to respond to an XES event. Detailed information is written to DATTRACE.

Corrective Action: If the error causes problems in the interface to XES, restart Control-O or CMEM. Contact BMC Software Customer Support for assistance.

Messages IOAG00 through IOAGxx
This group includes messages for the IOA (infrastructure) product.
**IOAG001I UTILITY IOADCPY STARTED**

**Explanation:** This information message indicates that the IOADCPY utility has started.

**Corrective Action:** No action is required.

**IOAG01E ERROR OPENING SYSPRINT FILE. UTILITY IOADCPY UNABLE TO CONTINUE PROCESSING**

**Explanation:** The IOADCPY utility was unable to open the syprint file. The IOADCPY utility terminates with a return code of 4.

**Corrective Action:** Check that the SYSPRINT DD statement exists in the IOADCPY procedure in the PROCLIB library, and that the syprint file is correctly specified in it. Rerun the IOADCPY utility.

**IOAG02E UTILITY IOADCPY UNABLE TO OPEN INPUT FILE**

**Explanation:** The IOADCPY utility was unable to open the input file. The IOADCPY utility terminates with a return code of 8.

**Corrective Action:** Check that the DAIN DD statement exists in the IOADCPY procedure in the PROCLIB library, and that it references the undamaged file. Rerun the IOADCPY utility.

**IOAG03E INVALID IOA NAME**

**Explanation:** The file referenced by the DAIN DD statement was not an IOA Access Component file. The name of the file as it appears in the block of the file is not a valid name for an IOA Access Method file. The IOADCPY utility terminates with a return code of 12.

**Corrective Action:** Correct the DAIN DD statement in the IOADCPY procedure in the PROCLIB library to reference a file that is the IOA Access Method file. Rerun the IOADCPY utility.

**IOAG04E SPECIFIED FILE NAME IS TOO LONG**

**Explanation:** The name of the file referenced by DAIN DD statement was too long. The IOADCPY utility terminates with a return code of 16.

**Corrective Action:** Correct the file name referenced by the DAIN DD statement in the IOADCPY procedure in the PROCLIB library, and rerun the IOADCPY utility.

**IOAG05E ERROR IN DYNALLOC OF FILE RC=rc**

**Explanation:** The IOADCPY utility could not dynamically allocate a file. This message is followed by message IOAG06I that details the file name. The return code specified in the message is that returned by SVC 99.

The IOADCPY utility terminates with a return code of 20.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* for a description of the reason of return codes received. After correcting the problem, rerun the utility.
IOAG06I FILE NAME: fileName

**Explanation:** This information message details the name of the file that the IOADCPY utility could not dynamically allocate. This message follows message IOAG05E informing of the dynamic allocation error.

**Corrective Action:** No action is required.

IOAG07E UTILITY IOADCPY ENDED WITH ERRORS

**Explanation:** The IOADCPY utility ended after detecting one or more errors. This message follows a message or messages that detail the errors that occurred.

**Corrective Action:** Check for previous messages and correct the problem accordingly. Rerun the IOADCPY utility.

IOAG08I UTILITY IOADCPY ENDED SUCCESSFULLY

**Explanation:** This information message indicates that the IOADCPY utility ended without errors.

**Corrective Action:** No action is required.

IOAG09E INSUFFICIENT STORAGE FOR RUNNING UTILITY IOADCPY

**Explanation:** The IOADCPY utility could not obtain sufficient storage to run.
The IOADCPY utility terminates with a return code of 28.

**Corrective Action:** Increase the REGION size for the IOADCPY utility and rerun it.

IOAG0AE UTILITY IOADCPY UNABLE TO OPEN OUTPUT FILE

**Explanation:** The IOADCPY utility could not open the input file.
The IOADCPY utility terminates with a return code of 8.

**Corrective Action:** Check for messages in the sysout of the IOADCPY utility and in the system log, and correct accordingly. Rerun the IOADCPY utility.

IOAG0BI IOA ACCESS METHOD COMPONENT FILE IN USE

**Explanation:** The IOADCPY utility discovered that the IOA Access Method file to be used to restore the damaged file was in use.
The IOADCPY utility waits until the file becomes free.

**Corrective Action:** No action is required.

IOAG0CE UNIT NAME SUPPLIED IS INVALID.

**Explanation:** The unit name supplied as a parameter to the IOADCPY utility is invalid.
The dynamic allocation of the IOA Access Method file fails and the IOADCPY utility terminates with an error.

**Corrective Action:** Check the input parameters to the utility. See the IOAG05E message that follows this error message for the dynamic allocation return code. Correct the parameters accordingly, and rerun the utility.
Messages IOAI00 through IOAIxx
This group includes messages for the IOA (infrastructure) product.

IOAI01E ProdName1 cannot be set to Y unless ProdName2 was set to Y

**Explanation:** Product ProdName1 is dependent on product ProdName2. Therefore, ProdName1 cannot be installed unless ProdName2 is also installed.

**Corrective Action:** First set ProdName2 to Y and then set ProdName1 to Y.

IOAI02E The STEPLIB parameter was set to a non library (PDS) file

**Explanation:** The specified Load library dsname is not a PDS or PDSE library.

**Corrective Action:** Check the file and make sure it is a partitioned data set.

IOAI03E The STEPLIB library that was set does not exist

**Explanation:** The specified Load library dsname has not been allocated.

**Corrective Action:** Check the file and make sure it is allocated and populated.

IOAI04E The STEPLIB library RECFM is not "U"

**Explanation:** The specified Load library dsname has a record format that is not U.

**Corrective Action:** Check the file and make sure that attribute U has been allocated in the RECFM parameter.

IOAI05E The STEPLIB library that was set is empty

**Explanation:** The specified Load library is empty.

**Corrective Action:** Check that the specified Load library exists. If it does, check why the library is empty.

IOAI06E The reference Library is not found or unavailable: datasetName

**Explanation:** The specified datasetName reference library dsname does not exist or is unavailable for processing.

**Corrective Action:** Check the file and make sure it is allocated and is available for processing.

IOAI07E Base library prefix can not be one qualifier only

**Explanation:** The specified BASE library prefix has only one qualifier.

**Corrective Action:** The BASE library prefix must have at least two qualifiers.

IOAI08E Low level qualifier of Base library prefix MUST be BASE

**Explanation:** The specified low level qualifier of the BASE library prefix is not BASE.

**Corrective Action:** Change the low level qualifier to BASE.
IOAI09E ICELOG data set *DsName* is missing

**Explanation:** ICE or a utility failed to allocate the *DsName* data set in *ilprefa.ICELOG*. As a result, messages cannot be written to ICELOG.

**Corrective Action:** If the data set does not exist, allocate a new ICELOG data set. If it does exist, but it is in use, release it. Then run the tool again.

IOAI0AE Failed to *Action* *DsName*

**Explanation:** ICE or a utility failed to perform the specified *Action* on the *DsName* data set. The *Action* can be one of the following:

- allocate
- write to
- read from

**Corrective Action:** Check that the *DsName* data set exists and is available for performing the specified *Action*.

IOAI0BE Failed to *Action* the table *TblName*

**Explanation:** ICE or a utility failed to perform the specified *Action* on the *TblName* table. The *Action* can be one of the following:

- open
- create
- get from
- skip
- add to
- put into
- update
- save
- close

**Corrective Action:** Check that the *TblName* table is available for performing the specified *Action*.

IOAI0CE Invalid parameter *ParmName*

**Explanation:** The value of the parameter *ParmName* is invalid.

**Corrective Action:** Change the value of the parameter *ParmName* to a valid value. Refer to the ICE Online Help or the *INCONTROL for z/OS Installation Guide: Installing* for information regarding the valid values for the *ParmName* parameter.

IOAI0DE One of Cloning tools is already running

**Explanation:** An instance of one of the cloning tools is already running.
Corrective Action: Wait until the running instance of the cloning tool terminates before invoking the cloning tool.

IOAI0EE Failed to Action the Characteristic of ParmName

Explanation: ICE or a utility failed to perform the specified Action on the Characteristic of the ParmName parameter.

The Action can be one of the following:
- get
- update

The Characteristic can be one of the following:
- value
- description

Corrective Action: Check that the utility is invoked according to the information provided in the INCONTROL for z/OS Utilities Guide.

IOAI0FE The environment EnvId does not exist

Explanation: ICE or a utility failed to locate the EnvId environment.

Corrective Action: Check that the specified EndId environment exists. If the message is issued by a utility, check that the utility is invoked according to the information provided in the INCONTROL for z/OS Utilities Guide and the value of the ENVID parameter for the utility is correct.

IOAI0GE The environment origin must be EPD

Explanation: The origin of specified environment is not EPD.

Corrective Action: Check that the specified environment origin is EPD. If the message is issued by a utility, check that the utility is invoked according to the information provided in the INCONTROL for z/OS Utilities Guide and the value of the ENVID parameter for the utility is correct.

IOAI0HW Invalid syntax at the line LineNum

Explanation: The file-based Express Installation process failed because of a syntax error in the LineNum line of the input member.

Corrective Action: Fix the syntax error in the LineNum line of the input member of the file-based Express Installation. For more detailed information, please refer to the "Express Install" chapter in the INCONTROL for z/OS Installation Guide: Installing.

IOAI0II Checking the parameter ParmName

Explanation: ICE or a utility checks the validity of the ParmName parameter.

Corrective Action: No action is required.
IOAI0J \ ParmName = \ ParmValue

**Explanation:** ICE or a utility assigns the \ ParmValue value to the \ ParmName parameter.

**Corrective Action:** No action is required.

IOAI0KI \ Action Entity Direction Name

**Explanation:** ICE or a utility performs an I/O operation.

The \ Action can be one of the following:

- reading
- writing

The \ Entity can be one of the following:

- parameters
- definitions

The \ Direction can be one of the following:

- to
- from

The \ Name is the name of a data set, or a data set and a member.

**Corrective Action:** No action is required.

IOAI0LE \ ExecName can run only in the TSO/ISPF environment

**Explanation:** The \ ExecName EXEC was invoked in an incompatible system environment.

**Corrective Action:** Invoke the \ ExecName EXEC in the TSO/ISPF environment.

IOAI0ME \ ExecName should be invoked from the IOA INSTALL library

**Explanation:** The \ ExecName EXEC was invoked in an inappropriate library.

**Corrective Action:** Invoke the \ ExecName EXEC from the IOA INSTALL library.

IOAI0NE Failed to establish TSO ALTLIB \ DsName

**Explanation:** ICE or a utility failed to allocate the \ DsName data set.

**Corrective Action:** Check that the \ DsName data set exists and it is the IOA LOAD library.

IOAI0OI \ The exec \ ExecName terminated with RC= \ RetCode

**Explanation:** \ ExecName EXEC terminated with a return code of \ RetCode.

**Corrective Action:** No user response is required if \ RetCode is zero. If it is not, please refer to the \ INCONTROL for z/OS Utilities Guide for further information regarding the return codes of the \ ExecName utility.
IOAI0PE Failed to create the member MemName
Explanation: ICE or a utility failed to create the ilprefa.INSTWORK(MemName) member.
Corrective Action: Compress the ilprefa.INSTWORK data set and ensure that the ilprefa.INSTWORK(MemName) member is not open. Then rerun the utility.

IOAI0QI The exec ExecName started
Explanation: The ExecName EXEC was invoked and the execution started.
Corrective Action: No action is required.

IOAI0RI The member MemName created
Explanation: The MemName member was created by ICE or a utility.
Corrective Action: No action is required.

IOAI0SW Used space is over nn% in DsName
Explanation: The Renaming tool failed to write to the DsName data set, because the data set is almost full.
Corrective Action: Free some space in the data set or enlarge the data set. Compress the data set and rerun the Renaming tool.

IOAI0TE ENVID value is not specified
Explanation: The value of the mandatory ENVID parameter is not specified.
Corrective Action: Specify the value of the mandatory ENVID parameter.

IOAI0UW The parameter ParmName is ignored
Explanation: The value of the superfluous ParmName parameter is ignored.
Corrective Action: No action is required.

IOAI0VE Failed to identify the data set DsName
Explanation: The Renaming tool failed to identify the DsName data set which is specified in the ilprefa.INSTWORK(IOACDDSL) Data Set List.
Corrective Action: Fix the ilprefa.INSTWORK(IOACDDSL) Data Set List and rerun the Renaming tool.

IOAI0WI Processing data set DsName
Explanation: The Renaming tool is processing the DsName data set.
Corrective Action: No action is required.
**IOAI0XI  Setting up *Prod***

**Explanation:** The Renaming tool is setting up the *Prod* product.

**Corrective Action:** No action is required.

**IOAI0YE  Failed to *Action* *Prod***

**Explanation:** The Renaming tool failed to perform the *Action* operation on the *Prod* product.

The *Action* can be one of the following:
- setup
- post-done

**Corrective Action:** Please examine the messages in the *ilprefa*.ICELOG data set to identify the reason of the failure.

**IOAI0ZI  Data set *DsName* already exists**

**Explanation:** The Renaming tool is invoked with the parameter MODE(ALLOC) and the *DsName* data set is listed in the *ilprefa*.INSTWORK(IOACDDSL) Data Set List. The tool will not allocate the *DsName* data set because the data set already exists.

**Corrective Action:** No action is required.

**IOAI10E  OPTION R IS INVALID, SINCE THE REFERENCE ENVIRONMENT WAS NOT SPECIFIED**

**Explanation:** Specifying the R option for the capacity of a product refers the installation to the reference environment. If no reference environment was specified, the R option is meaningless.

**Corrective Action:** Specify the capacity using an available option or specify the reference environment.

**IOAI11E  SMP/E data sets are not exclusively owned by this IOA**

**Explanation:** The SMP/E CSI of this IOA environment contains other (non-INCONTROL) products, or other IOA instances. SMP/E Enabled IOA Cloning is not supported in this case.

**Corrective Action:** For more information, see the Limitations section of the "Cloning an IOA environment" chapter in the INCONTROL for z/OS Installation Guide: Installing.

**IOAI12E  SMP/E Cloning can be done using ICE only.**

**Explanation:** Cloning can only be performed using ICE.

**Corrective Action:** Perform the cloning from ICE.

**IOAI20E  ECAPARMx validation error message**

**Explanation:** Where *ECAPARMx validation error message* can be one of the following:
Application Appl cannot share a channel with application C
Application Appl cannot share a channel with application F
Application C cannot share its channel with other applications
Application F cannot share its channel with other applications
Application F must have TCP protocol
Applications D, F must have MULTCONN channel
Channel ChanID is not used by any application
Channel ChanID not defined for APPL Appl
Control-M (M) must have TCP DUALCONN channel
Control-M/CM COMTASK should be left null or set to 1
Control-M/CM must have TCP MULTCONN channel
Control-M/CM UPERTASK should be left null or set to 1
Control-O (O) must have MULTCONN channel
Errors found. ECAPARMx was not built
Join of applications is not supported. APPL = Appl
Mixed TCP vendors. Channel: TCPVendor ChanID - Channel: TCPVendor ChanID
No application was defined
No channel was defined
Only one Control-M (M) allowed in ECAPARM
Only one Control-M/CM allowed in ECAPARM
Only one Control-O (O) allowed in ECAPARM
Only one PATROL (P) allowed in ECAPARM
PATROL (P) must have TCP MULTCONN channel
The APPLID Appl in channel ChanID is already used
The channel ChanID must have Node and Map parameters
The port PortNum in channel ChanID is already used
Corrective Action: Correct the problem and run the Renaming tool again.

IOAI21I Renaming tool informative message
Explanation: Where Renaming tool informative message can be one of the following:
- Active Balancing File Space Calculation
- Activity File Space Calculation
- Adjust CTV members in CTD JCL data set
- Adjust members in CTD SKL data set
- Build ECAPARMC
- Build ECAPARMD for APPL=(D)
- Build ECAPARMD for APPL=(F)
- Build ECAPARMM
- Build the IOAKPRM parameters member
- Build the IOARULES member
- Build the IOASPRM parameters member
- Build the IOAXPRM parameters member
- Build the SECPARM member
- Copy \textit{Prod} procedures
- Copy \textit{Prod} started tasks
- Format IOA Data Base
- Group File Space Calculation
- IOA Log File Space Calculation
- Media Database Space Calculation
- Post-clone \textit{Prod}
- Report File Space Calculation
- Resolve \textit{Prod} libraries
- Save Parameters
- Space Calculation for ACTive User File
- Space Calculation for Columns File
- Space Calculation for Databases File
- Space Calculation for HiSTory User File
- Space Calculation for MIGrated User File
- Space Calculation for PeRManent User File
- Space Calculation for Variables File
- Stacking Database Space Calculation
- Trace File Space Calculation
- Update Global Index File parameters
Validate *Prod* parameters

- Vars Definition File Space Calculation
- Vars Generations File Space Calculation

**Corrective Action:** No action is required.

**IOAI22E** Failed to process data set *DsName*

**Explanation:** The Renaming tool failed to process the *DsName* data set.

**Corrective Action:** Examine the informative message IOAI23I that follows to obtain more information about how to correct the problem.

**IOAI23I Renaming tool informative message**

**Explanation:** This informative message can be issued either independently or following the IOAI22E error message, providing more detailed information about the failure. The Renaming tool informative message can be one of the following:

- RC= Rc Routine
- The job *JobName* *(JobID)* failed

(Only issued when the failure was caused by a job.)

**Corrective Action:** If necessary, make the necessary correction, using the information provided, and run the Renaming tool again.

**IOAI25E Renaming tool error message**

**Explanation:** Where Renaming tool error message can be one of the following:
- Active Balancing File Space Calculation Failed
- Activity File Space Calculation Failed
- Failed to Adjust CTV members in CTD JCL data set
- Failed to Adjust members in CTD PARM data set
- Failed to Adjust members in CTD SKL data set
- Failed to Build ECAPARMC
- Failed to Build ECAPARMD for APPL=(D)
- Failed to Build ECAPARMD for APPL=(F)
- Failed to Build ECAPARMM
- Failed to build the IOAKPRM parameters member
- Failed to build the IOARULES member
- Failed to Build the IOASPRM parameters member
- Failed to build the IOAXPRM parameters member
- Failed to build the SECPARM member
- Failed to copy *Prod* procedures
- Failed to copy *Prod* started tasks
- Failed to Format IOA Data Base
- Failed to save Parameters
- Failed to Update Global Index File parameters
- Group File Space Calculation Failed
- IOA Log File Space Calculation Failed
- Media Database Space Calculation Failed
- Report File Space Calculation Failed
- Space Calculation for ACTive User File Failed
- Space Calculation for Columns File Failed
- Space Calculation for Databases File Failed
- Space Calculation for HiSTory User File Failed
- Space Calculation for MIgrated User File Failed
- Space Calculation for PeRManent User File Failed
- Space Calculation for Variables File Failed
- Stacking Database Space Calculation Failed
- Trace File Space Calculation Failed
- Vars Definition File Space Calculation Failed
Vars Generations File Space Calculation Failed

**Corrective Action:** Correct the problem and run the Renaming tool again.

**IOAI26W** *DataSetName (MemberName)*

**Explanation:** The format of the member differs in the two versions of IOA involved in the Express Upgrade process.

**Corrective Action:** Continue with the Express Upgrade. After performing the “Complete the Upgrade” step, check that no problems exist with the functionality of the products. If there are no problems, the message can be ignored and no further action is required.

**IOAI27E** Renaming tool cannot be invoked in this environment when the **MODE** is different from ALLOC

**Explanation:** The message is issued when the Renaming Tool is invoked on the base environment with the **MODE**=FULL or **MODE**=ADJUST.

**Corrective Action:** Set the **MODE** to ALLOC and then invoke the Renaming tool.

**Messages IOAJ 00 through IOAJ xx**

This group includes messages for the IOA (infrastructure) product.

**IOAJ 01I** CONDITION WAS ADDED AT LOC=rba DATE=date NAME=name BY USER=userId **J=**jobName (jobId)

**Explanation:** A condition was successfully added to the IOA Conditions file. This message is issued only when condition change logging is active. In a monitor address space, this message will be preceded by message IOAJ 59I. The variables in this message are:

- **rba** - The location in the Conditions file where the condition was stored (used for diagnostic purposes only).
- **date** - The date in local format of the condition that was added.
- **name** - The name of the condition that was added.
- **userId** - The user ID that is associated with the operation.
- **jobName** - The name of the job, started task, or TSO user address space associated with the operation.
- **jobId** - The JES job ID of the address space associated with the operation.

Logging of changes to the IOA Conditions file is controlled by the **CNDLOG** parameter in the **IOAPARM** member of the IOA PARM library. In ICE, you can specify the **CNDLOG** parameter, as follows:

1. From the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to IOA and select Product Customization.
4. Select Major Step 2, “Customize IOA Dataset Parameters.”
5. Select Minor Step 3, “Conditions File(s) Parameters.”

**Corrective Action:** No action is required.

IOAJ02I CONDITION WAS DELETED AT LOC=rba DATE=date NAME=name BY USER=userId jobName (jobId)

**Explanation:** A condition was successfully deleted from the IOA Conditions file. This message is issued only when condition change logging is active. In a monitor address space, this message will be preceded by message IOAJ59I.

The variables in this message are:

- **rba** - The location in the Conditions file where the condition was stored prior to being deleted (used for diagnostic purposes only).
- **date** - The date in local format of the condition that was deleted.
- **name** - The name of the condition that was deleted.
- **userId** - The user ID that is associated with the operation.
- **jobName** - The name of the job, started task or TSO user address space associated with the operation.
- **jobId** - The JES job ID of the address space associated with the operation.

Logging of changes to the IOA Conditions file is controlled by the CNDLOG parameter in the IOAPARM member of the IOA PARM library. In ICE, you can specify the CNDLOG parameter, as follows:

1. From the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to IOA and select Product Customization.
4. Select Major Step 2, “Customize IOA Dataset Parameters.”
5. Select Minor Step 3, “Conditions File(s) Parameters.”

**Corrective Action:** No action is required.

IOAJ10E NO PLACE TO ADD CONDITION USER=userId DATE=date NAME=name

**Explanation:** A condition was not added to the IOA Conditions file because there was no available space in the relevant records of the file. Note that the IOA Conditions file is divided into records according to the day of the month within the condition date; therefore, it is possible that other conditions with different dates can still be added even though conditions for a particular day of the month cannot.

The variables in this message are:
The operation is not carried out. The IOA Conditions file is left unchanged, but the address space requesting the operation may terminate as a result.

Corrective Action: In order to maintain production flow, try to add the condition from IOA online screen 4. If the problem persists, you may free up some space by deleting conditions that are not needed, that have the same day of the month as the condition that was not added. For example, if the date of the condition that was not added is 0312, and your dates are in European format, then you may try deleting other conditions whose day is 03, such as those with date 0301, 0302 etc. If the date is STAT then you may try deleting other conditions with date STAT.

If the problem is not due to a large number of conditions that were mistakenly added, contact your IOA administrator to seek a long-term solution. The IOAVERFY utility can be used to analyze the current capacity of the file and to see the distribution of conditions among the days of the month. The Control-M New Day procedure can be used to delete conditions from the IOA Conditions file on a daily basis, and the IOACLND utility can also be used to periodically delete unneeded conditions. If necessary, the IOA Conditions file may be reallocated and reformatted with a higher number of blocks per day, using the IOABCN utility. In that case, the DUAL IOA Conditions file (/DAALTCND) and/or the Control-M JOURNAL Condition file may need to be reallocated as well. Note that when reformating the file, all of the conditions that have been added to the file will be lost.

IOAJ10W CONDITION FILE IS prc% FULL. PLEASE NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

The IOA Conditions file is nearly full. In order to prevent the IOAJ10E message the Control-x alerts the user if the IOA Conditional file is over 90% full for particular day.

The prc% in this message is the percent of day file space usage. Processing continues.

Corrective Action: Notify the INCONTROL administrator. Probably the IOA Condition File size should be increased. For more information, see the description of the IOAJ10E message.

IOAJ20S DACNDF QNAME=file_shrqnam WHILE IOAPARM SHRQNAM=parm_shrqnam

Explanation: The IOA Conditions file is not accessible due to an integrity check failure. The file may be corrupted, or it may have been formatted by the IOABCN utility with a shared resource QNAME which is different from the current shared resource QNAME. It is possible that an attempt was made to access an IOA Conditions file that belongs to another installation.

Access to the IOA Conditions failed. The address space requesting to access the IOA Conditions file may terminate as a result.

The variables in this message are:
file_shrqnam - The shared resource QNAME inside the file, corresponding to the shared resource QNAME which was defined at the time that the IOA Conditions file was formatted.

parm_shrqnam - The current shared resource QNAME, as defined in the IOA PARM library.

The shared resource QNAME is defined by the SHRQNAM parameter. In a customized installation, you specify SHRQNAM in ICE step 4.2. In a Default or Cloning installation, you specify SHRQNAM on panel (DI.4.0).

Corrective Action: Verify that the correct IOA Conditions file is being used. If the correct file is used, contact your IOA administrator to check if the file needs to be restored or reformatted. Note that when reformattting the file, all of the conditions that have been added to the file will be lost.

IOAJ21S DACNDF NOT FORMATTED AS CONDITION FILE, FILE ID=fid

Explanation: The IOA Conditions file is not accessible due to an integrity check failure. The file may be corrupted, or it may have not been formatted by the IOABCN utility. It is possible that an incorrect file is allocated to DDNAME //DACNDF.

In this message, fid is the three-letter internal file ID that is marked in the first record of the file (this should be SNC for an IOA Conditions file).

Access to the IOA Conditions failed. The address space requesting to access the IOA Conditions file may terminate as a result.

Corrective Action: Verify that the correct IOA Conditions file is being used. The name of the IOA Conditions file usually has a low level qualifier of CND, such as IOA.CND. If the correct file is used, contact your IOA administrator to check if the file needs to be restored or reformatted. Note that when reformattting the file, all of the conditions that have been added to the file will be lost.

IOAJ22S DACNDF IS NOT AVAILABLE, FILE STATUS=status

Explanation: The IOA Conditions file is not accessible due to an integrity check failure. The file may be corrupted, or it may have been partially formatted by the IOABCN utility. It is possible that an attempt was made to access an IOA Conditions file that began formatting but failed before completing.

In this message, status is the six-letter internal status that is marked in the first record of the file (should be FREE for a properly formatted IOA Conditions file).

Access to the IOA Conditions file failed. The address space requesting to access the IOA Conditions file may terminate as a result.

Corrective Action: Verify that the correct IOA Conditions file is being used. If the correct file is used, contact your IOA administrator to check if the file needs to be restored or reformatted. Note that when reformattting the file, all of the conditions that have been added to the file will be lost.

IOAJ23S DACNDF BLOCKS PER DAY=file_cndrec_num WHILE IOAPARM CNDREC#=parm_cndrec_num

Explanation: The IOA Conditions file is not accessible due to an integrity check failure. The file may be corrupted, or it may have been formatted by the IOABCN utility with a number of blocks per day which is different from the current number of blocks per day. It is possible that an attempt was made to access an IOA Conditions file that belongs to another installation.
Access to the IOA Conditions file failed. The address space requesting to access the IOA Conditions file may terminate as a result.

The variables in this message are:

- `file_cndrec_num` - The number of blocks per day inside the file, corresponding to the number of blocks per day which was defined at the time that the IOA Conditions file was formatted.
- `parm_cndrec_num` - The current number of blocks per day, as defined in the IOA PARM library.

The number of blocks per day is defined by the CNDREC# parameter. In ICE, you can specify the CNDREC# parameter, as follows:

1. From the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to IOA and select Product Customization.
4. Select Major Step 2, “Customize IOA Dataset Parameters.”
5. Select Minor Step 3, “Conditions File(s) Parameters.”

**Corrective Action:** Verify that the correct IOA Conditions file is being used. If the correct file is used, contact your IOA administrator to check if the file needs to be restored or reformatted. Note that when reformattting the file, all of the conditions that have been added to the file will be lost.

**IOAJ51W CONDITION NOT ADDED - ALREADY EXISTS. USER=userId DATE=date NAME=name**

**Explanation:** A condition was not added to the IOA Conditions file. The same condition, with the same name and same date, already exists in the file. The operation cannot be performed because the IOA Conditions file can contain only one instance of each condition.

The variables in this message are:

- `userId` - The user ID that is associated with the operation.
- `date` - The date in local format of the condition that was attempted to be added.
- `name` - The name of the condition that was attempted to be added.

The operation is not carried out. The IOA Conditions file is left unchanged, and the address space requesting the operation continues functioning.

**Corrective Action:** No action is required. However, if the message repeats then you may reconsider whether adding the condition under these circumstances is really necessary.

**IOAJ52W CONDITION NOT DELETED - DOES NOT EXIST. USER=userId DATE=date NAME=name**

**Explanation:** A condition was not deleted from the IOA Conditions file. A condition with the same name and same date does not exist in the file. The operation cannot be performed because only conditions that are contained in the IOA Conditions file can be deleted.

The variables in this message are:
• **userId** - The user ID that is associated with the operation.
• **date** - The date in local format of the condition that was attempted to be deleted.
• **name** - The name of the condition that was attempted to be deleted.

The operation is not carried out. The IOA Conditions file is left unchanged, and the address space requesting the operation continues functioning.

**Corrective Action:** No action is required. However, if the message repeats then you may reconsider whether deleting the condition under these circumstances is really necessary.

IOAJ53E INVALID CONDITION DATE=\(date\) FUNC=\(func\) USER=\(userId\) NAME=\(name\)

**Explanation:** An invalid DATE was specified in a call for condition services.

The variables in this message are:
• **date** - the invalid date provided in the call
• **func** - the internal function code representing the request type
• **userId** - the USERID associated with the request
• **name** - the condition name

The service is not performed. The caller of the service may decide to terminate or shut down.

**Corrective Action:** If the cause is not attributable to user error, contact BMC Software Customer Support.

IOAJ54E INVALID CONDITION NAME. FUNC=\(func\) USER=\(userId\) DATE=\(date\) NAME=\(name\)

**Explanation:** An invalid CONDITION NAME was specified in a call for condition services.

The variables in this message are:
• **func** - the internal function code representing the request type
• **userId** - the USERID associated with the request
• **date** - the date in local format provided in the call
• **name** - the invalid condition name

The service is not performed. The caller of the service may decide to terminate or shut down.

**Corrective Action:** If the cause is not attributable to user error, contact BMC Software Customer Support.

IOAJ55E INVALID CONDITION LEN=\(length\). FUNC=\(func\) USER=\(userId\) DATE=\(date\) NAME=\(name\)

**Explanation:** An invalid CONDITION length was specified in a call for condition services.

The variables in this message are:
- **length** - the invalid length of the condition specified in the call
- **func** - the internal function code representing the request type
- **userID** - the USERID associated with the request
- **date** - the date in local format provided in the call
- **name** - the condition name

The service is not performed. The caller of the service may decide to terminate or shut down.

**Corrective Action:** If the cause is not attributable to user error, contact BMC Software Customer Support.

**IOAJ57S IOACND INTERNAL ERROR. FUNC=func DIAG=diag**

**Explanation:** An internal error occurred in a call for condition services.

The variables in this message are:
- **func** - the internal function code representing the request type
- **diag** - the diagnostic code identifying the exact internal error code. This value is used by BMC to locate the exact place and circumstances of the error.

An SVC DUMP is taken, or a SNAP DUMP is written to //DACNDDMP. The caller of the service may decide to terminate execution.

**Corrective Action:** Review the job log and look for additional error messages with a prefix of IOAJ, such as IOAJ23S or a similar message, which were issued shortly before this message. If such a message is found, review the documentation for that message for a possible explanation of the source of the problem. If this does not help, or if no such preceding messages are found, save the job log and the DUMP which was produced, and contact BMC Software Customer Support.

**IOAJ58S IOACND UNKNOWN INTERNAL ERROR. FUNC=func DIAG=diag**

**Explanation:** An unidentified internal error occurred in a call for condition services.

The variables in this message are:
- **func** - the internal function code representing the request type
- **diag** - the diagnostic code identifying the internal error code. This value is used by BMC to locate the exact place and circumstances of the error.

An SVC DUMP is taken, or a SNAP DUMP is written to //DACNDDMP. The caller of the service may decide to terminate execution.

**Corrective Action:** Review the job log and look for additional error messages with a prefix of IOAJ, such as IOAJ23S or a similar message, which were issued shortly before this message. If such a message is found, review the documentation for that message for a possible explanation of the source of the problem. If this does not help, or if no such preceding messages are found, save the job log and the DUMP which was produced, and contact BMC Software Customer Support.
IOAJ59I CONDITION LOGGING IS ACTIVE. DESTINATION=\textit{log\_dest}

\textbf{Explanation:} Logging of changes to the IOA Conditions file is active. Note that this message only appears in monitor address spaces, not in batch jobs and not during online sessions.

For each condition that will be added to or deleted from the current address space, message IOAJ01I or IOAJ02I will be issued respectively.

In this message, \textit{log\_dest} is the destination where logging messages IOAJ01I and IOAJ02I will be issued, in either IOALOG or SYSLOG. This corresponds to the setting of the CNDLOG parameter in the IOAPARM member of the IOA PARM library.

Logging of changes to the IOA Conditions file is controlled by the CNDLOG parameter in the IOAPARM member of the IOA PARM library. In ICE, you can specify the CNDLOG parameter, as follows:

1. From the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to IOA and select Product Customization.
4. Select Major Step 2, “Customize IOA Dataset Parameters.”
5. Select Minor Step 3, “Conditions File(s) Parameters.”

\textbf{Corrective Action:} No action is required.

IOAJ5A1 CONDITION LOGGING IS INACTIVE

\textbf{Explanation:} Logging of changes to the IOA Conditions file is inactive. Note that this message only appears in monitor address spaces, not in batch jobs and not during online sessions. No logging with messages IOAJ01I or IOAJ02I will be done for conditions that are going to be added to or deleted from the current address space.

Logging of changes to the IOA Conditions file is controlled by the CNDLOG parameter in the IOAPARM member of the IOA PARM library. In ICE, you can specify the CNDLOG parameter, as follows:

1. From the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to IOA and select Product Customization.
4. Select Major Step 2, “Customize IOA Dataset Parameters.”
5. Select Minor Step 3, “Conditions File(s) Parameters.”

\textbf{Corrective Action:} No action is required.

IOAJ5BE GETMAIN IN ECSA AREA FAILED. FUNC=\textit{func} DIAG=\textit{diag}

\textbf{Explanation:} A GETMAIN request in ECSA failed in a call to condition services.

The variables in this message are:
**IOAJ5CE** GETMAIN IN PRIVATE AREA FAILED. **FUNC=func** **DIAG=diag**

**Explanation:** A GETMAIN request in private area failed in a call to condition services.

The variables in this message are:

- **func** - the internal function code representing the request type
- **diag** - the diagnostic code identifying the internal error code. This value is used by BMC to locate the exact place and circumstances of the error.

An SVC DUMP is taken, or a SNAP DUMP is written to //DACNDDMP. The caller of the service may decide to terminate execution.

**Corrective Action:** Review the job log and system log and look for other error messages which may help identify the source of the problem, not necessarily related to the IOA Conditions infrastructure. Review and adjust the appropriate storage limitations for the system or for the specific address space as necessary. If this does not help, save the job log, the relevant part of the system log and DUMP which was produced, and contact BMC Software Customer Support.

**IOAJ5DS** IOACND INTERNAL ERROR DURING INITIALIZATION. **DIAG=diag**

**Explanation:** An internal error occurred during condition services initialization.

In this message, **diag** is the diagnostic code identifying the exact internal error code. This value is used by BMC to locate the exact place and circumstances of the error.

The condition services initialization fails. The caller of the service may decide to terminate execution.

**Corrective Action:** Contact BMC Software Customer Support.

**IOAJ5EI** CONDITION LOGGING IS SUPPRESSED

**Explanation:** Logging of changes to the IOA Conditions file is inactive. It is possible that logging of changes to the IOA Conditions file was requested by the CNDLOG parameter in the IOAPARM member of the IOA PARM library; however, the program accessing the IOA Conditions file requested that logging be suppressed. Note that this message only appears in monitor address spaces, not in batch jobs and not during online sessions.

No logging with messages **IOAJ01I** or **IOAJ02I** will be done for conditions that are going to be added to or deleted from the current address space.

**Corrective Action:** No action is required.
IOAJ5FI WRITING TO DUAL CONDITIONS FILE (DAALTCND) IS ACTIVE

Explanation: Mirroring of changes to the IOA Conditions file is active. Each change that is done to the IOA Conditions file (/DAACNDF) will also be mirrored to the alternate IOA Conditions file (/DAALTCND). Note that this message only appears in monitor address spaces, not in batch jobs and not during online sessions.

For each record of the IOA Conditions file that is going to be updated from the current address space, the same data will be updated in the corresponding record in the alternate IOA Conditions file.

Mirroring of changes to the IOA Conditions file is controlled by the DUALDB parameter in the IOAPARM member of the IOA PARM library. In ICE, you can specify the DUALDB parameter, as follows:

1. From the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to IOA and select Product Customization.
4. Select Major Step 2, “Customize IOA Dataset Parameters.”
5. Select Minor Step 3, “Conditions File(s) Parameters.”

Corrective Action: No action is required.

IOAJ5GE CONDITION NOT ADDED - NOT AUTHORIZED. USER=userID
DATE=date NAME=name

Explanation: A call to add a condition has not been authorized by the security interface.

The variables in this message are:
- userID - the USERID associated with the request
- date - the date in local format provided in the call
- name - the condition name

The condition is not added.

Corrective Action: Determine whether the user should be authorized to add the condition and if not, why an unauthorized user tried to add the condition.

If any variable in the message is invalid and the cause is not attributable to user error, contact BMC Software Customer Support.

IOAJ5HE CONDITION NOT DELETED - NOT AUTHORIZED. USER=userID
DATE=date NAME=name

Explanation: A call to delete a condition has not been authorized by the security interface.

The variables in this message are:
- userID - the USERID associated with the request
- date - the date in local format provided in the call
- name - the condition name

The condition is not deleted.
Corrective Action: Determine whether the user should be authorized to delete the condition and if not, why an unauthorized user tried to delete the condition.

If any variable in the message is invalid and the cause is not attributable to user error, contact BMC Software Customer Support.

IOAJ5IE CONDITION CHECK NOT AUTHORIZED. USER=userID DATE=date NAME=name

Explanation: A call to check the status of a condition has not been authorized by the security interface.

The variables in this message are:
- userID - the USERID associated with the request
- date - the date in local format provided in the call
- name - the condition name

The status of the condition is not returned and the operation fails.

Corrective Action: Determine whether the user should be authorized to check the condition and if not, why an unauthorized user tried to check the condition status.

If any variable in the message is invalid and the cause is not attributable to user error, contact BMC Software Customer Support.

IOAJ5JI NO CONDITION DELETED - NONE FOUND. USER=useID FROM=fromDate TO=toDate DATE=date NAME=name

Explanation: This information message indicates that a call to delete all conditions according to given criteria has not found any condition matching the criteria.

The variables in this message are:
- userID - the USERID associated with the request
- fromDate - start of the date range provided in the call
- toDate - end of the date range provided in the call
- date - additional specific date (such as STAT, 0101) to delete provided in the call
- name - the condition name

Corrective Action: No action is required.

IOAJ5KI NO CONDITION DELETED - NONE FOUND. USER=useID FROM=fromDate TO=toDate NAME=name

Explanation: This information message indicates that a call to delete all conditions according to given criteria has not found any condition matching the criteria.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- `userID` - the USERID associated with the request
- `fromDate` - start of the date range provided in the call
- `toDate` - end of the date range provided in the call
- `name` - the condition name

**Corrective Action:** No action is required.

**IOAJ5LI NO CONDITION DELETED - NONE FOUND. USER=*useID* DATE=*date* NAME=*name***

**Explanation:** This information message indicates that a call to delete all conditions according to given criteria has not found any condition matching the criteria.

The variables in this message are:
- `userID` - the USERID associated with the request
- `date` - specific date (STAT, 0101, or mask) to delete provided in the call
- `name` - the condition name

**Corrective Action:** No action is required.

**IOAJ5MI NO MATCHING CONDITION DELETED - ALL IGNORED. USER=*useID* FROM=*fromDate* TO=*toDate* DATE=*date* NAME=*name***

**Explanation:** This information message indicates that a call to delete all conditions according to given criteria has found some condition matching the criteria, but the caller requested to skip the deletion of each found condition.

The variables in this message are:
- `userID` - the USERID associated with the request
- `fromDate` - start of the date range provided in the call
- `toDate` - end of the date range provided in the call
- `date` - additional specific date (such as STAT, 0101) to delete provided in the call
- `name` - the condition name

**Corrective Action:** No action is required.

**IOAJ5NI NO MATCHING CONDITION DELETED - ALL IGNORED. USER=*useID* FROM=*fromDate* TO=*toDate* NAME=*name***

**Explanation:** This information indicates that a call to delete all conditions according to given criteria has found some condition matching the criteria, but the caller requested to skip the deletion of each found condition.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **userID** - the USERID associated with the request
- **fromDate** - start of the date range provided in the call
- **toDate** - end of the date range provided in the call
- **name** - the condition name

**Corrective Action:** No action is required.

**IOAJ50I** NO MATCHING CONDITION DELETED - ALL IGNORED.
USER=userid DATE=date NAME=name

**Explanation:** This information message indicates that a call to delete all conditions according to given criteria has found some condition matching the criteria, but the caller requested to skip the deletion of each found condition.

The variables in this message are:
- **userID** - the USERID associated with the request
- **date** - the specific date in local format or date mask provided in the call
- **name** - the condition name

**Corrective Action:** No action is required.

**IOAJ60I** WRITING TO DUAL CONDITIONS FILE (DAALTCND) IS SUPPRESSED

**Explanation:** Mirroring of changes to the IOA Conditions file is inactive. Changes that are done to the IOA Conditions file (/DAACNDF) will not be mirrored to the alternate IOA Conditions file (/DAALTCND). It is possible that mirroring of changes to the IOA Conditions file was requested by the DUALDB parameter in the IOAPARM member of the IOA PARM library; however, the program accessing the IOA Conditions file requested that mirroring be suppressed. Note that this message only appears in monitor address spaces, not in batch jobs and not during online sessions.

**Corrective Action:** No action is required.

**IOAJ70E** PARAMETER IS NOT SUPPORTED PLEASE TRY AGAIN.PROGRAM TERMINATED

**Explanation:** An invalid parameter was entered for the IOAPCP3 utility.
The wrong parameter is logged with a return code of 20.

**Corrective Action:** Change the parameter to a valid value.

**IOAJ71E** ENVIRONMENT INITIALIZATION FAILED, IOAENV RC=rc

**Explanation:** The IOAPCP3 utility could not initiate an environment.

Additional error messages are displayed prior to this message. The program terminates with a return code of 16.

**Corrective Action:** Correct the preceding error messages, and rerun the job.
IOAJ 72E GETMAIN FOR INPUT DDNAME DASACND FAILED.

Explanation: The IOAPCP3 utility could not allocate an area of virtual storage for the input step. The system informs the user which of the steps did not execute, and exits with a return code of 16.

Corrective Action: Increase the region size, and rerun the job.

IOAJ 73E GETMAIN FOR OUTPUT DDNAME DASACND FAILED.

Explanation: The IOAPCP3 utility could not allocate an area of virtual storage for the output step. The system informs the user which of the steps did not execute, and exits with a return code of 16.

Corrective Action: Increase the region size, and rerun the job.

IOAJ 74E OPEN INPUT DDNAME DASACND FAILED.

Explanation: The IOAPCP3 utility could not open the file from which it had to read. The system informs the user which of the steps did not execute, and exits with a return code of 12.

Corrective Action: Verify that the file exists, there is no problem accessing the file, and that nobody else is currently using the same file.

IOAJ 75E OPEN OUTPUT DDNAME DASACND FAILED.

Explanation: The program could not open the file from which it had to read. The system tells the user know which of the steps did not execute and exits with a return code of 12.

Corrective Action: Verify that the file exists, there is no problem accessing the file, and that nobody else is currently using the same file.

IOAJ 76E ERROR AT IOACND INTERNAL FUNCTION= FUNCTION, SEE IOACND FAILURE.

Explanation: A failure occurred in the IOACND member. The system tells the user know which of the steps did not execute and exits with a return code of 8.

Corrective Action: Check the return code with the IOACND error message for further response.

Messages IOAL00 through IOALxx

This group includes messages for the IOA (infrastructure) product.

IOAL00I IDL FACILITY RECEIVED REQUEST (request)

Explanation: This information message indicates that IDL facility received the specified request either through a modify command or programmatically.

In this message, request is the name of the request. Valid values are:

- SNAP

Note:
When this message is issued for a SNAP request, the current date is additionally issued as DATE (dd/mm/yyyy).

- HELP
- SHOWMODULES
- SHOWGROUP
- SHOWLEVEL
- WTOLEVEL
- SHOWSNAP
- DUP={HANDLE | IGNORE}
- SHOWMODULE={name | mask}
- WTOMODULE={name | mask}
- SHOWCSECT={name | mask}
- WTOCSECT={name | mask}
- SHOWFULL
- SHOWUNKNOWN
- SHOWUNIDENT
- SHOWFOREIGN
- SHOWSHORT
- SHOWMEMORY={module | address | control_block}, {size | FULL}
- REFRRSUMMARY
- DEFGROUP[= group_ID]
- DABAPI={ENABLE | DISABLE}

**Corrective Action:** No action is required.

IOAL01I module csect offset length date time release apar lng from

**Explanation:** This information message specifies a line of the level information for a separate CSECT. A group of IOAL01I messages are preceded by header message IOAL02I.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **module** - name of a module
- **csect** - name of a CSECT
- **offset** - offset value for the indicated CSECT, relative to the beginning of the module
- **length** - CSECT length
- **date** - date of compilation
- **time** - time of compilation
- **release** - IOA release this CSECT belongs to
- **apar** - last APAR ID applied to the indicated CSECT
- **lng** - language in which this CSECT is written. Valid values are:
  - ASM (Assembler)
  - S/C (SAS/C)
- **from** - where this module was taken from, to identify its level. Valid values are:
  - storage - from storage
  - library - from disk

**Corrective Action:** No action is required.

IOAL02I MODULE CSECT OFFSET LENGTH DATE TIME RELEASE APAR LNG FROM

**Explanation:** This information message is a header for a group of subsequent IOAL01I messages.

**Corrective Action:** No action is required.

IOAL03I size kb OF IDL DATA SUCCESSFULLY SNAPPED AT 
(address-time-date) sss.tt sec CPU used; DUP=dup_value

**Explanation:** This information message indicates that IDL facility successfully performed a SNAP request.

The variables in this message are:

- **size** - number of kilobytes the SNAP data occupies in storage
- **address** - starting address of the SNAP data in storage
- **time** - time the SNAP data was written
- **date** - date the SNAP data was written
- **sss.tt** - number of seconds the CPU takes to generate and write the SNAP data into memory
- **dup_value** - value of the DUP parameter. Valid values are:
  - HANDLE - each instance of a duplicate module is handled
  - IGNORE - only the first instance from a group of duplicate modules is handled
The DUP value is set by the program and can be replaced at any time by the DUP={ HANDLE | IGNORE } modify command.

**Corrective Action:** No action is required.

**IOAL04I FIRST IDL SNAP REQUEST RECEIVED**

**Explanation:** This information message indicates that IDL facility received the first SNAP request since startup.

**Corrective Action:** No action is required.

**IOAL05S INTERNAL ERROR OCCURRED (error) IN IDL FACILITY, UNABLE TO CONTINUE**

**Explanation:** The IDL facility encountered an internal problem, which is specified by the `error` value. The only valid value for `error` is:

<table>
<thead>
<tr>
<th>error</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>040</td>
<td>The IDL facility did not discover the SNAP data, even though at least one SNAP request was already performed</td>
</tr>
</tbody>
</table>

The IDL facility removes itself. Normal processing of the INCONTROL product continues.

**Corrective Action:** No action is required.

**IOAL06I IDL ENVIRONMENT REMOVED SUCCESSFULLY**

**Explanation:** This information message indicates that IDL facility has removed itself. Normally this message is issued when the INCONTROL product goes down.

**Corrective Action:** No action is required.

**IOAL07W IDL ROUTINE (routine) FAILED WITH RC (rsn) REQUEST (request)**

**Explanation:** The IDL facility encountered an error when performing a request.

The variables in this message are:

- `routine` - name of a routine that discovered an error
- `rsn` - reason code of an error
- `request` - name of the request that is performed when the IDL facility encountered a specified error

The indicated request fails.

**Corrective Action:** Contact BMC Software Customer Support.
IOAL08S FAILURE (rc) TO CREATE SNAP TOKEN FOR IDL

**Explanation:** A severe error was encountered when the IDL facility tried to create an MVS token. The IDL facility removes itself. Normal processing of the INCONTROL product continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL09W CALL (call) OF BINDER API FAILED WITH RC (rc) REASON (rsn), MODULE (mod)

**Explanation:** The IDL facility encountered the specified error when performing a Binder API call. This message is followed by one of the messages from IOAL10W-IOAL1YW or IOAL31W-IOAL3HW, which describes the reason for the failure.

**Corrective Action:** If necessary, contact BMC Software Customer Support.

**Note:**
You should contact BMC Software Customer Support if the variables in this message differ from the following:
- RC=08
- REASON=83000514
- MODULE=mod

This means that the specified module is changed (replaced or moved) in the load library during an INCONTROL product run. This may happen when a new PTF is applied or the LOAD library is compressed.

IOAL0AI  mod tcb cbName owner epa length subpool use attribute resident amode alias

**Explanation:** This information message describes a separate load module. A group of IOAL0AI messages are preceded by header message IOAL0BI.

The variables in this message are:
- mod - name of a module
- tcb - TCB address
- cbName - name of the control block that controls the indicated module.

**Valid values are:**
- RB
- LLE
- **owner** - TCB address of an owner subtask
- **epa** - entry point address of a module
- **length** - size of a module
- **subpool** - subpool number in which a module resides
- **use** - use counter of a module
- **attribute** - attributes of a module.
  
  Valid values are:
  - Rent
  - Reus
  - AC1

- **resident** - area in which this module resides.
  
  Valid values are:
  - FLPA
  - PLPA
  - MLPA
  - JPA
  - >16

- **amode** - addressing mode of a module.
  
  Valid values are:
  - 24
  - 31
  - ANY

- **alias** - name of a module of which the indicated module is an alias.

**Corrective Action:** No action is required.

**Explanation:**
This information message is a header for a group of subsequent IOAL0AI messages.

**Corrective Action:** No action is required.

**Explanation:**
The IDL facility discovered the specified module has been reloaded since the previous SNAP request was performed.

The variables in this message are:
• mod - name of a module that IDL facility discovered was reloaded
• time Stamp - timestamp of the last SNAP request before the specified module was reloaded

Corrective Action: No action is required.

IOAL0DI MODULE (mod) WAS DELETED SINCE LAST IDL SNAP (time Stamp)

Explanation: This information message indicates that the IDL facility discovered the specified module has been deleted since the previous SNAP request was performed.

The variables in this message are:
• mod - name of a module that IDL facility discovered was deleted
• time Stamp - timestamp of the last SNAP request before the specified module was deleted

Corrective Action: No action is required.

IOAL0EI NEW TASK (mod / tcbAddress) STARTED SINCE LAST IDL SNAP (time Stamp)

Explanation: This information message indicates that the IDL facility discovered that a new subtask has been started since the previous SNAP request was performed.

The variables in this message are:
• mod - name of a main module running under the control of a new subtask
• tcbAddress - TCB address of a new subtask
• time Stamp - timestamp of the last SNAP request before the specified subtask started

Corrective Action: No action is required.

IOAL0FW MODULE (mod / csect) CHANGED SINCE LAST IDL SNAP (old time Stamp / new time Stamp)

Explanation: The IDL facility discovered a change in the specified module/csect, which occurred between the instances specified by two subsequent timestamps.

The variables in this message are:
• mod - name of a module which in the IDL facility discovered a change
• csect - CSECT of a module which in IDL facility discovered a change
• old time Stamp - timestamp of the previous SNAP request
• new time Stamp - timestamp of the last SNAP request

Corrective Action: No action is required.
IOAL0GI APAR (old_apar / new_apar) CODE COMPILED (old_time / new_time / old_date - new_date)

**Explanation:** This information message follows message IOAL0FW and describes the change that the IDL facility discovered in the module specified in message IOAL0FW.

The variables in this message are:
- **old_apar**: last APAR ID applied to the CSECT specified by IOAL0FW before the change
- **new_apar**: last APAR ID applied to the CSECT specified by IOAL0FW after the change
- **old_time**: compilation time of the CSECT specified by IOAL0FW before the change
- **new_time**: compilation time of the CSECT specified by IOAL0FW after the change
- **old_date**: compilation date of the CSECT specified by IOAL0FW before the change
- **new_date**: compilation date of the CSECT specified by IOAL0FW after the change

**Corrective Action:** No action is required.

IOAL0HW CSVQUERY FAILED TO GET REQUESTED DATA, RC (004)

**Explanation:** The IDL facility encountered an error when performing an internal CSVQUERY request. The current IDL request fails. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL0IW CSVQUERY FAILED TO LOCATE MODULE (mod) EPA (address)

**Explanation:** The IDL facility encountered an error when performing an internal CSVQUERY request to locate the specified module. The current IDL request fails. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL0JW CSVQUERY FAILURE: RC (rc)

**Explanation:** The IDL facility encountered a failure when performing an internal CSVQUERY request. The current IDL request fails. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL0KI OLD TASK (mod tcbAddress) COMPLETED SINCE LAST IDL SNAP (timeStamp)

**Explanation:** This information message indicates that the IDL facility discovered that a specified subtask has been completed since the previous SNAP request was performed.

The variables in this message are:
**mod** - name of a main module that ran under the control of a completed subtask

**tcbAddress** - TCB address of an old subtask

**timeStamp** - timestamp of the last SNAP request before the specified subtask was completed

**Corrective Action:** No action is required.

**IOAL0LI** **BINDER API OUTPUT (DABAPI) HAS BEEN {ENABLED | DISABLED}**

**Explanation:** This information message is sent in response to the DABAPI={ENABLE | DISABLE} modify command issued by an operator:

- When DABAPI=ENABLE, the DABAPI output file is enabled, and the original IBM diagnostic messages of the Binder API are sent to this output.
- When DABAPI=DISABLE, the DABAPI output file is disabled. (Default)

**Corrective Action:** No action is required.

**IOAL0MW** **INVALID GROUP SPECIFIED (group_ID), DEFAULT GROUP ID (default_group_ID) WILL BE USED**

**Explanation:** An invalid group ID was specified in an IDL=SHOWGROUP=group_ID modify command issued by an operator.

The "IOA" group ID is used instead of the requested group. Processing continues.

**Corrective Action:** Correct the group ID and reissue the modify command.

**IOAL0OW** **IDL FACILITY RECEIVED INVALID REQUEST (request)**

**Explanation:** An unknown IDL= request modify command was issued by an operator.

The invalid request is ignored.

**Corrective Action:** Correct the request and reissue the modify command.

**IOAL0PI** **IDL ENVIRONMENT CREATED SUCCESSFULLY; APAR (apar) RELEASE (release) IDL (address)**

**Explanation:** This information message indicates that the IDL facility has been successfully started and its environment has been created.

The variables in this message are:

- **apar** - last APAR ID applied to the main IDL module
- **release** - IOA release to which the main IDL module belongs
- **address** - area address of IDL internals

**Corrective Action:** No action is required.

**IOAL0QW** **NO IDL ENVIRONMENT CREATED, RC (rc)**

**Explanation:** The IDL facility has failed to create its environment.
Corrective Action: Contact BMC Customer Support, specifying the return code displayed.

IOAL0RI IDL REQUEST (request) PROCESSED SUCCESSFULLY, sss.tt sec CPU used; ITEMS: item1/item2

Explanation: This information message indicates that the IDL facility has successfully processed the IDL request.

The variables in this message are:

- request - name of the request the IDL facility processed
- sss.tt - CPU time that was consumed by the IDL facility to process the request
- item1 - first output parameter of the processed request. In most cases, this variable contains the number of elements the IDL facility processed when implementing the request.
- item2 - second output parameter of the processed request. In most cases, this variable contains the number of elements the IDL facility did not process (skipped) when implementing the request.

Corrective Action: No action is required.

IOAL0SW IDL ENVIRONMENT ALREADY EXISTS

Explanation: The IDL facility failed to create another IDL environment, because one already exists.

Corrective Action: Contact BMC Software Customer Support.

IOAL0TS IDL FACILITY FAILED (rc) TO ALLOCATE ddName OUTPUT DD STATEMENT, IOALLOC (rc)

Explanation: A severe error was encountered when the IDL facility was trying to allocate the DAPRIIDL output DD statement.

The IDL environment is not created. Normal processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL0UW CSVQUERY RETURNED ZERO ENTRY POINT TOKEN FOR EPA (address)

Explanation: The IDL facility encountered a failure when performing an internal CSVQUERY request for the specified entry point address.

The module with the specified entry point address is not processed. Normal processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL0VI BINDER API OUTPUT (DABAPI) ALREADY {ENABLED | DISABLED}

Explanation: This information message is sent in response to the DABAPI={ENABLE | DISABLE} modify command issued by an operator.
When DABAPI=ENABLED, the DABAPI output file is already enabled, and the original IBM diagnostic messages of the Binder API are sent to this output.

- When DABAPI=DISABLED, the DABAPI output file is already disabled. (Default)

Corrective Action: No action is required.

IOAL0WW BINDER API FAILED TO PROCESS MODULE \( (mod) \), NO LEVEL DATA WRITTEN; RC \( (rc) \) REASON \( (rsn) \)

Explanation: One of the Binder API functions failed (with the specified return code and reason code) when the IDL facility tried to process the specified module.

The specified module is not processed. Normal processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL0XI \( mod \) csect offset size timeStamp release apar entrypoint-token attributes sp apf

Explanation: A set of IOAL0XI messages is issued in response to a SHOWSNAP request. Each IOAL0XI message specifies a line of the level information for a separate CSECT.

The variables in this message are:
- \( mod \) - name of a module
- \( csect \) - name of a CSECT
- \( offset \) - offset value for the indicated CSECT relative to the beginning of the module
- \( size \) - CSECT size
- \( timeStamp \) - time and date of the CSECT compilation
- \( release \) - IOA release to which this CSECT belongs
- \( apar \) - last APAR ID applied to the indicated CSECT
- \( entrypoint \) - entry point token of the module
- \( attributes \) - attributes of the module
- \( sp \) - subpool number in which the module resides
- \( apf \) - APF authorization code of the module

Corrective Action: No action is required.

IOAL0YS FAILURE TO GET STORAGE size KB FOR IDL SNAP BUFFER

Explanation: The IDL facility failed to allocate storage for the SNAP buffer.

The IDL environment removes itself. Normal processing continues.

Corrective Action: Contact BMC Software Customer Support.
IOAL0ZS IDL FAILED TO LOAD MODULE (mod)

Explanation: The IDL facility failed to load the specified module. The IDL environment removes itself. Normal processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL10W EDITING REQUEST FAILED DURING INCLUSION OF THE MODULE

Explanation: One or more editing requests (delete, change, or replace operations) failed during inclusion of the module.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000502.

Corrective Action: Contact BMC Software Customer Support.

IOAL11W INCLUDED MODULE NOT EDITABLE

Explanation: The included module was marked NOT-EDITABLE.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000505.

Corrective Action: Contact BMC Software Customer Support.

IOAL12W FORMAT ERROR ENCOUNTERED

Explanation: A format error was encountered in a module being included.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000507.

Corrective Action: Contact BMC Software Customer Support.

IOAL13W ERRORS ENCOUNTERED IN THE INCLUDED MODULE

Explanation: Errors were encountered in the included module.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000510.

Corrective Action: Contact BMC Software Customer Support.
IOAL14W RECURSIVE STATEMENT ENCOUNTERED

**Explanation:** A control statement in an included file attempted to include the file containing the statement, or include another file that, in turn, included the original file.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000511.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL15W EITHER VERSION OF REQUESTED MEMBER OR TTR ADDRESS IN LIBRARY WAS CHANGED

**Explanation:** The Binder API is unable to process the indicated module, either because of its version or because the TTR address in the library was changed since the module was first loaded.

**Note:**
You should contact BMC Software Customer Support if the variables in this message differ from the following:
- RC=08
- REASON=83000514

MODULE=module

This means that the specified module is changed (replaced or moved) in the load library during an INCONTROL product run. This may happen when a new PTF is applied or the LOAD library is compressed.

**Corrective Action:** No action is required.

IOAL16W FORMAT ERROR ENCOUNTERED IN CONTROL STATEMENT

**Explanation:** A format error has been encountered in one or more control statements.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000516.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL17W NAME STATEMENT ENCOUNTERED, BUT NO TARGET LIBRARY SPECIFIED

**Explanation:** A NAME control statement was encountered, but no target library (MODLIB) was specified.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000517.

**Corrective Action:** Contact BMC Software Customer Support.
IOAL18W NAME STATEMENT ENCOUNTERED IN A SECONDARY INPUT FILE

Explanation: A NAME control statement was encountered in a secondary input file.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000518.

Corrective Action: Contact BMC Software Customer Support.

IOAL19W ERRORS (INVALID DATA) FOUND IN A MODULE BROUGHT BY INCLUDE

Explanation: Errors (invalid data) were found in a module being brought in by an INCLUDE control statement.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000519.

Corrective Action: Contact BMC Software Customer Support.

IOAL1AW DATA SET OR LIBRARY MEMBER SPECIFIED BY INCLUDE STATEMENT NOT FOUND

Explanation: The data set or library member specified by an INCLUDE control statement could not be found.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000520.

Corrective Action: Contact BMC Software Customer Support.

IOAL1BW I/O ERROR WHEN READING INPUT DATA SET OR DIRECTORY SPECIFIED IN INCLUDE

Explanation: An I/O error occurred while trying to read an input data set (or directory) specified on an INCLUDE control statement.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000521.

Corrective Action: Contact BMC Software Customer Support.
IOAL1CW DATA SET SPECIFIED IN INCLUDE STATEMENT COULD NOT BE OPENED

Explanation: The input data set specified on an INCLUDE control statement could not be opened.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000522.

Corrective Action: Contact BMC Software Customer Support.

IOAL1DW IDENTIFY DATA CANNOT BE PROCESSED DUE TO SECTION NOT INCLUDED PRIOR TO IDENTIFY STATEMENT

Explanation: Identify data could not be processed because the section was not included prior to the identify statement.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000527.

Corrective Action: Contact BMC Software Customer Support.

IOAL1EW LACK OF REQUIRED PARAMETERS FOR INTYPE

Explanation: Not all the parameters required for the specified INTYPE were provided.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000101.

Corrective Action: Contact BMC Software Customer Support.

IOAL1FW INCLUDE ATTEMPTED TO INCLUDE A SECOND MODULE WHEN ACCESS USED

Explanation: The INCLUDE call attempted to include a second module when the processing intent is ACCESS.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000500.

Corrective Action: Contact BMC Software Customer Support.

IOAL1GW I/O ERROR OCCURRED WHILE READING INPUT DATA SET OR ITS DIRECTORY

Explanation: An I/O error occurred while trying to read the input data set or its directory.
This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000503.

**Corrective Action:** Contact BMC Software Customer Support.

**IOAL1HW MODULE SUCCESSFULLY INCLUDED, BUT ALIASES OR ATTRIB OPTION COULD NOT BE HONORED**

**Explanation:** The module was successfully included, but the ALIASES or ATTRIB option could not be honored because the directory was not accessible.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000504.

**Corrective Action:** Contact BMC Software Customer Support.

**IOAL1IW FILE COULD NOT BE OPENED**

**Explanation:** The file could not be opened.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000513.

**Corrective Action:** Contact BMC Software Customer Support.

**IOAL1JW FORMAT ERROR IN THE REQUESTED MODULE**

**Explanation:** For INTENT=ACCESS, the requested module contained a format error and was not been placed in the workmod.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000523.

**Corrective Action:** Contact BMC Software Customer Support.

**IOAL1KW OPTION VALUE MISSING OR INVALID**

**Explanation:** The option value is invalid for the specified keyword.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000108.

**Corrective Action:** Contact BMC Software Customer Support.
IOAL1LW OPTIONS OPTION ENCOUNTERED IN THE OPTIONS FILE

Explanation: There was a syntax error or unrecognized option in the parameter list.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000111.

Corrective Action: Contact BMC Software Customer Support.

IOAL1MW FAILURE TO OPEN PRINT DATA SET

Explanation: A print data set could not be opened during initialization.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000200.

Corrective Action: Contact BMC Software Customer Support.

IOAL1NW INVALID OPTIONS SPECIFIED IN STARTD

Explanation: One or more invalid options, specified in STARTD, were ignored.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000201.

Corrective Action: Contact BMC Software Customer Support.

IOAL1OW FAILURE TO OPEN TERM DATA SET

Explanation: The SYSTERM data set could not be opened during initialization.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000203.

Corrective Action: Contact BMC Software Customer Support.

IOAL1PW CURRENT TIME IS UNAVAILABLE FROM THE OPERATING SYSTEM

Explanation: The date and time could not be obtained from the operating system.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000205.

Corrective Action: Contact BMC Software Customer Support.
IOAL1QW FAILURE TO OPEN SYSTERM DATA SET

Explanation: The data set or file allocated to TERM could not be found.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000206.

Corrective Action: Contact BMC Software Customer Support.

IOAL1RW FAILURE TO OPEN SYSPRINT DATA SET

Explanation: The data set or file allocated to PRINT could not be found.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000207.

Corrective Action: Contact BMC Software Customer Support.

IOAL1SW WORKMOD IA IN AN ALTERED STATE AND PROTECT=YES SPECIFIED

Explanation: The workmod was in an altered state, but PROTECT=YES was specified.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000707.

Corrective Action: Contact BMC Software Customer Support.

IOAL1TW BUFFER IS NOT LARGE ENOUGH FOR ONE RECORD

Explanation: The buffer is too small for a single record.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000750.

Corrective Action: Contact BMC Software Customer Support.

IOAL1UW REQUESTED ITEM DID NOT EXIST OR EMPTY

Explanation: The requested element was not found or was empty.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000801.

Corrective Action: Contact BMC Software Customer Support.
IOAL1VW BUFFER VERSION INCOMPATIBLE WITH THE MODULE CONTENT

**Explanation:** The workmod data is incompatible with the specified buffer version.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000813.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL1WW WORKMOD IS IN AN UNBOUND STATE

**Explanation:** The workmod was in an unbound state. GET calls are not allowed.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000102.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL1XW UNEXPECTED CONDITION OCCURRED WHILE ENDING THE DIALOG

**Explanation:** An unexpected condition occurred while ending the dialog.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000704.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL1YW ONE OR MORE WORKMODS WERE IN AN ACTIVE STATE AND PROTECT=YES

**Explanation:** One or more workmods were in an active state, and PROTECT=YES was specified or defaulted.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000708.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL1ZW THERE IS NO IDL MESSAGE FOR THE INDICATED REASON AND RC COMBINATION

**Explanation:** The IDL facility does not recognize the RC and Reason combination returned by the Binder API.

**Corrective Action:** Contact BMC Software Customer Support.
IOAL21I SHOWMODULES - SHOW MAP OF THE ADDRESS SPACE

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWMODULES command: to display all modules and tasks running in an address space.

**Corrective Action:** No action is required.

IOAL22I SHOWGROUP[=...] - SHOW IDL INFO ABOUT GROUP OF MODULES PRE-DEFINED IN SUMMARY TABLE

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWGROUP[=...] modify command: to display IDL information about a group of modules predefined in the IOALSUM table.

**Corrective Action:** No action is required.

IOAL24I SHOWSNAP - SHOW CONTENTS OF THE LAST IDL SNAP

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWSNAP modify command: to display the contents of the last IDL snapshot.

**Corrective Action:** No action is required.

IOAL27I HELP - SHOW LIST OF AVAILABLE MODIFY COMMANDS

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the HELP modify command: to display a list of available IDL modify commands.

**Corrective Action:** No action is required.

IOAL2CI SNAP - WRITE DOWN IDL SNAP INTO MEMORY

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SNAP modify command: to generate and write IDL snapshots into memory.

**Corrective Action:** No action is required.

IOAL2DI SHOWMODULE - SHOW IDL INFO ABOUT SPECIFIC MODULE OR MODULES[*]

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWMODULE modify command: to display IDL information about a specific module or modules.

**Corrective Action:** No action is required.
IOAL2EI WTOMODULE - WTO IDL INFO ABOUT SPECIFIC MODULE OR MODULES[*]

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the WTOMODULE modify command: to display IDL information on the console about a specific module or modules.

**Corrective Action:** No action is required.

IOAL2FI SHOWCSECT - SHOW IDL INFO ABOUT SPECIFIC CSECT OR CSECTS[*]

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWCSECT modify command: to display IDL information about a specific CSECT or CSECTs.

**Corrective Action:** No action is required.

IOAL2GI WTOCSECT - WTO IDL INFO ABOUT SPECIFIC CSECT OR CSECTS[*]

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the WTOCSECT modify command: to display IDL information on the console about a specific CSECT or CSECTs.

**Corrective Action:** No action is required.

IOAL2HI SHOWFULL - SHOW *FULL* IDL INFO ABOUT ENTIRE RUNNING CODE

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWFULL modify command: to display full IDL information about currently running code.

**Corrective Action:** No action is required.

IOAL2II SHOWLEVEL - SHOW MAIN IDL INFO ABOUT ENTIRE RUNNING CODE

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWLEVEL modify command: to display the main IDL information about the currently running code.

**Corrective Action:** No action is required.

IOAL2JI WTOLEVEL - WTO MAIN IDL INFO ABOUT ENTIRE RUNNING CODE

**Explanation:** This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the WTOLEVEL modify command: to display the main IDL information on the console about the currently running code.
Corrective Action: No action is required.

IOAL2KI SHOWUNKNOWN - SHOW LIST OF UNKNOWN ELEMENTs

Explanation: This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWUNKNOWN modify command: to display a list of CSECTs unknown to the IDL facility.

Corrective Action: No action is required.

IOAL2LI SHOWUNIDENT - SHOW LIST OF KNOWN BUT UNIDENTIFIED ELEMENTs

Explanation: This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWUNIDENT modify command: to display a list of the CSECTs that are known to the IDL facility but are unidentified.

Corrective Action: No action is required.

IOAL2MI SHOWFOREIGN - SHOW LIST OF FOREIGN (NON-BMC) ELEMENTs

Explanation: This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWFOREIGN modify command: to display a list of foreign CSECTs, that is, CSECTs not proprietary to BMC Software.

Corrective Action: No action is required.

IOAL2NI SHOWSHORT - SHOW LIST OF ELEMENTs THAT ARE TOO SHORT TO BE IDENTIFIED

Explanation: This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWSHORT modify command: to display a list of CSECTs too short to be identified.

Corrective Action: No action is required.

IOAL2OI SHOWMEMORY - DISPLAY MEMORY, MODULE OR CONTROL BLOCK (DATTRACE OUTPUT)

Explanation: This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the SHOWMEMORY modify command: to print memory, module, or control block into DATTRACE output.

Corrective Action: No action is required.

IOAL2PI REFRSUMMARY - REFRESH SUMMARY TABLE

Explanation: This information message indicates that an operator issued the IDL=HELP modify command and the IDL facility displayed the usage of the REFRSUMMARY modify command: to dynamically refresh the IOALSUM summary table.

Corrective Action: No action is required.
IOAL2QI DUP={ handle | ignore } - ALTER TREATING OF DUPLICATE MODULEs

Explanation: This information message is the response to the modify command IDL=HELP showing the DUP= IDL sub-command:

- handle - duplicate modules are handled as they are the original module.
- ignore - ignore duplicate modules. The first found module entry will contain the module description.

For more information about the Identity Level (IDL) facility, see the chapter about IOA administration in the INCONTROL for z/OS Administrator Guide.

Corrective Action: No action is required.

IOAL2RI DEFGROUP= - SET or CHANGE DEFAULT ID OF A GROUP OF MODULEs PRE-DEFINED IN SUMMARY TABLE

Explanation: This information message is the response to the modify command IDL=HELP showing the DEFGROUP= IDL sub-command.

For more information about the Identity Level (IDL) facility, see the chapter about IOA administration in the INCONTROL for z/OS Administrator Guide.

Corrective Action: No action is required.

IOAL2UI SNAPS CANNOT BE COMPARED: DUPLICATE MODULEs TREATING HAS CHANGED

Explanation: This information message indicates that the IDL facility cannot compare two snap tables because the duplicate mode was different when the two snap tables were made.

For more information about the Identity Level (IDL) facility, see the chapter about IOA administration in the INCONTROL for z/OS Administrator Guide.

Corrective Action: No action is required.

IOAL2VI DUPLICATE MODULEs WILL BE ={handle | ignore}. ; DEFAULT GROUP ID (groupId)

Explanation: This information message indicates how duplicate modules will be handled when found (duplicate mode):

- handle - duplicate modules are handled as they are the original module.
- ignore - ignore duplicate modules. The first found module entry will contain the module description.

For more information about the Identity Level (IDL) facility, see the chapter about IOA administration in the INCONTROL for z/OS Administrator Guide.

Corrective Action: No action is required.
IOAL2WI  HANDLING OF DUPLICATE MODULEs HAS BEEN ={ handle | ignore }

**Explanation:** This information message is the response to the modify command IDL= DUP={ handle | ignore } and indicates how the IDL facility handles duplicates modules:

- handle - duplicate modules are handled as they are the original module.
- ignore - ignore duplicate modules. The first found module entry will contain the module description.

For more information about the Identity Level (IDL) facility, see the chapter about IOA administration in the INCONTROL for z/OS Administrator Guide.

**Corrective Action:** No action is required.

IOAL2XW  MEMORY {address | size} IS NOT ALLOCATED

**Explanation:** This message indicates that the IDL facility received the SHOWMEMORY request; however, it has become clear that the specified memory is unavailable.

The current request fails. Processing continues.

**Corrective Action:** Correct and re-issue the SHOWMEMORY request.

IOAL2YE  FAILURE (code) TO {PROCESS | REFRESH} SUMMARY TABLE, SHOWGROUP SUPPORT DISABLED

**Explanation:** The IDL facility failed to process or refresh the IOALSUM summary table. The SHOWGROUP request is disabled.

**Corrective Action:** Try to correct the IOALSUM table and recycle the product. If this does not resolve the problem, contact BMC Software Customer Support.

IOAL2ZI  SUMMARY TABLE HAS BEEN {PROCESSED | REFRESHED} SUCCESSFULLY ADDRESS (add)

**Explanation:** This information messages indicates that the IDL facility successfully processed or refreshed the IOALSUM summary table.

**Corrective Action:** No action is required.

IOAL30W  ALL MODULES PROVIDED BY provider WILL NOT BE TRACKED BY IDL

**Explanation:** The Binder API will not handle any module retrieved from the provider system area. In this message, the only valid value for provider is LLA.

**Corrective Action:** No action is required.

IOAL31W  DATA INCOMPATIBLE WITH BUFFER VERSION

**Explanation:** The workmod data is incompatible with the specified buffer version.
INCONTROL for z/OS Messages Manual

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 08 and a reason code of 83000813.

No data is returned. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL32W INVALID WORKMOD TOKEN

Explanation: An invalid workmod token was received.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000001.

The request was rejected. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL33W INVALID DIALOG TOKEN

Explanation: An invalid dialog token was received.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000002.

The request was rejected. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL34W BINDER INVOKED FROM WITHIN USER EXIT

Explanation: A binder was invoked from within a user exit.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000003.

The request was rejected. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL35W INVALID FUNCTION CODE SPECIFIED

Explanation: An invalid function code was specified.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000004.

The request was rejected. Processing continues.
Corrective Action: Contact BMC Software Customer Support.

IOAL36W INVALID PARAMETER

Explanation: An invalid call parameter was specified.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000005.

The request was rejected. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL37W PASSED SYMBOL CONTAINS UNACCEPTABLE CHARACTERS

Explanation: A symbol passed in the parameter list contains characters outside the range acceptable to the binder.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000007.

The current request to the IDL facility fails. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL38W WRONG NUMBER OF ARGUMENTS SPECIFIED

Explanation: The wrong number of arguments was specified.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000008.

The request was rejected. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL39W PARAMETER LIST CONTAINS INVALID ADDRESS

Explanation: One or more parameters not accessible by the binder.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000009.

The request was rejected. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL3AW PARAMETER LIST IS NOT ADDRESSABLE BY THE BINDER

Explanation: The parameter list was not addressable by the binder.
This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 8300010.

The request was rejected. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL3BW IMPROPER COMBINATION OF PARAMETERS

**Explanation:** An invalid combination of parameters was specified.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 12 and a reason code of 83000101.

The request was rejected. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL3CW STORAGE LIMIT ESTABLISHED BY WORKSPACE OPTION EXCEEDED

**Explanation:** The storage limit established by the workspace option was exceeded.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 16 and a reason code of 83000050.

The dialog was terminated. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL3DW INSUFFICIENT STORAGE AVAILABLE

**Explanation:** Insufficient storage was available.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 16 and a reason code of 83000051.

The dialog was terminated. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAL3EW OPERATING SYSTEM NOT AT CORRECT DFSMS/MVS LEVEL

**Explanation:** The operating system was not at the correct DFSMS/MVS level. No dialog was established and the requested function was not processed.
This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 16 and a reason code of 83000060.

The current request to the IDL facility fails. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL3FW IEWBIND MODULE COULD NOT BE LOADED

Explanation: The IEWBIND module could not be loaded.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 16 and a reason code of 83000FFF.

The current request to the IDL facility fails. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL3GW BINDER LOGIC ERROR

Explanation: A binder logic error occurred.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 16 and a reason code of 83EE2900.

The dialog was terminated. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL3HW BINDER ABEND OCCURRED WITH AAA ABEND COMPLETION CODE

Explanation: A binder abend occurred with a system abend completion code of AAA.

This message is preceded by message IOAL09W, which contains a specific combination of return and reason codes returned by the IBM Binder API. For further explanation of the Binder API, see the IBM manual z/OS MVS Program Management: Advanced Facilities. In this case, message IOAL09W contains a return code of 16 and a reason code of 83FFAAA0.

The dialog was terminated. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAL3YW IDL RECOVERY EXIT INTERCEPTED ABEND(abCode); PROCESSING WILL BE RETRIED

Explanation: The Recovery exit of the IDL facility intercepted an abend (abCode) that took place in IDL code, and an attempt will be made to retry processing.

The following system actions occur:
- A DUMP is issued.
- The IDL facility is disabled.
- The ABEND is contained and processing continues.

**Corrective Action:** Forward the DUMP to BMC Software Customer Support.

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**IOAL3ZW IDL RECOVERY EXIT INTERCEPTED ABEND(\textit{abCode}); IMPOSSIBLE TO RETRY**

**Explanation:** The Recovery exit of the IDL facility intercepted an abend (\textit{abCode}) that took place in IDL code, and an attempt to retry processing is not possible.

The following system actions occur:

- A DUMP is issued.
- The ABEND is percolated.

**Corrective Action:** Forward the DUMP to BMC Software Customer Support.

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**IOAL41I INITIALIZING IOAIDL**

**Explanation:** This information message indicates that the program is going to initialize the IDL facility.

**Corrective Action:** No action is required.

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**IOAL42W FAILED TO RELEASE DESB BLOCK**

**Explanation:** The program failed to release the memory allocated for the DESB block.

**Corrective Action:** No action is required.

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**IOAL43I TERMINATING IOAIDL**

**Explanation:** This information message indicates that the program is going to terminate the IDL facility.

**Corrective Action:** No action is required.

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**IOAL44W FAILED TO TERMINATE IDL**

**Explanation:** The program failed to terminate the IDL facility.

**Corrective Action:** No action is required.

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**IOAL45W FAILED TO CLOSE THE LOAD DATA SET**

**Explanation:** The program failed to close the load data set.

**Corrective Action:** No action is required.

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**IOAL46I CREATING THE SORT CONTROL STATEMENT**

**Explanation:** This information message indicates that the program is going to create the sort control statement.

**Corrective Action:** No action is required.
IOAL47E FAILED TO CLOSE THE DAPRMDF DATA SET

Explanation: The program failed to close the data set containing the sort control statement. The program terminates with a return code of 8.
Corrective Action: No action is required.

IOAL48W FAILED TO RELEASE THE STORAGE

Explanation: The program failed to release the previously allocated storage.
Corrective Action: No action is required.

IOAL49E FAILED TO SETUP ESTAE

Explanation: The program failed to setup the recovery routine. The program terminates with a return code of 8.
Corrective Action: No action is required.

IOAL4AE I/O ERROR OCCURED DURING PROCESSING DAPRIDL

Explanation: The program failed while processing the data set allocated to DAPRIDL. The program terminates with a return code of 12.
Corrective Action: Fix the data set’s allocation attributes in the job.

IOAL4BE BAD PARAMETER RECEIVED

Explanation: The program received an invalid parameter. The program terminates with a return code of 8.
Corrective Action: Fix the program’s PARM string in the job.

IOAL4CE IOASTOR GETMAIN FAILED

Explanation: The program failed to allocate storage below the line. The program terminates with a return code of 8.
Corrective Action: Increase the REGION and rerun the program.

IOAL4DE FAILED TO OPEN THE LOAD DATA SET

Explanation: The program failed to open the load data set. The program terminates with a return code of 8.
Corrective Action: Ensure that the load data set can be opened.

IOAL4EE FAILED TO OPEN THE DAPRMDF DATA SET

Explanation: The program failed to open the sort control statement data set. The program terminates with a return code of 8.
**Corrective Action:** Ensure that the DAPRMDF data set can be opened.

**IOAL4FE FAILED TO PUT TO DAPRMDF DATA SET**

**Explanation:** The program failed to put the data into the sort control statement data set. The program terminates with a return code of 12.

**Corrective Action:** Fix the allocation attributes of the data set in the job.

**IOAL4GE DESERV FAILED**

**Explanation:** The program failed during execution of the DESERV macro. The program terminates with a return code of 12.

**Corrective Action:** Check the validity of the load data set definition.

**IOAL4HE IOAIL INITIALIZATION FAILED**

**Explanation:** The program failed to initialize the IDL facility. The program terminates with a return code of 8.

**Corrective Action:** Check the IDL facility trace messages in order to detect the source of the problem.

**IOAL4IE BLDL FAILED FOR THE MODULE modName**

**Explanation:** The BLDL macro failed for the `modName` module. The program terminates with a return code of 12.

**Corrective Action:** Check the properties of the `modName` module.

**IOAL4JE TERMINATING BECAUSE LOAD FAILURE**

**Explanation:** The program failed to load a member from the load data set. The program terminates with a return code of 12.

**Corrective Action:** No action is required.

**IOAL4KE IOAIL SHOWGROUP FAILED**

**Explanation:** The IDL facility failed to execute the SHOWGROUP request. The program terminates with a return code of 12.

**Corrective Action:** Check the IDL facility trace messages to detect the source of the problem.

**IOAL4LI GROUPID: groupId**

**Explanation:** This message is issued for a SHOWGROUP request. In this message, `groupId` is a predefined group of modules, as listed in the IOALSUM Summary Table.

**Corrective Action:** No action is required.
Messages IOAM00 through IOAMxx

This group includes messages for the IOA (infrastructure) product.

**IOAM01I FUNCTIONAL MONITOR STARTED**

**Explanation:** This information message indicates that the Functional monitor was started.

**Corrective Action:** No action is required.

**IOAM02E FUNCTIONAL MONITOR NOT APF-AUTHORIZED**

**Explanation:** The Functional monitor is not APF authorized. The IOAFMON module is not in an APF authorized library, and it does not have the AC=1 attribute.

The Functional monitor ends with a return code of 8.

**Corrective Action:** Add the name of the library in which IOAFMON resides to the IEAAPF00 member in the SYS1.PARMLIB library.

**IOAM03E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:**

**Explanation:** An invalid parameter was passed to the Functional monitor by means of a modify command. Following this message, one or copies of message IOAM14I appear on the operator console, each containing a valid modify parameter.

The modify command is ignored.

**Corrective Action:** Specify the modify command with a valid parameter.

**IOAM04E BLDL/ATTACH FAILED FOR SUBTASK taskName**

**Explanation:** Initialization of one of the Functional monitor subtasks failed. Possible causes are:

- The specified subtask is not found in the IOA LOAD library.
- Insufficient storage is available for the Functional monitor.

The Functional monitor shuts down.

**Corrective Action:** Call your system programmer for assistance. If necessary, increase the region size of the Functional monitor.

**IOAM05E UNRECOVERABLE ERROR ENCOUNTERED**

**Explanation:** An unrecoverable error occurred in the IOA Functional Monitor.

The IOA Functional Monitor stops running.

**Corrective Action:** Check for any accompanying message that describe the nature of the problem, correct accordingly, and restart the monitor.

**IOAM06E ONE OF THE FUNCTIONAL MONITOR SUBTASKS HAS ABENDED**

**Explanation:** A subtask of the Functional monitor abended.
The Functional monitor shuts down with user abend 0006. A dump of the abending subtask is included in the SYSABEND output file.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

**IOAM07I SHUT DOWN ON REQUEST FROM OPERATOR**

**Explanation:** This information message indicates that an operator command requesting shutdown of the Functional monitor was issued.

The Functional monitor starts to shut down.

**Corrective Action:** No action is required.

**IOAM10W FUNCTIONAL MONITOR IS ALREADY ACTIVE. QNAME "qName"**

**Explanation:** A Functional monitor was started with the same QNAME as an already active Functional monitor. It is impossible to run two Functional monitors with the same QNAME at the same time.

The newly started Functional monitor is shut down.

**Corrective Action:** No action is required.

**IOAM11I FUNCTIONAL MONITOR SHUTTING DOWN**

**Explanation:** This information message indicates that the Functional monitor is shutting down. Messages describing the reason for the shutdown are in at least one of the following:

- The IOA Log.
- The Functional monitor JES messages file.
- The Functional monitor SYSPRINT file.

**Corrective Action:** If the shutdown was not requested, check messages in the above mentioned locations for more information on the reasons for the shutdown.

**IOAM12S FUNCTIONAL MONITOR ENDED WITH ERROR**

**Explanation:** The Functional monitor ended with an error. Messages describing the error may be in the following locations:

- The IOA Log.
- The Functional monitor JES messages file.
- The Functional monitor SYSPRINT file.

The Functional monitor shuts down.

**Corrective Action:** Check the above mentioned locations for the reasons for the error. If necessary, ask your system programmer for assistance.
IOAM13E INTERVAL MUST BE A TWO-DIGIT NUMBER BETWEEN 03 AND 99 SECONDS

Explanation: An invalid Functional monitor Sleeping Interval was specified in a modify command. The Functional monitor Sleeping Interval is specified in seconds. It must be a 2-digit value from 03 through 99.

The modify command is ignored.

Corrective Action: Enter the following modify command with a valid sleeping interval: F monitorname,INTERVAL=xx

IOAM14I valid_parm

Explanation: An invalid parameter was specified for a modify command. In this message, valid_parm is a valid modify parameter for the relevant command. This information message follows message IOAM03E. It may be issued more than once, with each occurrence specifying another valid parameter.

Corrective Action: No action is required.

IOAM15I FUNCTIONAL MONITOR INTERVAL IS SET TO "nn" SECONDS

Explanation: This information message indicates that the specified Functional monitor sleeping interval (nn) has been set by means of a modify command.

Corrective Action: No action is required.

IOAM16S INSUFFICIENT MEMORY FOR IOA FUNCTIONAL MONITOR

Explanation: The available storage is insufficient for execution of the Functional monitor. The Functional monitor shuts down.

Corrective Action: Increase the region size and restart the Functional monitor.

IOAM17S SEVERE INTERNAL ERROR WHILE PROCESSING AUTOEDIT INSTRUCTIONS, RC=rc SERVICE serv

Explanation: An internal error was detected during the AutoEdit initialization phase of the specified service. In this message, rc is the return code from the AutoEdit initialization phase.

The service is shut down, and as a result the Functional monitor shuts down.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

IOAM18I UNSERVICEABLE REQUEST FROM taskName. TYPE: taskType. REQUEST IGNORED

Explanation: When an input task attempted to place a request in queue for the Functional monitor no executor was found in the IOAFMON table for this request. This message indicates an internal error.

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **taskName** - the name of the input task.
- **taskType** - the type of request.

The request is ignored.

**Corrective Action:** Contact BMC Software Customer Support.

**IOAM19S SERVICE service CANNOT PROCESS REQUESTS FROM TYPE "type"**

**Explanation:** An internal error occurred during the validity checks phase of the specified service. The service is shut down and as a result the Functional monitor shuts down.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**IOAM20S INTERNAL ERROR IN FUNCTIONAL MONITOR. RC=rc**

**Explanation:** The Functional monitor encountered a severe internal error. The Functional monitor shuts down.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**IOAM21S SERVICE serv FAILED TO LOAD MODULE CTMJ SP**

**Explanation:** The specified service failed to load the CTMJ SP module. Possible causes are:
- The IOA LOAD library is not in the load modules search list.
- Insufficient memory is available to load the CTMJ SP module.
- The CTMJ SP module does not exist in the IOA LOAD library.

The service shuts down and, as a result, the Functional monitor shuts down.

**Corrective Action:** Correct the problem and restart the Functional monitor.

**IOAM22S INSUFFICIENT MEMORY**

**Explanation:** The IOAFCPL utility was unable to obtain the necessary main storage. The IOAFCPL utility is ended.

**Corrective Action:** Increase the region size for the IOAFCPL utility.

**IOAM23S CANNOT OPEN FMLOG FILE**

**Explanation:** An attempt to open the Functional monitor Log failed. The FMLOG DD statement may be missing or in error in the JCL of the Functional monitor.

The Functional monitor is shut down.

**Corrective Action:** Check and correct the FMLOG DD statement. Restart the Functional monitor.
IOAM24S FMLOG FILE IS FULL

**Explanation:** Either the Functional monitor or the IOAFCPL utility determined that writing the next record into the FMLOG file would destroy previously written information that is not yet obsolete. FMLOG is a cyclic file with periodic checkpoints. A checkpoint is a record of all information in the queue of the functional monitor at a given time. Possible causes are:

If the FMLOG file is too small, this message may result from an attempt to write a new checkpoint to the FMLOG file. If an FMLOG file bigger than 100 tracks is allocated, it will never become full, thereby preventing the problem indicated by this message.

The Functional monitor shuts down.

**Corrective Action:** Allocate a bigger FMLOG file, and copy the contents of the old file into the new one by means of the IOAFCPL utility.

IOAM25S LOGICAL ERROR IN FMLOG. RESTORE FMLOG FROM BACKUP OR ALLOCATE A NEW FILE

**Explanation:** The last checkpoint could not be found in the Functional monitor Log (FMLOG). The FMLOG file is unusable. This message indicates an internal error.

The program that issued this message is terminated.

**Corrective Action:** Suggested actions:

- Allocate a new FMLOG file, or restore it from backup and restart the Functional monitor.
- Report the problem to BMC Software Customer Support, and supply a copy of the FMLOG file, the IOA Log, and output from the last IOAFMON execution.

IOAM26W SHOUT DESTINATION TABLE dest_table WAS NOT LOADED

**Explanation:** Loading of the shout destination table (dest_table) failed. Possible causes are:

- The IOA LOAD library is not in the load modules search list.
- Insufficient memory is available to load the dest_table member.
- The dest_table member does not exist in the LOAD library.

**Corrective Action:** Correct the problem and issue the modify command with the NEWDEST parameter.

IOAM27E NEWDEST PARAMETER MISSING OR INVALID

**Explanation:** Invalid NEWDEST command was given to Functional monitor. Valid format is NEWDEST or NEWDEST=dest_table.

The modify command is rejected.

**Corrective Action:** Enter a valid NEWDEST modify command. The format is: F monitorname,NEWDEST/NEWDEST=dest_table.

IOAM28I FORMATTING FMLOG FILE

**Explanation:** This information message indicates that the Functional monitor now starting, determined that the FMLOG is in an invalid format.
The Functional monitor reformats the FMLOG file.

**Corrective Action:** No action is required.

**IOAM29S I/O ERROR:** `explan`

**Explanation:** I/O error occurred on FMLOG the file. In this message, `explan` is the information provided about this error by MVS macro SYNADAF.

The program that issued this message is terminated.

**Corrective Action:** Allocate a new FMLOG file, or restore the old one from backup. If the text in this message indicates a software related problem, report it to BMC Software Customer Support and send a copy of the FMLOG file.

**IOAM30I NEWDEST COMMAND ACCEPTED:** `NEWDEST=dest_table`

**Explanation:** This information message indicates that a NEWDEST operator command was passed to Functional monitor and was accepted.

The Functional monitor directs shout messages according to the new destination table.

**Corrective Action:** No action is required.

**IOAM33S FUNCTIONAL MONITOR INITIALIZATION PHASE FAILED**

**Explanation:** The initialization phase of the Functional monitor failed. Messages describing the error can be found in the following locations:

- the IOA Log
- the Functional monitor JES messages file
- the Functional monitor SYSPRINT file

The Functional monitor shuts down.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**IOAM34I USER EXIT IOAX038 WAS NOT LOADED**

**Explanation:** This information message indicates that user exit IOAX038 is not active. The exit was probably deleted. Exit IOAX038 checks each request to be written to the request queue.

Processing proceeds without checking requests written to the request queue.

**Corrective Action:** Check if exit IOAX038 was deleted from the IOA Load library. Notify your INCONTROL administrator.

**IOAM35I REQUEST FROM taskName TYPE taskType REJECTED BY exitName**

**Explanation:** An exit called to validate a request produced a non-zero return code.

The variables in this message are:
taskName - The name of the input subtask that supplied the request.

taskType - The request type.

exitName - The exit that rejected the request. In this message, IOAX038 or IOASE38.

The request is not processed.

Corrective Action: No action is required.

IOAM36W DO-SET REQUEST FAILED. MEMBER=memName, DSN=dsn, LINE=lin

Explanation: Processing of a DO SET request failed. The Functional monitor failed to add the specified line to the specified member in the dsn data set.

The Functional monitor does not perform this DO SET command, and proceeds to handle subsequent requests.

Corrective Action: For more information, look for previous messages in the IOA Log and in the DASETPRT DD statement, which is allocated by the Functional monitor.

IOAM37I DO-SET REQUEST PERFORMED. MEMBER=memName, DSN=dsn, LINE=lin

Explanation: This information message indicates that a DO SET request was successfully performed. The Functional monitor inserted the lineNum line into the memName member in the dsn data set.

Corrective Action: No action is required.

IOAM38S CANNOT OPEN THE type FILE

Explanation: Open failed for input or output file. The DD statement specifying this file is either missing or in error.

In this message, type is the type of file that failed to open. Valid values are:

- INPUT
- OUTPUT.

The program that issued this message is terminated.

Corrective Action: Correct the JCL and restart the program.

IOAM39S INCORRECT FORMAT OF INPUT FILE

Explanation: The input file specified for the IOAFCPL utility is not in correct FMLOG format.

The IOAFCPL utility is terminated.

Corrective Action: Verify that the FMLOGI DD statement points to a valid FMLOG file.

Messages IOAP00 through IOAPxx

This group includes messages for the IOA (infrastructure) product.
IOAP01I - IOAP2AI Information messages issued by the IOADPT utility to display IOA Access Method file data component attributes as they are in the control record.

**Explanation:** These messages are issued by the IOADPT utility when FUNC=DB0 is specified.

**Corrective Action:** No action is required.

IOAP2BI ESTIMATED FREE SPACE num%

**Explanation:** This information message displays the estimated percentage of free space remaining in an IOA Access Method file.

**Corrective Action:** No action is required.

IOAP2EW SECONDARY SPACE IS NOT DEFINED FOR THE USER FILE dsn

**Explanation:** This warning message indicates that the secondary space is not defined for the user file dsn. The message is issued only when the IOADPT utility is run with the FUNC parameter set to CHKSPACE.

The utility continues processing, however, when the utility finishes it ends with a return code of 4.

**Corrective Action:** Use the following procedure to resolve this issue:

1. Check the User file definitions in the DEFxxx member
2. Specify secondary space in the DEFxxx member
3. Run the IOADBF utility with the FUNC parameter set to CHANGE

IOAP2FW AUTOMATIC ALLOCATION OF NEW EXTENTS IS NOT DEFINED FOR THE USER FILE dsn

**Explanation:** This warning message indicates that the option to automatically extend the file is not specified for the user file dsn. The message is issued only when the IOADPT utility is run with the FUNC parameter set to CHKSPACE.

The utility continues processing, however, when the utility finishes it ends with a return code of 4.

**Corrective Action:** Use the following procedure to resolve this issue:

1. Check the User file definitions in the DEFxxx member.
2. Specify EXTEND=A in the DEFxxx member
3. Run the IOADBF utility with the FUNC parameter set to CHANGE

IOAP2GW NUMBER OF EXTENTS FOR THE USER FILE dsn MORE THEN 50

**Explanation:** This warning message indicates that the number of extents for the specified user file dsn is more then 50. This warning is issued because a large number of extents can adversely impact performance when accessing the user file. The message is issued only when the IOADPT utility is run with the FUNC parameter set to CHKSPACE.

The utility continues processing, however, when the utility finishes it ends with a return code of 4.
**Corrective Action:** Check the User file definitions in the DEFxxx member. If the reason of for the large number of extents is a small secondary space definition, increase the space values in the DEFxxx member. Then perform a reorganization of the User file reformatting the files with the new SPACE parameters.

**IOAP21W FREE SPACE IN THE USER FILE dsn REACHED THE THRESHOLD CAPACITY**

**Explanation:** This warning message indicates that the free space in the specified user file dsn has reached the threshold capacity and neither the secondary space or the automatically extend option were specified. This warning message is issued when one of the following conditions is true:

- estimated free space in the Data component is less then 15 percent of the total space
- free space in the Index component is less then 5 percent of the total space

The message is issued only when the IOADPT utility is run with the FUNC parameter set to CHKSPACE.

**Corrective Action:** Check the User file definitions in the DEFxxx member. If the reason of for the large number of extents is a small secondary space definition, increase the space values in the DEFxxx member. Then perform a reorganization of the User file reformatting the files with the new SPACE parameters.

**IOAP30I IOAPFSTC UTILITY STARTED**

**Explanation:** This information message indicates that the IOAPFSTC utility, which prints IOA Application Server performance statistic reports, started.

**Corrective Action:** No action is required.

**IOAP31E INVALID PARAMETER: parm**

**Explanation:** The parm input parameter specified for the IOAPFSTC utility is not valid. The utility stops with return code 16.

**Corrective Action:** Correct the invalid input parameter in the JCL and resubmit the job. For more information, see the IOAPFSTC utility in the INCONTROL for z/OS Utilities Guide.

**IOAP32E REDUNDANT PARAMETER: parm**

**Explanation:** The parm input parameter for IOAPFSTC utility is specified twice although it can only be specified once in this statement. The utility stops with return code 16.

**Corrective Action:** Remove the redundant input parameter from the JCL and resubmit the job. For more information, see the IOAPFSTC utility in the INCONTROL for z/OS Utilities Guide.

**IOAP33E INVALID LENGTH OF  PARAMETER parm**

**Explanation:** The length of the parm input parameter is not available for this parameter. The utility stops with return code 16.
**Corrective Action:** Correct the invalid input parameter in the JCL and resubmit the job. For more information, see the IOAPFSTC utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAP34E REQUIRED PARAMETER parm IS NOT SPECIFIED**

**Explanation:** The obligatory parm input parameter is not specified in the input stream for the IOAPFSTC utility.

The utility stops with return code 16.

**Corrective Action:** Correct the input parameter in the JCL and resubmit the job. For more information, see the IOAPFSTC utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAP35E INCORRECT COMBINATION OF DATEFROM AND DATETO VALUES**

**Explanation:** The end date specified in the parameter DATETO is less than the beginning date specified in the parameter DATEFROM.

The utility stops with return code 16.

**Corrective Action:** Correct the input parameter in the JCL and resubmit the job. For more information, see the IOAPFSTC utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAP36W PARAMETER parm IS IGNORED FOR FUNCTION=CLEAN**

**Explanation:** This warning message is issued when the parm parameter is specified for FUNCTION=CLEAN in the IOAPFSTC utility input parameters. No additional parameters are processed for FUNCTION=CLEAN. The parm parameter is ignored.

**Corrective Action:** Check the input parameters specified for the utility. Correct the parameters and resubmit the job if it is necessary. For more information, see the IOAPFSTC utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAP3AW NO PERFORMANCE STATISTIC RECORDS IN PERMANENT USER FILE**

**Explanation:** The IOAPFSTC utility has not found any IOA Application Server performance statistic records in the Permanent User File. This can occur if the statistic collecting is not activated at the site (optional wish WIN102 is set to APPLY=NO).

**Corrective Action:** If necessary, apply the optional wish WIN102.

**IOAP3BI nnnnn PERFORMANCE STATISTIC RECORDS HAVE BEEN READ**

**Explanation:** This information message indicates how many IOA Application Server performance statistic records were read from the Permanent User File during the IOAPFTSC utility run.

**Corrective Action:** No action is required.

**IOAP3CI nnnnn PERFORMANCE STATISTIC RECORDS HAVE BEEN SELECTED**

**Explanation:** This information message indicates how many IOA Application Server performance statistic records have been selected according to selection parameters specified for the utility IOAPFTSC.

1976
IOAP3DI  \textit{nnnnn} PERFORMANCE STATISTIC RECORDS HAVE BEEN DELETED

**Explanation:** This information message indicates how many old IOA Application Server performance statistic records have been deleted from the Permanent User File during the IOAPFTSC utility run with FUNCTION=CLEAN.

**Corrective Action:** No action is required.

IOAP3EI IOAPFTSC UTILITY ENDED SUCCESSFULLY

**Explanation:** This information message indicates the utility IOAPFTSC ended successfully.

**Corrective Action:** No action is required.

Messages IOAQ00 through IOAQxx

This group includes messages for the IOA (infrastructure) product.

IOAQ01S APPLICATION SERVER VERSION \textit{srvr} IS ACTIVE

**Explanation:** This information message indicates that the IOA Application server has been initiated and is ready to receive requests.

**Corrective Action:** No action is required.

IOAQ02S LOADING OF RECIPIENT TREE FAILED

**Explanation:** The Control-D Recipient Tree could not be loaded during initialization of the Application server.

The IOA Application server is terminated.

**Corrective Action:** Correct the problem with the Recipient Tree and restart the Application server.

IOAQ03S LOADING OF APPROVAL TREE FAILED

**Explanation:** The Control-D Approval Tree could not be loaded during initialization of the Application server.

The IOA Application server is terminated.

**Corrective Action:** Correct the problem with the Approval Tree and restart the Application server.

IOAQ04E MODIFY COMMAND INVALID

**Explanation:** The user sent an invalid MODIFY (F) command to the IOA Application server. The list of valid MODIFY commands is displayed on the operator console.

The invalid command is ignored.

**Corrective Action:** Reissue a valid MODIFY command.
IOAQ05W INVALID TIMEOUT VALUE PASSED. DEFAULT num SEC IS SET

Explanation: This warning message indicates that an invalid timeout value was passed by IOAGATE when the IOA Application server was started. The invalid value is ignored and default value will be used.

Corrective Action: No action is required.

IOAQ07E CONTROL MESSAGE OF UNKNOWN TYPE HAS BEEN RECEIVED FROM MANAGER

Explanation: This message indicates that a control message of an invalid type was passed by IOAGATE. The control message is ignored.

Corrective Action: Report the problem.

IOAQ08W INVALID MAXMSGSZ VALUE PASSED. DEFAULT XXXXX IS SET.

Explanation: Since an invalid value was specified for the MAXMSGSZ parameter in the ECAAPPL member, MAXMSGSZ is set to its default value instead.

Corrective Action: Specify a correct value for the MAXMSGSZ parameter in the ECAAPPL member of the IOAENV library.

IOAQ10E MAILBOX opn ERROR. RC=rc

Explanation: The specified Mailbox operation (READ or WRITE) failed. The IOA Gateway and the IOA Application server communicate through mailboxes. The Application server subtask is terminated.

Corrective Action: Report the problem, the return code, and any additional relevant messages to BMC Software Customer Support.

IOAQ11E INVALID REQUEST TYPE reqType

Explanation: The IOA Application server received a request of an unknown type. The request is probably not recognized by the Application server because the software on the mainframe and the PC are not the same release level.

The request is ignored and this error message is sent to the client.

Corrective Action: Do not use the feature that is discussed in this message until the appropriate software is upgraded.

IOAQ12E SESSION HANDLE NOT FOUND

Explanation: The IOA Application server received a request from a client, but a corresponding session did not exist. The session was probably terminated due to a timeout, a restart of the IOA Gateway, or a restart of the IOA Application server.

The request is ignored and this error message is sent to the client.

Corrective Action: Exit the problematic session and start a new session.
IOAQ13E USER userId NOT AUTHORIZED

**Explanation:** An unauthorized user attempted to log in to the IOA Application server. The user name or password is checked by Security Exit IOAX016 through the security subsystem, for example, RACF, ACF2SAF, or Top Secret.

The request is ignored and this error message is sent to the client.

**Corrective Action:** If the user is authorized to use the server, set the authorized user name and password in the client software.

IOAQ14I SESSION FOR USER userId TERMINATED DUE TO TIMEOUT

**Explanation:** This information message indicates that the IOA Application server terminated a session that was dormant longer than the specified timeout interval. The timeout interval is specified in the TIMEOUT parameter in the Application server declaration. For details see the parameters for IOAGATE.

The session is terminated. All storage areas connected with the session in the Application Server are freed.

**Corrective Action:** Exit the problematic session and start a new session.

IOAQ15I USER userId LOGGED IN APPLICATION SERVER

**Explanation:** This information message indicates that the Application server started a new session for the specified user.

**Corrective Action:** No action is required.

IOAQ16I USER userId LOGGED OUT. USED CPU TIME nnnnn.nn SEC

**Explanation:** This information message indicates that the Application server terminated a session for the specified user. This message reports the CPU time used.

**Corrective Action:** No action is required.

IOAQ17I USER STATUS LAST REQ CPU TIME

**Explanation:** This information indicates that the IOA Application server processed the DISPLAY (D) command successfully. This message displays the column headings for information supplied by message IOAQ18I, which follows. The DISPLAY (D) command displays a list of active sessions.

**Corrective Action:** No action is required.

IOAQ18I userId stat last cpuTime

**Explanation:** This information message displays information about a currently open session for the IOA Application server. The first occurrence of this information message always follows the IOAQ17I message. Multiple occurrences of this information message display a table of currently open sessions. IOAQ18I is displayed in response to a DISPLAY (D) command. The IOAQ19I message follows immediately after the last occurrence of this message. The following information is included in each occurrence of this message:
userId - the user ID of the user currently logged on to the system

stat - the current status of the user

last - time of the last request made by this user in hh:mm format

cpuTime - the amount of CPU time used by this user during the current session in the format sssss.th, where
  
  • sssss - seconds
  • t - tenths of seconds
  • h - hundredths of seconds

**Corrective Action:** No action is required.

**IOAQ19I TOTAL NUMBER OF SESSIONS IS num**

**Explanation:** This information message indicates the total number of sessions open for the IOA Application server. This message marks the end of a table displayed by IOAQ18I and IOAQ17I messages. These messages are displayed in response to a DISPLAY command sent to the IOA Application server.

**Corrective Action:** No action is required.

**IOAQ1AE INVALID PARAMETERS FOR PERFORMANCE STATISTICS ACCUMULATION PROGRAM**

**Explanation:** This message is issued because of an internal error. Performance statistics cannot be accumulated.

**Corrective Action:** Report the problem.

**IOAQ1BE PERFORMANCE STATISTICS CANNOT BE INITIATED**

**Explanation:** This message can be issued if the IOAPFST module, which accumulates performance statistics, is absent from the STEPLIB library, or because of an internal error. This message can appear at the start of the application server or after the STATINIT MODIFY command. Performance statistics collection is not initiated. The MODIFY command is ignored.

**Corrective Action:** If the module is present, report the problem to BMC Customer Support.

**IOAQ1CI PERFORMANCE STATISTICS INITIATED**

**Explanation:** This information message is normal reaction on MODIFY command STATINIT.

**Corrective Action:** No action is required.

**IOAQ1DI PERFORMANCE STATISTICS TERMINATED**

**Explanation:** This information message is a normal reaction to the MODIFY command STATTERM.

**Corrective Action:** No action is required.
IOAQ1EE INVALID PARAMETERS FOR TRACE LIMITATION PROGRAM

Explanation: This message is issued because of an internal error. Trace cannot be limited.
Corrective Action: Report the problem to BMC Customer Support.

IOAQ1FE TRACE LIMITATION CANNOT BE INITIATED/SHOWN

Explanation: This message can be issued if the IOATRSRP module, which performs perfromance trace limitation commands, is absent from the STEPLIB library, or because of an internal error. This message can appear after MODIFY command TRCSHARP.
Performance statistics collection is not initiated.
The MODIFY command is ignored.
Corrective Action: If the module is present, report the problem to BMC Customer Support.

IOAQ20E ACCESS DENIED FOR USER userId: rsn

Explanation: A user tried to log on to the IOA Application server. However, the IOASE16 security module or the IOAEX16 user exit rejected the request. The message displays the reason provided by the security package for rejecting the user. Your security software documentation will have an explanation of the reason code.

- userId - the name of the user
- rsn - the reason for denying access

The login request is rejected.
Corrective Action: Check that the user name and password are spelled correctly and retry. If necessary, contact your security administrator.

IOAQ21E Output message of xxxxxxxx exceeds the allowed max value

Explanation: The OUTPUT message created by Application Server for Control-D/WebAccess server, is longer than the value defined by the MAXMSGSZ parameter in the ECAAPPL member of the IOAENV library. The request is not performed. Additional information is written to DATRACE.
Corrective Action: Check the IOA Log and the system log for additional error messages. Report the problem, DATRACE content, and any additional error messages to BMC Software Customer Support.

IOAQ22E Initialization of application U failed

Explanation: Application U, specified in the IOA Application Server declaration (see IOAGATE parameters), could not be initiated. The message can be preceded with other messages, which provide further explanation.
The application is not initiated and is available for requests.
Corrective Action: If possible, correct the problem and restart the Application server. Otherwise, report the problem, supplying all appropriate messages.
IOAQ23E CPU limit has been exceeded for the request

**Explanation:** The amount of CPU required for processing the Control-D/WA request exceeds the value set in the optional wish WD3473. The request processing has terminated.

**Corrective Action:** Examine the selection parameters for the report list request to find the probable cause of the long processing time. Alternately, try increasing the value of the WD3473 optional wish.

IOAQ24E Application has not been found for user UUUUUUUU

**Explanation:** A user tried to log on to the IOA Application server. However, his request can be served. The user sent a request with the code of an application that has not been initiated in this Application server. The reasons can be as follows:

- Software on the mainframe and the PC are not of the same release level.
- The application is specified in the Application server declaration, but the Application server does not support this feature.
- Initiation of the application failed when the Application server started. In this case this message is preceded with the message IOAQ22E.

The request is ignored and this error message is sent to the client.

**Corrective Action:** Do not use the feature that explains this message until the appropriate software is upgraded, or repeat the request after the Application server restart if the reason for the IOAQ22E message can be corrected.

IOAQ25W TOTAL NUMBER OF SESSIONS HAS BEEN EXCEEDED LIMIT OF 800 SESSIONS

**Explanation:** This warning message indicates that the number of sessions opened in Application Server exceeded the limit of 800 sessions. This limit is designed to prevent insufficient memory problems in Application Server.

**Corrective Action:** Define an additional Control-D Application Server for the IOA Gateway.

IOAQ30S IOAREQ ERROR. RC=rc

**Explanation:** The IOA Application server executor subtask failed to retrieve a request from the queue. The executor subtask processes requests such as OPEN/CLOSE operations from other subtasks inside the Application server address space.

The Application server abends with code U0005.

**Corrective Action:** Contact BMC Software Customer Support.

IOAQ31E ABEND DURING REQUEST EXECUTION

**Explanation:** The Application Server executor subtask detected an error while processing a request. The executor subtask processes requests such as OPEN/CLOSE operations from other subtasks inside the Application Server address space.

The current request abends. Processing continues with the next request.

**Corrective Action:** Report the problem to BMC Software Customer Support. Supply the abend sysout produced at the time of the problem.
Messages IOAS00 through IOASxx

This group includes messages for the IOA (infrastructure) product.

IOAS01I DATABASE REORGANIZATION STARTED

**Explanation:** This information message indicates that an IOA Access Method (IAM) file data component record reorganization started. While processing an IAM file data component, the I/O performance degradation threshold was reached. To maximize I/O performance, the IAM file data component records are dynamically sorted.

**Corrective Action:** No action is required.

IOAS02I DATABASE REORGANIZATION ENDED WITH RC=rc

**Explanation:** This information message indicates that an IOA Access Method (IAM) file data component record reorganization process ended. The IAM file data component dynamic record sorting process completed with the indicated return code.

**Corrective Action:** If IAM reorganization ended with a non-zero return code, check the IOA Log file and system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unsolved, contact BMC Software Customer Support.

IOAS03I DCBOUT OPEN ERROR

**Explanation:** The file referenced by the SYSPRINT DD statement could not be opened by the sort program. This file is used to write message output during program execution.

The sort program terminates.

**Corrective Action:** Check the IOA Log file and system log for additional messages that describe the error, and correct the problem accordingly.

IOAS04I ERROR DURING OPENING OF PARAMETER FILE

**Explanation:** An attempt to open and read the file containing an IOA Access Method sorting parameters failed.

The sort program terminates.

**Corrective Action:** Check the IOA Log file and system log for additional messages that describe the error, and correct the problem accordingly.

IOAS05I INSUFFICIENT STORAGE TO RUN REORGANIZATION

**Explanation:** Not enough memory is available to sort IOA Access Method file records for a data component. An attempt to obtain storage for sorting records for a database file data component failed because not enough region storage was available.

The data is not sorted. Processing continues. I/O performance may degrade.

**Corrective Action:** Increase the REGION size.
IOAS06E DYNAMIC DATABASE SORTING STOPPED. PARAMETER STOP-WHEN-OVER CANNOT BE REACHED

**Explanation:** The level of reorganization specified by the STOP-WHEN-OVER parameter is not achievable. The STOP-WHEN-OVER parameter determines the maximum number of different data blocks that can be referenced by all the index records in any single index block after reorganizing the index block. Database sorting stopped, because more data blocks are referenced by the records for the last index block than the number specified in the STOP-WHEN-OVER parameter.

Database file data record sorting terminates. Processing continues. I/O performance may be degraded.

**Corrective Action:** Increase the value of the STOP-WHEN-OVER parameter or use the IOADBF utility to allocate an additional database extent. If the problem remains unresolved, contact BMC Software Customer Support.

IOAS07I DATABASE DOES NOT NEED SORTING

**Explanation:** This information message indicates that the level of sorting specified by the START-WHEN-OVER parameter was not reached. The START-WHEN-OVER parameter determines the number of different database file data blocks referred to by all the index records within any single index block that automatically triggers record reorganization. This trigger level was not reached. Therefore, database reorganization was not performed.

The database file data records are not sorted. Processing continues.

**Corrective Action:** No action is required.

IOAS08I INCORRECT INPUT PARAMETER parm

**Explanation:** An invalid parameter was passed to the database sorting routine. Therefore, database reorganization is not performed.

In this message, parm is the identity of the invalid parameter.

Processing continues. I/O performance may degrade.

**Corrective Action:** Correct the problematic parameter.

IOAS09I DATABASE SORT TASK STARTED

**Explanation:** This information message indicates that the database sort routine subtask that will dynamically inspect a database file data component to determine whether the component records should be sorted to improve Database I/O performance was started and initialized.

**Corrective Action:** No action is required.

IOAS10I DATABASE SORT TASK ENDED

**Explanation:** This information message indicates that the database sort routine that dynamically determines whether a database file data component records should be sorted ended.

**Corrective Action:** No action is required.
IOAS13E ERROR IN func FUNCTION. RC = rc

**Explanation:** An internal error occurred while attempting to access a database file component. Processing of an IOA Database file component could not be completed because an internal error was encountered by an IOA Database utility.

The sort program terminates.

**Corrective Action:** Check the IOA Log file and system log for additional messages that describe the error. Correct the problem before rerunning the program. If the problem remains unresolved, contact BMC Software Customer Support.

Messages IOAT00 through IOATxx

This group includes messages for the IOA (infrastructure) product.

IOAT00S FAILURE TO LOCK WS TRACE WORK AREA

**Explanation:** The tracing facility failed to lock the internal (WS) trace work area.

The tracing request is ignored. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAT01S FAILURE TO LOCATE DDNAME(ddName) SUPPLIED TO IOATRC

**Explanation:** The tracing facility failed to locate the *ddName* DD statement.

In this message, *ddName* is the name of the DD statement that was supplied to the trace facility as an internal parameter.

The tracing request is ignored. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAT02E APF-AUTHORIZATION REQUIRED TO INVOKE SVC DUMP

**Explanation:** An SVCDUMP request was received by the tracing facility. Such a request requires APF authorization for STEPLIB load libraries.

The SVCDUMP tracing request is ignored. Processing continues.

**Corrective Action:** Ensure that STEPLIB load libraries have APF authorization, and restart the product monitor.

IOAT03E INVALID BUFID (bufid) HAS BEEN SUPPLIED IN INPUT PARAMETERS

**Explanation:** The Buffer ID specified in one of the parameters contains invalid characters. Valid characters for the Buffer ID are A-Z, 0-9, @, #, $.

Processing of parameters is stopped.

**Corrective Action:** Check the input parameters in the operator command or in the DATRCIN/DATRCBF input files and make appropriate adjustments as needed. Then rerun the command or product monitor.
IOAT04E SYNTAX ERROR IN INPUT PARAMETERS

Explanation: This error message indicates there is a syntax error in one of the input statements. Processing of parameters is stopped.

Corrective Action: Check the input parameters in the operator command or in the DATRCIN/DATRCBF input files and make appropriate adjustments as needed. Then rerun the command or product monitor.

IOAT05W BUFFER (bufid) IS NOT DEFINED. FLUSH COMMAND IGNORED

Explanation: The buffer (bufid), which is required to flush in operator MODIFY command, is NOT allocated. The Flush command is ignored.

Corrective Action: In the Flush command, check the buffer ID.

IOAT06E UNKNOWN COMMAND/KEYWORD (keyword) IN INPUT PARAMETERS

Explanation: An unknown command or keyword is specified in one of the input statements. The processing of parameters is stopped.

Corrective Action: Check the input parameters in the operator command or in the DATRCIN/DATRCBF input files and make appropriate adjustments as needed. Then rerun the command or product monitor.

IOAT07E INVALID ARGUMENT FOR KEYWORD (keyword)

Explanation: An invalid value was specified for the keyword. The processing of parameters is stopped.

Corrective Action: Check the input parameters in the operator command or in the DATRCIN/DATRCBF input files and make appropriate adjustments as needed. Then rerun the command or product monitor.

IOAT08S INTERNAL ERROR ENCOUNTERED. MODULE: module REASON: rsn

Explanation: An internal error was encountered in the module module.

The variables in this message are:

- module - the name of the module where an internal error was encountered
- rsn - the exact reason for the error. Valid values are:
  - DESCRIPTOR LOST
  - NO DESCRIPTOR ADDR

The option to trace into a buffer is disabled. Processing continues.

Corrective Action: Contact BMC Software Customer Support.

IOAT09E INVALID LEVEL PARAMETER SPECIFIED IN INPUT PARAMETERS

Explanation: An invalid LEVEL parameter was detected in an input statement.
Corrective Action: Check the input parameters in the operator command or in the DATRCIN/DATRCBF input files and make appropriate adjustments as needed. Then rerun the command or product monitor.

IOAT0BW BUFFER x IS NOT DEFINED. DEFAULT BUFFER WILL BE USED INSTEAD
Explanation: This warning message indicates that redirection to the x buffer was required, but the buffer is NOT allocated. The messages are redirected to the default buffer.
Corrective Action: No action is required.

IOAT0CI THE FOLLOWING TRACE LEVELS IN THE BUFFERS: buflD[1, buflD2, . . . buflDn]
Explanation: This information message is issued after command TRACE= with keyword BUF= is performed. It is a header for subsequent IOAD02I messages. Normal processing continues.
bufID[1, bufID2, . . . bufIDn] are one or more buffer IDs.
Corrective Action: No action is required.

IOAT0DI FOR THE DESTINATIONS: dest[1, dest2, dest3, dest4]
Explanation: This information message is issued after command TRACE= with keyword BUF= is performed. This message is a header for subsequent IOAD02I messages. Normal processing continues.
dest[1, dest2, dest3, dest4] can be one or more of the following:
- PRINT
- CHAIN
- WTO
- GTF
Corrective Action: No action is required.

IOAT0FE TRACE trc_num CAN NOT BE TURNED ON AS EXTERNAL TRACE. WILL NOT BE ISSUED.
Explanation: This message indicates that the tracing for trc_num trace number (where trc_num is the trace number requested in the TRACE MODIFY command) has not been turned on because of the environment limitation.
Corrective Action: Contact BMC Software Customer Support.

IOAT0HI TRACING INTO A BUFFER HAS BEEN DISABLED
Explanation: This information message indicates that the tracing into a buffer facility has been disabled.
Corrective Action: No action is required.
IOAT01E DDNAME(\textit{ddName}) NOT FOUND; FAILURE TO FLUSH THE TRACE BUFFER

\textbf{Explanation:} The TRACE=FLUSH modify request was issued, but tracing into a buffer facility failed to perform the request, because the DD statement that was supplied to the trace facility as an internal parameter was not found.

In this message, \textit{ddName} is the name of the DD statement that was supplied to the trace facility as an internal parameter.

The TRACE=FLUSH request is ignored. Normal processing continues.

\textbf{Corrective Action:} No action is required.

IOAT0JS FAILURE TO GETMAIN STORAGE FOR TRACE BUFFER \textit{bufID}

\textbf{Explanation:} This message indicates an attempt to getmain trace buffer \textit{bufID} failed.

The option to trace into a buffer is disabled.

The processing of parameters is stopped.

\textbf{Corrective Action:} Try specifying REGION=0 in the JOB JCL statement and run the product monitor again. Otherwise, contact BMC Customer Support.

IOAT0KI TRACING INTO BUFFERS IS ENABLED

\textbf{Explanation:} This information message indicates that the tracing into a buffer facility has been successfully initialized and enabled. Normal processing continues.

\textbf{Corrective Action:} No action is required.

IOAT0LI \textit{number1} LINES (\textit{number2} KB) ARE ALLOCATED FOR TRACE BUFFER \textit{x}

\textbf{Explanation:} This information message indicates that trace buffer \textit{x} of the specified size is successfully allocated. Normal processing continues.

\textbf{Corrective Action:} No action is required.

IOAT0MW TRACING INTO A BUFFER IS NOT SUPPORTED

\textbf{Explanation:} This warning message indicates the TRACE= modify command with the BUF= parameter was issued, but the tracing into a buffer facility is not supported.

The TRACE= modify command is ignored. Normal processing continues.

\textbf{Corrective Action:} No action is required.

IOAT00E FAILURE TO FLUSH THE TRACE BUFFER: UNABLE TO LOCK

\textbf{Explanation:} The TRACE=FLUSH modify command was issued, but it could not be performed because of the failure to lock the trace buffer.

The TRACE= FLUSH modify command failed. Normal processing continues.

\textbf{Corrective Action:} Contact BMC Software Customer Support.
IOAT0RS FAILURE TO LOAD *module* PROCESSOR OF TRACE=*command*
MODIFY COMMAND

**Explanation:** The specified load module failed to load, and therefore did not perform the *command*
modify command.

The variables in this message are:
- *module* - name of the load module that was attempted to be loaded
- *command* - name of the modify command that initiated loading of the module.

The modify request is ignored. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAT0UI TRACE BUFFER (*bufid*) HAS BEEN WRAPPED AROUND *nnnn* TIMES

**Explanation:** This information message indicates that the tracing buffer became full with tracing records, and it has been recycled *nnnn* times.

**Corrective Action:** No action is required.

IOAT0WE FAILURE TO OPEN DDNAME(*ddName*) TO FLUSH TRACE BUFFER

**Explanation:** The specified DDNAME needed to perform the TRACE=FLUSH modify request could not be opened.

In this message, *ddName* is the name of the DD statement that was supplied to the trace facility as an internal parameter.

The TRACE= FLUSH modify request failed. Normal processing continues.

**Corrective Action:** Check the indicated DD statement, correct if necessary, and try running a product monitor again.

IOAT0XI *number* TRACE RECORDS HAVE BEEN FLUSHED INTO *ddName* FROM BUFFER *x*

**Explanation:** This information message indicates that the TRACE=FLUSH modify request was issued and successfully processed. Normal processing continues.

The variables in this message are:
- *number*--number of trace records flushed into the output
- *ddName*--name of the DD statement supplied to the trace facility as an internal parameter
- *x*--ID of the flushed buffer

**Corrective Action:** No action is required.
IOAT0YS IOATRC RECEIVED WS ADDRESS ABOVE THE LINE; CANNOT PROCEED

**Explanation:** The tracing facility received an invalid internal request.
The tracing request is ignored. Processing continues.

**Corrective Action:** Contact BMC Software Customer Support.

IOAT0ZS FAILURE TO GET MCT ADDRESS

**Explanation:** An internal problem was encountered.
The system action is unpredictable. Action depends on the internal problem.

**Corrective Action:** Contact BMC Software Customer Support.

Messages IOAV00 through IOAVxx

This group includes messages for the IOA (infrastructure) product.

IOAV02E INVALID VALUE FOR MODE

**Explanation:** In the IOA Variables Facility Entry screen (Screen IV), the MODE field contains an invalid value.
The only valid values for the MODE field are:
- **ADMIN**
- **''** (Blank)

**Corrective Action:** Type a valid value in the MODE field.

IOAV04E DATABASE/POOL NAME DOES NOT EXIST

**Explanation:** In the IOA Variables Facility Entry screen (Screen IV), the DATABASE field contains a name, but no database nor pool with that name exists.

**Corrective Action:** Either correct the name in the DATABASE field, or select a database or pool from the list.

IOAV06E SPECIFIED DATABASE NAME ALREADY EXISTS

**Explanation:** The user tried to insert a new variable database in the List of Databases - IOA Database Facility screen (Screen IV), and typed a name for the new database in the New Database window, but that database name already exists.

**Corrective Action:** Type a different new database name.

IOAV07E THE DATABASE/POOL IS IN USE. PLEASE TRY AGAIN LATER

**Explanation:** An attempt was made to access a variable database, using the IOA Variables Facility Entry screen (Screen IV), but that database is already in use by another user.

**Corrective Action:** Try again later.
IOAV08E THE NUMBER OF ROWS MUST BE GREATER THAN 1

Explanation: In the New Database Window of the List of Databases - IOA Database Facility screen (Screen IV), one of the following occurred:

- No value was inserted in the NUMBER OF ROWS field.
- The value "1" was inserted in the NUMBER OF ROWS field.

The NUMBER OF ROWS field is used to determine the amount of storage space allocated for the variable database. The number inserted in this field must be greater than 1.

Corrective Action: Correct the number in the NUMBER OF ROWS field.

IOAV09E COLUMN NAME HAS NOT BEEN FOUND

Explanation: An attempt was made to update a column in an existing variable database by typing U (Update) or D (Delete) in the OPT field beside a column name. However, the column name was not found in the database.

Corrective Action: Contact BMC Software Customer Support.

IOAV0AE A COLUMN WITH THIS NAME+NUMBER ALREADY EXISTS

Explanation: An attempt was made to define a new column in an existing variable database. However, a column with the same values for COLUMN and NUMBER already exists.

Corrective Action: Specify new values for COLUMN and NUMBER.

IOAV10E NO ROOM AVAILABLE TO INSERT LINE HERE

Explanation: An attempt was made to insert a row into a variable database, but no row number is available at the location where the new row was to be inserted.

Rows in a variable database are originally numbered in thousands. Rows inserted later are assigned numbers in the gaps. For more information on how row numbers are assigned in a variable database, see the Control-O User Guide.

Corrective Action: Renumber the existing rows in the variable database, as follows:

1. Use the IOAVARUL job to unload the variable database variables file. This job is in the IOA JCL library and invokes the IOADUL utility.
2. Use the IOAVARLD job to reload the file, ensuring that the RENUM parameter is included. This job is in the IOA JCL library and invokes the IOADLD utility.

For more information about the IOADUL and IOADLD utilities, see the INCONTROL for z/OS Utilities Guide.

IOAV12E NO ROWS IN THE POOL. CAN'T BE VIEWED.

Explanation: An attempt has been made to view the variables in a pool, but the pool does not contain any rows. Such a pool cannot be viewed.

Corrective Action: No action is required.
IOAV13E INVALID VARIABLE NAME

**Explanation:** While trying to view the IOAVAR variable database or pool, an invalid variable name was specified.

**Corrective Action:** Specify a valid variable name.

IOAV14E NO AUTHORIZATION FOR PERFORMING THIS OPERATION

**Explanation:** The user is not authorized to perform the operation that was attempted.

**Corrective Action:** If you consider that you ought to have authority to perform an operation of this type, contact your INCONTROL administrator.

IOAV17E MAXIMUM NUMBER OF ROWS EXCEEDED

**Explanation:** An attempt was made to add a new variable into a Variable database by the I or R option in the Variable Database Display screen but the database is full.

The action is aborted.

**Corrective Action:** Increase number of rows in the Variable database. It can be done by updating number of rows (For more information, see the INCONTROL for z/OS Administrator Guide, Chapter 2). Another option is to reformat the database with bigger space parameters. (For more information, see the INCONTROL for z/OS Installation Guide: Installing, Step 7 - Set Global Variables database, and the INCONTROL for z/OS Upgrade Guide, Step 40)

IOAV18E THE NUMBER OF ROWS CANNOT BE GREATER THAN 65535

**Explanation:** An attempt was done to specify value bigger than 65535 for the NUMBER OF ROWS parameter in the option U in the Database List screen.

The action is aborted.

**Corrective Action:** Specify a valid value and press ENTER to save the database parameters or specify N for the UPDATE field or press the RESET key (PF04) to close the window without saving the database parameters.

IOAV1AE CONTROL-O/CMEM MONITOR IS NOT ACTIVE

**Explanation:** An attempt was made to enter the Pools List or to view a pool, but the Control-O or CMEM monitor is not active.

To use this function, the Control-O or CMEM monitor must be active.

The request is rejected.

**Corrective Action:** Start the Control-O or CMEM monitor.

IOAV1BE THE COLUMN CONTAINS VARIABLES. CANNOT BE DELETED.

**Explanation:** An attempt was made to delete a column from a variable database, but the column contains variables.

**Corrective Action:** Delete all variables from the column, then try again to delete the column.
IOAV1CE ERROR DURING DB/POOL ACCESS RC=rc, FUNCTION=func

Explanation: The user attempted to gain access to a variable database or pool, but failed.
Corrective Action: Note the values of rc and func and contact BMC Software Customer Support.

IOAV1DE NO COLUMNS IN THE DATABASE/POOL

Explanation: An attempt was made to view the variables in a variable database or pool. However, the database or pool does not contain any columns. Such a database or pool cannot be viewed.
Corrective Action: No action is required.

IOAV20I IOAGLV UTILITY STARTED

Explanation: This information message indicates that the IOAGLV utility, which handles IOA global variables, started.
Corrective Action: No action is required.

IOAV21I nnnnn VARIABLES ARE READ FROM IOAVAR

Explanation: This information message indicates how many IOA Global Variables are read from the pool during the IOAGLV utility run.
Corrective Action: No action is required.

IOAV22E CONTROL-O/CMEM MONITOR IS NOT ACTIVE

Explanation: An attempt was made to submit the IOAGLV utility but the Control-O or CMEM monitor is not active. The Control-O or CMEM monitor must be active to use this utility.
Corrective Action: Start the Control-O or CMEM monitor, and then resubmit the utility.

IOAV23E ERROR DURING IOAVAR POOL ACCESS: RC=rc, REASON CODE =rsn.

Explanation: The IOAGLV utility attempted to access IOA Global Variables from the IOAVAR pool but the access failed.
The utility stops with RC=8.
Corrective Action: Check the return code (rc) and the reason code (rsn). The return and reason codes are described in the tables attached to the API575E message description. Correct the problem and resubmit the utility.

IOAV24E INVALID FUNCTION: func

Explanation: The func function cannot be specified for the IOAGLV utility input parameters. The following functions can be specified:
The utility stops with RC=16.

**Corrective Action:** Correct the input parameters in the JCL and resubmit the job. For more information, see the IOAGLV utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAV25E**  INVALID PARAMETER: parm

**Explanation:** The parm input parameter specified for the IOAGLV utility is not valid.

The utility stops with RC=16.

**Corrective Action:** Correct the invalid input parameters in the JCL and resubmit the job. For more information, see the IOAGLV utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAV26E**  REQUIRED PARAMETER parm IS NOT SPECIFIED

**Explanation:** The mandatory parm input parameter is not specified in the input stream for the IOAGLV utility.

The utility stops with RC=16.

**Corrective Action:** Correct the input parameters in the JCL and resubmit the job. For more information, see the IOAGLV utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAV27W**  NO VARIABLES HAVE BEEN SELECTED

**Explanation:** No variables matching the specified path or path prefix were found in the IOA Global Variables pool.

The utility stops with RC=4.

**Corrective Action:** Check the input parameters in the JCL. Correct the input parameters in the JCL, if necessary, and resubmit the job. For more information, see the IOAGLV utility in the *INCONTROL for z/OS Utilities Guide.*

**IOAV28E**  PARAMETER parm LENGTH EXCEEDED

**Explanation:** The length of the parm input parameter exceeds the maximum allowable length for this parameter.

The utility stops with RC=16.

**Corrective Action:** Correct the invalid input parameters in the JCL and resubmit the job. For more information, see the IOAGLV utility in the *INCONTROL for z/OS Utilities Guide.*
IOAV29E  REDUNDANT PARAMETER: parm

**Explanation:** The parm input parameter for the IOAGLV utility is specified twice although it can be specified only once in this statement.

The utility stops with RC=16.

**Corrective Action:** Remove the redundant input parameters in the JCL and resubmit the job. For more information, see the IOAGLV utility in the INCONTROL for z/OS Utilities Guide.

IOAV2AW  INCORRECT LINE

**Explanation:** An incorrect line was read from the input dataset, which was specified by the FROM parameter for the IOAGLV utility processing the LOAD function. This warning message is followed by the incorrect line itself.

The incorrect line is skipped and the utility continues processing other lines from the dataset. The utility ends with RC=4 if at least one incorrect line was detected in the dataset.

**Corrective Action:** Check the input dataset. Fix it and, if necessary, resubmit the utility. For more information, see the IOAGLV utility in the INCONTROL for z/OS Utilities Guide.

IOAV2BI  VARIABLE IS ADDED TO IOAVAR

**Explanation:** This information message indicates that the IOAGLV utility added a variable to the IOA Global Variables pool. The variable itself is printed in the next line using the following format:

varname=value.

**Corrective Action:** No action is required.

IOAV2CI  VARIABLE IS UPDATED IN IOAVAR

**Explanation:** This information message indicates that the IOAGLV utility added a variable to the IOA Global Variables pool. The variable itself is printed in the next line using the following format:

varname=value.

**Corrective Action:** No action is required.

IOAV2DI  nnnnn VARIABLES ARE SELECTED

**Explanation:** This information message indicates how many IOA Global Variables, matching the specified path, are selected during the IOAGLV utility run.

**Corrective Action:** No action is required.

IOAV2EI  nnnnn PATHS ARE SELECTED

**Explanation:** This information message indicates how many IOA Global Paths, matching the specified prefix, are selected during the IOAGLV utility run.

**Corrective Action:** No action is required.

IOAV2FI  nnnnn VARIABLES ARE ADDED

**Explanation:** This information message indicates how many variables are added to the IOA Global Variables pool during the IOAGLV utility run.
Corrective Action: No action is required.

IOAV2GI  nnnnn VARIABLES ARE DELETED
Explanation: This information message indicates how many variables are deleted from the IOA Global Variables pool during the IOAGLV utility run.
Corrective Action: No action is required.

IOAV2HI  nnnnn VARIABLES ARE UPDATED
Explanation: This information message indicates how many variables are updated in the IOA Global Variables pool during the IOAGLV utility run.
Corrective Action: No action is required.

IOAV2II  IOAGLV UTILITY COMPLETED SUCCESSFULLY
Explanation: This information message indicates that the IOAGLV utility completed successfully.
Corrective Action: No action is required.

IOAV2JE  DYNAMIC ALLOCATION ERROR, RC=rc, REASON=rsn, DSN=dsname
Explanation: Dynamic Allocation of the input dataset (dsname), specified in the FROM parameter for the IOAGLV utility with function LOAD, failed. The utility stops with RC=8.
For explanations of the return code (rc) and reason code (rsn) displayed as part of this message, see the MVS Programming: Authorized Assembler Services Guide (IBM manual).
Corrective Action: Examine the return and reason codes, take the appropriate corrective actions, and resubmit the utility.

IOAV2KE  MAXIMUM NUMBER OF ROWS nnnnn IN IOAVAR POOL EXCEEDED
Explanation: The IOAGLV utility, using either the LOAD or SETVAR functions, attempted to add a variable to the IOA Global Variables pool, exceeding the maximum number of variables in the IOAVAR database.
The utility writes from the pool to the database only the variables in the pool that were added or updated before exceeding the maximum limit, and then stops with RC=8.
Corrective Action: Do the following:
1. Increase the maximum number of rows in the IOAVAR database from the online IV screen.
2. Reload the IOAVAR pool from the database using the LOADGLOBAL=IOAVAR modify command issued for the Control-O or CMEM monitor.
3. Resubmit the utility.
IOAV2LE  ONLY ONE FUNCTION CAN BE SPECIFIED

**Explanation:** Multiple specifications of the following functions, or combinations of them are invalid in IOAGLV:
- LIST
- VIEW
- LOAD
- DELETE

(Only the SETVAR function can be specified multiple times, other functions must be specified singularly.)

**Corrective Action:** Correct the input parameters in the JCL and resubmit the job. For more information, see the IOAGLV utility in the *INCONTROL for z/OS Utilities Guide*.

IOAV2ME  REQUIRED FUNCTION IS MISSING

**Explanation:** No function was specified.

**Corrective Action:** Correct the input parameters in the JCL and resubmit the job.

Messages IOAZ00 through IOAZxx

This group includes messages for the IOA (infrastructure) product.

IOAZ00I The performance trace limitations are as follows:

**Explanation:** This is the first of a series of information messages that together display the current performance trace limitation settings.

This message is followed by the IOAZ01I message.

**Corrective Action:** No action is required.

IOAZ01I The following requests groups are to be traced:

**Explanation:** This is the second of a series of information messages that together display the current performance trace limitation settings.

This message is preceded by the IOAZ00I message, and followed by the IOAZ02I message.

**Corrective Action:** No action is required.

IOAZ02I request group1  request group2

**Explanation:** This is the third of a series of information messages that together display the current performance trace limitation settings. The contents of this message lists the group(s) of requests to be traced. The request group can be one of the following: LIST, REPORT, ALL (where ALL means no limitation).

This message is preceded by the IOAZ01I message, and can be followed by the IOAZ03I message.

**Corrective Action:** No action is required.
IOAZ03I The following users are to be traced:

**Explanation:** This is the fourth of a series of information messages that together display the current performance trace limitation settings.

The contents of this message form part of the headers of the columns of statistics.

This message is preceded by the IOAZ02I message, and followed by the IOAZ05I message.

**Corrective Action:** No action is required.

IOAZ05I user-id

**Explanation:** This is the fifth of a series of information messages that together display the current performance trace limitation settings.

The content of this message is the user ID whose actions are to be traced. The first instance of this message is preceded by the IOAZ03I message. This message is repeated with new user-id values until all the user IDs to be traced have been displayed.

**Corrective Action:** No action is required.

IOAZ11E ZIIP ENCLAVE CREATION FAILED. RC=rc RSN=rsn

**Explanation:** The Workload Management Service (IWM4ECRE macro) failed during enclave creating for ZIIP usage. For explanations of the return code (rc) and reason code (rsn) displayed as part of this message, see the IBM manual *MVS Programming: Workload Management Services*. The address space continues to work, but does not use the ZIIP processor.

**Corrective Action:** Contact BMC Software Customer Support.

IOAZ12W NO ZIIP CONFIGURED TO WHICH WORK COULD BE OFFLOADED TO. ZIIP WORK WILL BE REPORTED AS "SUP_ON_CP" WORK. RC=rc RSN=rsn

**Explanation:** This warning message indicates that the Workload Management Service could not be configured for offloading work to the ZIIP. The address space continues to work and uses the ZIIP processor but ZIIP work will be reported as specific work.

**Corrective Action:** For explanations of the return code (rc) and reason code (rsn) displayed as part of this message, contact BMC Software Customer Support.

IOAZ13E NO ZIIP CONFIGURED TO WHICH WORK COULD BE OFFLOADED TO. ZIIP PROCESSING DISABLED. RC=rc RSN=rsn

**Explanation:** The Workload Management Service could not be configured for offloading work to the ZIIP. The address space continues to work, but does not use the ZIIP processor.

**Corrective Action:** Contact BMC Software Customer Support.

IOAZ14E ZIIP OFFLOAD CPU PERCENTAGE FAILED. RC=rc RSN=rsn

**Explanation:** The Workload Management Service failed during setting offload CPU percentage for ZIIP usage. The address space continues to work, but does not use the ZIIP processor.
**Corrective Action:** Contact BMC Software Customer Support.

IOAZ15E ZIIP ENCLAVE DELETION FAILED. RC=rc RSN=rsn

**Explanation:** The Workload Management Service (IWM4EDEL macro) failed during ZIIP enclave deleting. The address space continues to work, but does not use the ZIIP processor.

**Corrective Action:** Contact BMC Software Customer Support.

IOAZ16I INTERFACE TO XBM IS ACTIVE

**Explanation:** The message is issued when the interface to XBM is initialized successfully.

**Corrective Action:** No action is required.

IOAZ17I THE XBM MODIFY COMMAND IS IGNORED BECAUSE parameter_name PARAMETER IS SET TO N

**Explanation:** The message is issued when the XBM modify command is ignored because the parameter_name parameter was set to N, where parameter_name is one of the following: ZIIPXBMO, ZIIPXBMP, or ZIIPXBMA.

**Corrective Action:** No action is required.

IOAZ18I CPU TIME OFFLOADED TO ZIIP: dddD hhH mmM ss.ccS

**Explanation:** The message is issued upon a termination of the XBM-enabled address space. It contains the number of days (ddd), hours (hh), minutes (mm), seconds (ss) and hundredths of a second (cc) of CPU time offloaded to ZIIP.

**Corrective Action:** No action is required.

IOAZ19I INTERFACE TO XBM IS INACTIVE

**Explanation:** The message is issued when the interface to XBM is not initialized for the following possible reasons:

- The ZIIPXBMx parameter (where ZIIPXBMx is one of the following: ZIIPXBMO, ZIIPXBMP or ZIIPXBMA) in the IOAPARM parameter member is set to N.

- XBM address space is inactive, regardless the value of the ZIIP parameter.

**Corrective Action:** No action is required.

IOAZ1AI NO ONLINE ZIIP PROCESSORS FOUND

**Explanation:** The message is issued when no online ZIIP processors were found.

**Corrective Action:** No action is required.

JAR messages

This group includes messages for the Control-V product.
Messages JARG00 through JARGxx
This group includes messages for the Control-V product.

JARGD01 CONTROL-V JCL ARCHIVING STARTED
**Explanation:** This information message indicates that the CTVJAR Job Archiving utility started.
**Corrective Action:** No action is required.

JARGD11 CONTROL-V JOB ARCHIVING ENDED O.K.
**Explanation:** This information message indicates that the CTVJAR Job Archiving utility ended successfully.
**Corrective Action:** No action is required.

JARGD21 CONTROL-V JOB ARCHIVING FAILED
**Explanation:** This information message indicates that the CTVJAR Job Archiving utility failed. Other messages generated in response to the failure describe the cause for the failure.
**Corrective Action:** Examine all messages issued by the Job and correct the failure. If necessary, correct the input and rerun the CTVJAR Job Archiving utility.

JARGD31 *** PARM=TEST SPECIFIED - SIMULATION MODE ***
**Explanation:** This information message indicates that the CTVJAR Job Archiving utility was run in TEST mode. CTVJAR was activated using the TEST parameter in the PARM field of the executive statement. When CTVJAR is active in TEST mode, no updates are performed to the Active User file. Only a report is created.

**Note:**
If the user sets the SYNC parameter to YES in CTVJAR, active generic decollation will close the recently created CDAM file. The active generic decollation will wait for new decollations until the CTVJAR Job Archiving utility is terminated.
No updates are performed to the Active User file. A report is created.
**Corrective Action:** Do the following:
1. Check the results of the TEST mode run.
2. If results are acceptable, rerun the CTVJAR utility with PARM set to PROD.

JARGD4E INVALID RETURN CODE FROM SORT, RC=rc
**Explanation:** The CTVJAR Job Archiving utility received an invalid return code from the SORT utility. CTVJAR called the SORT utility to sort the entry being consolidated, and the sort failed.
**In this message, rc** is the invalid return code.
The system terminates CTVJAR.
**Corrective Action:** Examine the messages generated by the SORT utility for a description of the problem. Correct the problem and rerun CTVJAR.

**JARGD5E OPEN OF SORT FILE FAILED. DDNAME "SORTIN"**

**Explanation:** The CTVJAR Job Archiving utility was unable to open the file referenced by the SORTIN DD statement. Either the SORTIN DD statement is missing in the JCL of CTVJAR, or the definition of the SORTIN DD statement is invalid.

CTVJAR terminates.

**Corrective Action:** Correct the DD statement and rerun the CTVJAR utility.

**JARGD6I NUMBER OF CONSOLIDATED reptype RECORDS=num**

**Explanation:** This information message indicates that multiple records of type reptype were joined together into a single report. The CTVJAR Job Archiving utility consolidates multiple records, of type SYSDATA, USER or INDEX, into a single record according to type.

The variables in this message are:
- reptype - the type of record consolidated
- num - the number of consolidated records

**Corrective Action:** No action is required.

**JARGD7I NUMBER OF NEWLY GENERATED REPORTS =num**

**Explanation:** This information message indicates how many new reports were created by a run of the CTVJAR Job Archiving utility. CTVJAR consolidates multiple SYSDATA, USER, or INDEX type records into a single record, according to type.

**Corrective Action:** No action is required.

**JARGD8S INVALID INPUT PARAMETER**

**Explanation:** An invalid parameter was specified as input for the CTVJAR utility.

CTVJAR terminates.

**Corrective Action:** Correct the input parameters, and rerun the utility

**JARGD9S INVALID PARAMETER, VALID PARAMETER: MODE=TEST OR MODE=PROD**

**Explanation:** An invalid value was specified for the MODE parameter of the CTVJAR Job Archiving utility. The only valid values for the MODE parameter are TEST and PROD.

CTVJAR terminates.

**Corrective Action:** Specify either TEST or PROD, and rerun the CTVJAR utility.
**JARGDAW INDEX RECORD WITHOUT SYSDATA RECORD FOUND** *fileName*

**Explanation:** Control-V attempted to match an index record with a corresponding SYSDATA record. However, a corresponding SYSDATA record could not be found for the index record. During Job archiving, selected index and user records are matched with their corresponding SYSDATA records.

In this message, *fileName* specifies the CDAM file name defined by the index. The index originally belonged to the SYSDATA record that satisfied the CTVJAR selection criteria.

The system ignores the index record. All other index and user records relating to this SYSDATA are also ignored.

**Corrective Action:** Determine the cause for the missing SYSDATA record. Correct if possible and rerun CTVJAR.

**JARGDBW SYSDATA RECORD FOUND WITH NO USER RECORDS** *fileName*

**Explanation:** Control-V attempted to match a SYSDATA record with a corresponding user record. However, a corresponding user record could not be found for the SYSDATA record. During Job archiving, Control-V matches selected index and user records with their corresponding SYSDATA records.

In this message, *fileName* is the CDAM file name of the SYSDATA record.

The system ignores the SYSDATA record.

**Corrective Action:** Determine why the user record is missing. Determine if the required user records were deleted using the online U screen.

**JARGDCE CTDRPUF FAILED. RC: rc**

**Explanation:** Control-V called routine CTDRPUF to create a report entry in the Active User file of the newly archived report. However, CTDRPUF was unable to create the new report. In this message, *rc* is the CTVJAR return code.

CTVJAR processing continues with the next report.

**Corrective Action:** Check the IOA log for all messages generated for this failure. If the cause for the failure remains unclear, contact BMC Software Customer Support.

**JARGDEE INVALID PARAMETERS RECEIVED FROM USER. RC =rc**

**Explanation:** There are invalid parameters in the SYSIN file. This is a summary message. Preceding messages clarify the error. CTVJAR issues the return code *rc*.

The system terminates job archiving.

**Corrective Action:** Check all messages generated for this error. Correct the input parameters, and rerun job archiving.

**JARGDFE THE PARAMETER parm MUST BE SPECIFIED FOR JOBARC UTILITY**

**Explanation:** The user attempted to execute the CTVJAR Job Archiving utility without specifying the parm parameter. The parm parameter is mandatory for CTVJAR.

The CTVJAR Job Archiving utility terminates.
**Corrective Action:** Add the parm parameter, and rerun CTVJAR.

**JARGE0E INVALID PARAMETER:** - parm

**Explanation:** An invalid parameter was specified in the parameter statement for the CTVJAR Job Archiving utility. In this message, parm is the invalid parameter specified by the user.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Correct the values in the PARM statement, and rerun the CTVJAR Job Archiving utility.

**JARGE1E REDUNDANT PARAMETER:** - parm

**Explanation:** A parameter was specified more than once in the input for the CTVJAR Job Archiving utility. That parameter can be specified only once in the input for this utility.

In this message, parm is the redundant parameter specified by the user.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Ensure that the parm parameter is specified only once, and rerun CTVJAR.

**JARGE2E ERROR IN PARAMETERS: FODATE IS HIGHER THAN TODATE**

**Explanation:** A later date value was specified in FODATE than in TODATE in the input for the CTVJAR Job Archiving utility. The FODATE and TODATE parameters indicate a date range for reports to be consolidated by CTVJAR. A date range is valid only if FODATE is earlier than, or the same as, TODATE.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Ensure that the date value specified for FODATE is not later than the date value for TODATE. Rerun CTVJAR.

**JARGE3E INVALID DATE SPECIFIED:= ddName**

**Explanation:** An invalid date value was specified in the ddName DD statement in the input for the CTVJAR Job Archiving utility.

The CTVJAR Job Archiving utility terminates.

**Corrective Action:** Check and correct the date value and rerun CTVJAR.

**JARGE4E NO USER RECORDS FOUND FOR -fileName**

**Explanation:** Control-V found a SYSDATA record for CDAM file fileName. However, CDAM file fileName contained no user records that corresponded to the SYSDATA record. In the input for the CTVJAR utility, the user specified a CDAM file that contained no user records in the input for the CTVJAR utility.

In this message, fileName is the name of the CDAM file in error.

CTVJAR ignores the SYSDATA record, and continues processing normally.

**Corrective Action:** Check why the user records are missing. If the user records were deleted using the U screen, restore user records from a backup.
JARGE5I JOB ARCHIVING FOR FILE: cdamfil USER: userId

Explanation: This information message provides details about a consolidated report that is being produced by the CTVJAR utility.

The information about the report is provided in message CTDI0CI, which follows this message.

Corrective Action: No action is required.

JARGE6E CTVXVAL FAILED FOR - indexFile - SEE OTHER ERROR MESSAGES

Explanation: The CTVXVAL internal routine was unable to process the indexFile index file.

The system skips the index file, and continues processing.

Corrective Action: To determine the cause, check the other messages generated by the failure of CTVXVAL.

JARGE7I REPORT ALREADY CONSOLIDATED FOR CDAM: cdamfil

Explanation: This information message indicates that Control-V found a previously consolidated report in the ACTIVE user file. A CDAM file was specified to the CTVJAR utility. However, a consolidated report already exists for this CDAM file. It is unnecessary to consolidate a previously consolidated report.

In this message, cdamfil is the name of the CDAM file for which a consolidated report already exists.

The system skips the consolidation of this CDAM file and continues processing normally.

Corrective Action: No action is required.

JARGE8E CTDTRE FAILED RC: 08

Explanation: An internal routine failed with a return code of 08. The CTVJAR Job Archiving utility uses the CTDTRE routine to determine the validity of each user name supplied by the user for the consolidated report.

CTVJAR terminates.

Corrective Action: Determine the cause by checking preceding error messages generated by the failure. Verify that the user tree is properly defined and rerun the CTVJAR utility.

JARGE9E USER NAME userId IS NOT FOUND IN TREE. JOB ARCHIVING WILL NOT BE PERFORMED

Explanation: The specified user name could not be found by the CDTRE utility. The CTVJAR Job Archiving utility uses the CTDTRE utility to determine the validity of the user name supplied by the user for the consolidated report. User name userId was specified by the USER parameter of the CTVJAR utility, but could not be found in the Control-D recipient tree.

CTVJAR terminates.

Corrective Action: Correct the user parameter and rerun CTVJAR.
JARGEAI USER PARAMETERS FOR CONSOLIDATION: parm

Explanation: This information message indicates the parameters specified by the user as input for the CTVJAR Job Archiving utility. Multiple incidences of this message creates a list of all the user specified parameters.

Corrective Action: No action is required.

JARGEBE INDEX indexName IS NOT FOUND IN FILE fileName

Explanation: The CTVJAR utility did not find an expected index in the specified index file. The CTVJAR utility consolidates all small index files created by the decollation with the ALLOCOPT CDAM parameter and consolidates them into a single index file. For more information on ALLOCOPT, See the Control-D and Control-V User Guide.

The variables in this message are:
- indexName - the name of the expected index
- fileName - the name of the index file

The CTVJAR utility terminates.

Corrective Action: Check why the specified index was not found, correct the error, and if necessary, rerun the CTVJAR utility.

JARGECE SYNC= PARAMETER INVALID. ONLY SYNC=YES OR SYNC=NO ARE VALID

Explanation: An invalid value was specified for the SYNC parameter of the CTVJAR Job Archiving utility. Valid values for the SYNC parameter are YES and NO.

The CTVJAR Job Archiving utility terminates.

Corrective Action: Correct the SYNC parameter and rerun CTVJAR.

JARGEEE THERE ARE TOO MANY MATCHING CDAM DATASETS KEPT OPEN BY CONTROL-D MONITORS. UTILITY TERMINATES.

Explanation: The CTVJAR Job Archiving utility terminated execution without creating consolidated reports. This occurred under option SYNC=NO, because too many CDAM datasets matching selection criteria are opened by the Control-D decollation monitor.

Corrective Action: Execute the utility with parameter SYNC=YES.

JDL messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
Messages J DLK00 through J DLKxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

J DLK40I PRIORITY PROPAGATION PROCESS STARTED

**Explanation:** This information message indicates that the Priority Propagation process has been started by the Control-M monitor.

**Corrective Action:** No action is required.

J DLK41I PRIORITY PROPAGATION PROCESS ENDED

**Explanation:** This information message indicates that the Priority Propagation process has ended.

**Corrective Action:** No action is required.

J DLK42E INSUFFICIENT STORAGE FOR CALCULATION

**Explanation:** The Control-M monitor did not have enough storage for either the Deadline Scheduling Calculation process or for the Priority Propagation process.

The process is aborted.

**Corrective Action:** Increase the storage for the Control-M monitor.

J DLK43W WAITING FOR DEPENDENCIES FILE. DDNAME "ddName"

**Explanation:** The Control-M monitor cannot access a file because it is being used by another component. The monitor requires exclusive access to the file.

The monitor waits for the file to be released.

**Corrective Action:** Check who is holding the file and have it released.

J DLK44S QNAME MISMATCH IN DEPENDENCIES FILE

**Explanation:** The Dependencies file allocated to the Control-M monitor does not belong to the current installation.

The process is aborted.

**Corrective Action:** Verify that the correct Dependencies file is allocated to the Control-M monitor through the DAGRAPHD DD statement.

J DLK45I numRecd JOBS RECEIVED HIGHER PRIORITY. numHeld JOBS HELD

**Explanation:** This information message is issued when the Priority Propagation process ends. The message indicates the number of jobs that received higher priority, and the number of jobs whose priority was not changed, that is, were held.

**Corrective Action:** No action is required.
JDLK46I  DEADLINE SCHEDULING PROCESS STARTED

**Explanation:** This information message indicates that a request to resolve all deadline scheduling requests was received either from a modify command, or from a user entering command REFRESH in the Jobs Dependencies screen.

The Control-M monitor resolves all deadline scheduling definitions.

**Corrective Action:** Wait for message JDLK47I or CTMK47I, to signal the end of the process.

JDLK47I  DEADLINE SCHEDULING PROCESS ENDED

**Explanation:** This information message indicates that the Control-M monitor successfully finished resolving all deadline scheduling definitions. This message is accompanied by message JDLK48I or CTMK48I which displays the number of updated jobs.

**Corrective Action:** No action is required.

JDLK48I  num1 JOBS DUE OUT TIME UPDATED. num2 JOBS HELD/FINISHED

**Explanation:** This information message indicates that the Control-M monitor successfully finished resolving all deadline scheduling definitions.

The variables in the message are:

- **num1** - the number of jobs with DUE OUT times that were updated
- **num2** - the number of jobs that were not updated, because
  - the job was held
  - the job ended
  - the job record was not available for change

This message follows the JDLK47I message.

**Corrective Action:** No action is required.

JDLK49E  DEADLINE SCHEDULING FACILITY IS DISABLED. PROCESSING STOPPED

**Explanation:** A request has been made to resolve deadline scheduling, but the Deadline Scheduling Facility has not been enabled in the Control-M defaults member.

Deadline scheduling is not performed.

**Corrective Action:** Ask your INCONTROL administrator to enable the Deadline Scheduling Facility in the Control-M default parameters member.
J DLK4AE CREATOR OF IN-CONDITION NOT FOUND. PROCESSING ABORTED.

**Explanation:** A job or group entity that produces an out-condition that acts as an in-condition for the job being processed was not found in an internal table. This internal error was detected during the processing of the REFRESH DEADLINE (deadline scheduling) command while it was analyzing a group entity and its component jobs.

The REFRESH DEADLINE command is aborted.

**Corrective Action:** Contact your INCONTROL representative for assistance. Have the complete job log and the output of the Control-M monitor address space available.

J DLK4BE GROUP CROSS-REFERENCE LIST NOT FOUND. PROCESSING ABORTED

**Explanation:** An internally-created cross-reference table used for group processing was missing when the REFRESH DEADLINE (deadline scheduling) command was analyzing a group entity and its component jobs.

The REFRESH DEADLINE command is aborted.

**Corrective Action:** Contact your INCONTROL representative for assistance. Have the complete job log and the output of the Control-M monitor address space available.

J DLK50I INITIALIZATION OF DEPENDENCIES FILE COMPLETED

**Explanation:** This information message indicates that the Dependencies file was successfully formatted and is ready for use. The current dependencies between jobs can be viewed after entering the REFRESH command from the appropriate screen.

**Corrective Action:** No action is required.

J DLK51S BAD PARAMETER SUPPLIED TO REFRESH COMMAND

**Explanation:** A REFRESH command was issued to the Control-M monitor with an unrecognizable parameter.

The REFRESH command is not executed.

**Corrective Action:** Check the command syntax and reissue the command.

J DLK52E DEADLINE COMMAND DOES NOT ACCEPT PARAMETERS

**Explanation:** A REFRESH DEADLINE command was submitted with parameters. However, this command does not take any parameters.

The command is not executed.

**Corrective Action:** Delete the parameters and resubmit the command.
J DLK53E TOO MANY INTERJOB CONNECTIONS

**Explanation:** The number of prerequisite conditions for dependency calculations exceeds the maximum number supported. The maximum number of conditions is ten times the maximum number of records in the Active Jobs file.

The dependency calculation process is aborted.

**Corrective Action:** Increase the size of the Active Jobs file.

J DLK54I DEPENDENCIES FILE REFRESH DONE

**Explanation:** This information message is issued to the IOA Log file after the Job Dependencies file is updated.

**Corrective Action:** No action is required.

J DLK55W DEADLINE SCHEDULING INTERNAL ERROR - DIAGNOSTIC DUMP PRODUCED

**Explanation:** The Control-M monitor encountered an internal error during REFRESH processing in the Control-M Active Environment screen.

The system produces a diagnostic dump, and continues processing.

**Corrective Action:** Ask your system programmer to record the error message, the diagnostic dump, and the Control-M monitor full output; and contact BMC Customer Support.

J DLK56S INVALID INPUT TO SHIFT. DATA SHOULD BE +NNN/-NNN

**Explanation:** The user specified invalid parameters for operator command SDOUT.

The operator command is ignored.

**Corrective Action:** Specify valid parameters for operator command SDOUT. See the Control-M chapter of the INCONTROL for z/OS Administrator Guide for a details about this operator command.

J DLK57I shiftnum JOBS DUE-OUT TIME SHIFTED. heldnum JOBS HELD

**Explanation:** This information message is issued after successful execution of operator command SDOUT.

The variables in this message are:

- `shiftnum` - The number of jobs for which the DUE OUT time was shifted the requested number of minutes.
- `heldnum` - The number of jobs that are currently in HELD status and were therefore not shifted.

**Corrective Action:** No action is required.

J DR messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
Messages J DRK00 through J DRKxx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

J DRK15I REFRESH REQUESTED BY USER usr
Explanation: This information message is issued to the IOA Log file after a user issues a refresh request.
Corrective Action: No action is required.

J DS messages
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages J DSN00 through J DSNxx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

J DSN06I NO MATCHING ENTRIES FOUND
Explanation: The Control-M CTMRJDS utility did not find any data set names in the Control-M statistics file that matched those specified in the DSN utility control statements.
Processing terminates.
Corrective Action: Change the DSN control statements and rerun the utility.

J DSN09I FUNCTION NOT SPECIFIED -- LIST ASSUMED
Explanation: The Control-M CTMRJDS utility detected a missing function statement.
The utility continues processing as if the LIST=DSN function had been specified.
Corrective Action: No action is required.

J ES messages
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages J ES200 through J ES2xx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
JES260S OID=orderId OPEN OF DDNAME ddName FAILED

**Explanation:** Control-M monitor failed to open a work data set defined by the ddName DD statement.
This data set must be defined as a temporary or fixed work area for Control-M monitor. The ddName DD statement is probably missing.
Control-M monitor will shut down with errors.

**Corrective Action:** Correct the JCL for the Control-M monitor, and start again.

JES261S taskTypememNamejobNamejobId OID=orderId ALLOCATION OF {SYSOUT FILE | ARClVE FILE} dsn FAILED: R15=rc ERR=erc INFO=irc

**Explanation:** Dynamic allocation to the specified dsn failed.
Control-M dynamically allocates the job sysout data sets, and/or the archive data set. The allocation failed for the specified reasons. For an explanation of the return codes displayed as part of this message, see the IBM manual *MVS Programming: Authorized Assembler Services Guide.*

Return codes in this message:
- rc - the contents of R15 in hexadecimal notation.
- erc - error reason code in hexadecimal notation.
- irc - information reason code in hexadecimal notation.

The requested function is stops. If analysis of job results was in process, the job terminates NOTOK with Reason Unknown (*UKNW).

**Corrective Action:** Check the relevant IBM publication for the reason.
- For sysout data sets, check if the sysout was purged while the Control-M monitor was trying to read it.
- For archive files, the Control-M monitor allocates archive files with DISP=(NEW,CATLG). Therefore, the same data set name should not be used in different sysout archive instructions, even for the same job.

If your system programmer is unable to resolve the problem, prepare the Control-M monitor full output and contact BMC Customer Support.

JES262W taskTypememNamejobNamejobId OID=orderId num UNSUCCESSFUL ATTEMPTS TO READ JOB DATA BY SUBSYSTEM REQUEST. RETRY CONTINUES

**Explanation:** This message is issued every num unsuccessful attempts to read job data by subsystem request.
Whenever the Control-M monitor does not succeed in reading job sysout, this message appears on the operator console. For example, when a job is not run due to a JCL error, then the third sysout data set is missing and this message is issued.
Control-M continues to retry reading the job data for a predefined number of times. If the error persists, this job is not read and error message CTMD50S is issued.
Corrective Action: For the appropriate action, refer to the section on the Control-M Monitor and JES in the Control-M for z/OS Administrator Guide.

**JES263S taskType memName jobName/jobId OID=orderId OPEN OF SMB FILE DSNAME dsn FAILED. RC=rc**

Explanation: Open of sysout data set of the job by Control-M monitor failed. Control-M cannot read the job sysout and analyze it. Possible causes are:

- Someone purged the output of the job while Control-M monitor was trying to read it.
- Internal Control-M monitor error.
- General problems with JES that caused JES to terminate.

The job will finish with status FAILED - REASON UNKNOWN.

Corrective Action: If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.

**JES264S taskType memName jobName/jobId OID=orderId POINT TO DSNAME dsn FILE FAILED. FDBK code**

Explanation: Control-M reads the jobs output as a VSAM file. For some reason it failed in a VSAM operation. Control-M cannot read the jobs sysout and analyze it. Possible causes are:

- Someone purged the output of the job while Control-M monitor was trying to read it.
- Internal Control-M monitor error.
- General problems with JES that caused JES to terminate.

The job will finish with status FAILED - REASON UNKNOWN.

Corrective Action: If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.

**JES265S taskType memName jobName/jobId OID=orderId GET TO DSNAME dsn FILE FAILED. FDBK code**

Explanation: Control-M reads the jobs output as a VSAM file. For some reason it failed in a VSAM operation. Control-M cannot read the jobs sysout and analyze it. Possible causes are:

- The output of the job was purged while Control-M monitor was trying to read it.
- Internal Control-M monitor error.
- General problems with JES that caused JES to terminate.

The job will finish with status FAILED - REASON UNKNOWN.

Corrective Action: If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.
**JES266S** OID=orderId READING JOB DATA BY SUBSYSTEM REQUEST FAILED

**Explanation:** Control-M monitor could not read all the data sets of the job, and analyze the data. Possible causes are:
- Internal Control-M monitor error.
- General problems with JES that caused JES to terminate.
- Someone has purged the output of the job while the Control-M monitor was trying to read it.

The job finishes with status FAILED - REASON UNKNOWN.

**Corrective Action:** Look for prior messages in the IOA Log. If the job was not purged, and JES did not have any problems, prepare the Control-M monitor full output and contact BMC Customer Support.

**JES267S** taskType memName jobName/jobId OID=orderId ARCHIVE FUNCTION ABENDED ON abCode

**Explanation:** An abend occurred during sysout archiving function. Common abend codes:
- SB37, SE37 - No more space for the sysout in the file.
- S913 - Security violation.

Archiving stops.

**Corrective Action:** For an 5x37 type of abend, consult your INCONTROL administrator for the possibility of changing the default Control-M archive file allocation size in the Control-M installation parameters (CTMPARM). For an S913 abend, check with your security administrator. For other abends, check IBM publications for the reason.

**JES268S** taskType memName jobName/jobId OID=orderId INVALID INSTALLATION PARAMETERS FOR SYSOUT ARCHIVING

**Explanation:** Highlighted, unrollable message.

Invalid values of the Control-M Installation Parameters (CTMPARM) which control the sysout archiving function.

The archiving function is terminated. Control-M will not perform any sysout archiving and valuable data may be lost.

**Corrective Action:** Consult your INCONTROL administrator immediately. See the section on Control-M operational parameters in the Control-M chapter of the INCONTROL for z/OS Installation Guide for the valid values of the sysout archiving parameters. To load new parameters, shut down the Control-M monitor and start it again.

**JES269W** OID=orderId INVALID RESPONSE FROM IEFSSREQ: SSOBFUNC=func R15=r15 SSOBRETN=ssobrc PHASE=x

**Explanation:** A failure during sysout operation. The Control-M monitor is using subsystem request services to process the job sysout. A sysout function failed.
The Control-M monitor sometimes recovers from this kind of situation, and completes the function. If another error message indicating a sysout operation failure follows this one, then follow the User Response instructions.

**Corrective Action:** If the Control-M monitor does not recover from the failure, consult BMC Software Customer Support. To solve the problem, support personnel require the data of the message, a list of all the IOA Log messages concerning the problematic job, and the small SNAP (DUMP) of storage areas that the Control-M monitor produces in this event.

**JES26AS** OID=orderId ABEND code WHILE READING SYSOUTS. JOBORDER joborder HELD

**Explanation:** Control-M could not read the output of a job from the spool. Control-M may be unable to read the output of a job because the OUT180 data set in which the data is placed overflows. The reason for this abend is either that the job output is unusually large, or that a spool corruption occurred that caused Control-M to read a very large amount of information, not related to the specific job, into its OUT180 data set.

The Control-M monitor changes the job status to HELD PROBLEMS READING SYSOUT.

**Corrective Action:** If the OUT180 data set is too small for the job output, increase the space value in the OUT180 DD, restart Control-M monitor, and free the job order in the Active Jobs file (AJF).

**Messages JESD00 through JESDxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**JESD50S** READING JOB DATA BY IEFSSREQ FAILED num TIMES. LAST RC rc. fileNum_jobName/jobId

**Explanation:** This message is issued after the number of unsuccessful attempts to read job data by subsystem request reaches the defined maximum. After searching for the job data the maximum number of times, Control-M changes the job status to DISAPPEARED and stops searching.

The job status changes to DISAPPEARED.

**Corrective Action:** For the appropriate action, refer to the section on the Control-M monitor and JES in the INCONTROL for z/OS Administrator Guide.

**JESD51S** OID=orderId NO MORE SPACE FOR SYSOUT ARCHIVING (SB37)

**Explanation:** No space is available on the designated volumes to archive SYSDATA sysouts.

Archiving of SYSDATA is not completed due to lack of the space on the volumes designated for allocation of the Archived Sysout Datasets.

Control-M issues additional messages describing the nature of the problem and terminates.

**Corrective Action:** Please do the following before attempting to restart the Control-M monitor:

1. Make sure that there is sufficient free space on the volumes defined by the AMVOL parameter of the CTRPARM member.
2. If it is not possible to provide enough space on the volumes defined by the AMVOL parameter of CTRPARM, please add another volume to the list of volumes designated for allocation of the Archived Sysout Data Sets.

3. If it is not possible to add more volumes to the AMVOL parameter of the CTRPARM member, remove all of them. Then the Archived Sysout Data Sets will be allocated only according to the AMUNIT parameter of the CTRPARM member.

4. Start the Control-M monitor.

5. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.

JESD52W OID=orderId PROBLEM PROBABLY CAUSED BY PREVIOUS MVS SYSTEM CRASH. END-OF-FILE ASSUMED

**Explanation:** A failure occurred during sysout processing.

Control-M received a bad return code from JES (feedback code of 0C0204) during sysout processing. This is a typical return code for a system crash event which prevented JES from closing the sysout in a standard manner.

The Control-M monitor ignores the return code, assumes that end-of-file has been encountered, and continues normally.

**Corrective Action:** No action is required.

JESD53S OID=orderId UNABLE TO ALLOCATE COMPRESSED DATASET FOR SYSDATA SYSOUT ARCHIVING. LAST RC=rc

**Explanation:** Dynamic allocation of an Archived Sysout Dataset has failed.

This message will be preceded by other messages detailing the nature of the problem, the DD name, the return code, and the reason code.

The Archived Sysout Dataset is not allocated and Control-M terminates.

**Corrective Action:** Record all relevant messages, prepare the Control-M monitor full output, and contact BMC Customer Support.

**JOB messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages JOB300 through JOB3xx**

This group includes messages for the Control-M for z/OS product, including: Control-M/Assist, Control-M/Links for z/OS and Control-M/Restart products.
** JOB330E ** taskType memName OID=orderId ODATE odate INVALID RC
FROM CTMMEM rc NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal error. Non-zero return code from the CTMMEM internal program while reading a calendar.

The job order is not scheduled.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

** JOB331E ** taskType memName OID=orderId ODATE odate READING DATEMEM (CALENDAR) calName FAILED

**Explanation:** Reading of a calendar failed.

The job order or mission is not scheduled. Depending on whether or not optional wish WM0738 is applied, the program will terminate or continue with the next job.

**Corrective Action:** Look for prior messages in the IOA Log that explain why this error occurred and make any necessary corrections.

- For a batch daily, correct date-3 (or date-5), positions 25-30 (or positions 50-55) in the Date Control Record (the DACHK DD statement), to the values of date-2 (or date-4).
- For a rerun of the same daily, correct all the dates to the value of the day before. Beware of ordering the same job or mission twice during a rerun on the same day. We suggest that you delete the ordered jobs or missions from the Active Jobs or Active Missions file and then run the Daily again.

If the previous abend happened after many jobs or missions had been ordered, a manual request is recommended (the CLIST CTMJOBRQ for jobs; the CLIST CTDREPRQ, CTDPRTRQ, CTDBKPRQ or CTDSTRRQ for missions).

** JOB332E ** taskType memName OID=orderId ODATE odate CALENDAR calName - OPEN FAILED

**Explanation:** Reading of a calendar failed.

The **calName** calendar member does not exist in the library described by the DACAL DD statement.

The job order or mission is not scheduled.

**Corrective Action:** Correct the name of the **calName** member in the scheduling table, to a name of a valid calendar.

Check whether the DACAL DD statement describes one (and only one) valid Calendar library. Data set concatenation is not supported in this DD statement.

- For a batch daily, correct date-3 (or date-5), positions 25-30 (or positions 50-55) in the Date Control Record (the DACHK DD statement), to the values of date-2 (or date-4).
- For a rerun of the same daily, correct all the dates to the value of the day before. Beware of ordering the same job or mission twice during a rerun on the same day. We suggest that you delete the ordered jobs or missions from the Active Jobs or Active Missions file and then run the Daily again.

If the previous abend happened after many jobs or missions had been ordered, a manual request is recommended (the CLIST CTMJOBRQ for jobs; the CLIST CTDREPRQ, CTDPRTRQ, CTDBKPRQ or CTDSTRRQ for missions).
JOB333E  taskType memName OID=orderId ODATE odate MISSING
DDNAME "DACAL"

Explanation: Reading of a calendar failed.  
The DACAL DD statement describes the calendar library.  
The job order or mission is not scheduled.

Corrective Action: If this problem occurs during the New Day procedure, correct the JCL and rerun it.  
Correct date-3 (or date-5), positions 25-30 (or positions 50-55) in the Date Control Record (the DACHK DD statement), to the values of date-2 (or date-4).

For a rerun of the same daily, correct all the dates to the value of the day before. Beware of ordering the same job or mission twice during a rerun on the same day. We suggest that you delete the ordered jobs or missions from the Active Jobs or Active Missions file and then rerun the Daily again.

If the previous abend happened after many jobs/missions had been ordered, a manual request is recommended (the CLIST CTMJOBRQ for jobs; the CLIST CTDREPRQ, CTDPTRQ, CTDBKPRQ or CTDSTRQRQ for missions).

JOB334E READING CALENDAR calName FAILED

Explanation: Reading of the specified calendar failed.  
The job order or mission is not scheduled.

Corrective Action: Look for prior messages in the IOA Log that explain why the calendar could not be read.

If the error occurred during the New Day procedure or a User daily, correct date-3 (or date-5), positions 25-30 (or positions 50-55) in the Date Control Record (DD statement DACHK), to the values of date-2 (or date-4).

For a rerun of the same daily, correct all the dates to the value of the day before. Beware of ordering the same job or mission twice during a rerun on the same day. We suggest that you delete the ordered jobs or missions from the Active Jobs or Active Missions file and then rerun the Daily again.

If the previous abend happened after many jobs or missions have been ordered, a manual request is recommended (the CLIST CTMJOBRQ for jobs; the CLIST CTDMSRQ for missions).

JOB335E  taskType memName OID=orderId ODATE odate CALENDAR calName CONTAINS TOO MANY YEARS

Explanation: A calendar contains too many years to be processed.  
The job order or mission is not scheduled.

Corrective Action: Delete the oldest years in the calendar. Keeping a history of many years of calendars is unnecessary.

JOB336E  taskType memName OID=orderId ODATE odate AN ABEND - abCode OCCURRED WHILE READING CALENDAR calName

Explanation: An abend occurred while reading a calendar.
The job order or mission is not scheduled. The New Day procedure terminates with a condition code of 08.

**Corrective Action:** Look for the abend code in the relevant IBM literature and respond accordingly.

**JOB337E** **STATISTICAL CALENDAR** **statCal** **MUST BE PERIODIC**

**Explanation:** During the job ordering process, the **statCal** statistical calendar specified in a group or job scheduling definition was found to be in a non-periodic format.

The job order is not scheduled.

**Corrective Action:** Replace the **statCal** calendar in the job scheduling definition with a periodic calendar, or modify the **statCal** calendar to make it periodic.

**JOB338E** **ORDERING DATE** **odate** (YYMMDD) **NOT FOUND IN STATISTICAL CALENDAR** **calendar**

**Explanation:** The Statistical Calendar defined in a job definition does not include the date specified for the Ordering Date of the job. This error usually occurs when the Statistical Calendar does not include the year indicated in the Ordering Date. The ordering process fails.

**Corrective Action:** Add the definition for the year used in the Ordering Date to the Statistical Calendar.

**JOB350S** **taskType memName** **OID=orderId** **ODATE** **odate** **INSUFFICIENT MEMORY TO PERFORM** **func** **FUNCTION**

**Explanation:** There is insufficient memory to perform the internal New Day procedure function **func**.

The job order is not scheduled, but the New Day procedure continues to process other job orders.

**Corrective Action:** For batch, increase REGION size. For TSO, logon again using a larger SIZE parameter.

**JOB351I** **warning_msg**

**Explanation:** This message is a user-defined warning message that is issued by the WRN task type.

**Corrective Action:** No action is required.

**JOB354E** **taskType memName** **OID=orderId** **ODATE** **odate** **OPEN OF MEMBER FAILED**

**Explanation:** Open of the warning messages member failed.

This could be due to one of the following:

- The member does not exist in the specified library.
- There is not enough memory to open the member.

The warning order is not activated.

**Corrective Action:** Do the following:
Check the validity of the member and library.

Increase the REGION size allocated for the New Day procedure.

**JOB355E**  
*taskType* *memName* *OID=orderId* *ODATE* *odate* *DSN* *dsn* IN USE  
(DISP=OLD)

**Explanation:** The data set described in the MEMLIB parameter is in use.
Another user is holding the data set described by the MEMLIB parameter with DISP set to OLD.
The warning order is skipped.

**Corrective Action:** Try again later (or try to find the other user).

**JOB356E**  
*taskType* *memName* *OID=orderId* *ODATE* *odate* *DSN* *dsn* - NOT A LIBRARY

**Explanation:** The data set described in the MEMLIB parameter is not a library (partitioned data set).
The warning order will not be issued.

**Corrective Action:** Correct the production parameters table and try again.

**JOB357E**  
*taskType* *memName* *OID=orderId* *ODATE* *odate* *DSN* *dsn* - RECFM NOT FIXED

**Explanation:** The record format of the data set described by the MEMLIB parameter is not fixed.
The warning order is not issued.

**Corrective Action:** Correct the production parameters table and try again.

**JOB358E**  
*taskType* *memName* *OID=orderId* *ODATE* *odate* *DSN* *dsn* - LRECL NOT 80

**Explanation:** The record length of the data set described by the MEMLIB parameter is not 80.
The warning order is not issued.

**Corrective Action:** Correct the production parameters table and try again.

**JOB359E**  
*taskType* *memName* *OID=orderId* *ODATE* *odate* *DSN* *dsn* NOT FOUND

**Explanation:** The data set described by the MEMLIB parameter is cataloged, but is not found on the disk.
The warning order is not issued.

**Corrective Action:** Correct the production parameters table or the catalog and try again.
JOB360E  taskType memName ODATE odate DSN dsn - DYNAMIC ALLOCATION FAILED

Explanation: Dynamic allocation for the data set described by the MEMLIB parameter failed. The warning order is not issued.

Corrective Action: Check the validity of the data set name or call BMC Software Customer Support for assistance.

JOB361E  taskType memName OID=orderId ODATE odate INTERNAL ERROR ON func- MISSING PARAMETER. NOTIFY THE IOA ADMINISTRATOR

Explanation: Internal error in the New Day procedure while performing a warn task type. The warning order will not be issued.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

JOB362E  taskType memName OID=orderId ODATE odate INTERNAL ERROR ON func- ACT BEFORE INIT. NOTIFY THE IOA ADMINISTRATOR

Explanation: Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

JOB363E  taskType memName OID=orderId ODATE odate INTERNAL ERROR - INVALID REQUEST FROM CTMLIB. NOTIFY THE IOA ADMINISTRATOR

Explanation: Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

JOB364W  taskType memName OID=orderId ODATE odate TOO MANY DSNAMES FOR CTMLIB

Explanation: Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

JOB365E  taskType memName OID=orderId ODATE odate DSN dsn NOT CATALOGED

Explanation: The data set described by the MEMLIB parameter is not cataloged. The warning order will not be issued.
**Corrective Action:** Correct the production parameters table and try again.

**Job366E**  
_taskType_ memName OID=orderId ODATE odate UNEXPECTED ERROR ON CTMLIB FUNCTION func. NOTIFY THE IOA ADMINISTRATOR  
**Explanation:** Internal error in the New Day procedure while performing a warning task type. 
The warning order will not be issued. 
**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**Job367S**  
_taskType_ memName OID=orderId ODATE odate INITIALIZATION OF MAIN LIB FAILED. DDNAME ddName  
**Explanation:** Initialization of main library failed (the _ddName_ DD statement). 
Internal error in the New Day procedure while performing a warning task type. 
The warning order will not be issued. 
**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**Job368S**  
INSUFFICIENT MEMORY TO PERFORM func FUNCTION  
**Explanation:** Insufficient memory to perform the internal New Day procedure function func. 
The job order is not scheduled, but the New Day procedure continues to process other job orders. 
**Corrective Action:** For batch, increase REGION size. For TSO, logon again using a larger SIZE parameter.

**Job369I**  
warning_msg  
**Explanation:** This message is a user defined warning message that is issued by the WRN task type. 
**Corrective Action:** No action is required.

**Job370E**  
_taskType_ memName ODATE odate OPEN OF MEMBER memName DSN dsn FAILED  
**Explanation:** Open of the warning messages member failed. 
Possible causes are:  
- The member does not exist in the specified library.  
- There is insufficient memory to open the member. 
The warning order is not activated. 
**Corrective Action:** Do one or both of the following:
Check the validity of the member and library.

- Increase the New Day procedure REGION size.

**JOB371E DSN dsn IN USE (DISP=OLD)**

**Explanation:** Data set described in the MEMLIB parameter is in use. Another user is holding the data set described by the MEMLIB parameter with DISP set to OLD. The warning order is skipped.

**Corrective Action:** Try again later, or find the other user.

**JOB372E DSN dsn - NOT A LIBRARY**

**Explanation:** The data set described in the MEMLIB parameter is not a library (partitioned data set). The warning order will not be issued.

**Corrective Action:** Correct the production parameters table and try again.

**JOB373E DSN dsn - RECFM NOT FIXED**

**Explanation:** The record format of the data set described by the MEMLIB parameter is not fixed. The warning order will not be issued.

**Corrective Action:** Correct the production parameters table and try again.

**JOB374E DSN dsn - LRECL NOT 80**

**Explanation:** The record length of the data set described by the MEMLIB parameter is not 80. The warning order will not be issued.

**Corrective Action:** Correct the production parameters table and try again.

**JOB375E DSN dsn NOT FOUND**

**Explanation:** The data set described by the MEMLIB parameter is cataloged, but is not found on the disk. The warning order will not be issued.

**Corrective Action:** Correct the production parameters table or the catalog and try again.

**JOB376E DSN dsn - DYNAMIC ALLOCATION FAILED**

**Explanation:** Dynamic allocation for the data set described by the MEMLIB parameter failed. The warning order will not be issued.

**Corrective Action:** Check the validity of the data set name. If necessary, call BMC Software Customer Support for assistance.
JOB377E INTERNAL ERROR ON func - MISSING PARAMETER. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

JOB378E INTERNAL ERROR ON func - ACT BEFORE INIT. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

JOB379E INTERNAL ERROR - INVALID REQUEST FROM CTMLIB. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

JOB380W TOO MANY DSNAMES FOR CTMLIB

**Explanation:** Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

JOB381E DSN dsn NOT CATALOGED

**Explanation:** The data set described by the MEMLIB parameter is not cataloged. The warning order will not be issued.

**Corrective Action:** Correct the production parameters table and try again.

JOB382E UNEXPECTED ERROR ON CTMLIB FUNCTION func. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal error in the New Day procedure while performing a warning task type. The warning order will not be issued.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

JOB383S INITIALIZATION OF MAIN LIB FAILED. DDNAME ddName

**Explanation:** Initialization of main library failed (the ddName DD statement). Internal error in the New Day procedure while performing a warning task type.
The warning order will not be issued.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**Messages JOB500 through JOB5xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**JOB501I** CTMJOB STARTED JOB=username/jobID TYPE=jobType

**Explanation:** This information message indicates that the CTMJOB program has started. The CTMJOB program is usually activated as part of the New Day procedure.

**Corrective Action:** No action is required.

**JOB502S OPEN OF SCHEDULE DATA FAILED. DDNAME "DAJOB"**

**Explanation:** Open of scheduling tables data set failed (the DAJOB DD statement).

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure, and could be due to one of the following:

- The DAJOB DD statement is missing.
- The data set described by the DAJOB DD statement cannot be opened for sequential read or record length is not 80.

The CTMJOB program will end with errors.

**Corrective Action:** Correct the JCL for the job or CLIST.

**JOB503S OPEN OF USER DATE CONTROL RECORD FAILED - DDNAME "DACHK"**

**Explanation:** Open of the file containing the User Date Control Record failed (the DACHK DD statement).

Issued by the CTMJOB program which is usually activated by the New Day procedure.

Possible causes are:

- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The CTMJOB program will end with errors.

**Corrective Action:** Correct the JCL for the job or CLIST.

**JOB504S USER DATE CONTROL RECORD IS EMPTY**

**Explanation:** The data set described by the DACHK DD statement is empty.

The CTMJOB program will end with errors.

**Corrective Action:** Correct the JCL for the job or CLIST.
JOB505S PREVIOUS RUN OF CTMJOB DID NOT FINISH OK

Explanation: A previous run of the CTMJOB program did not finish OK. This program is usually activated as part of the New Day procedure.

Date-2 and date-3 (or date-4 and date-5) of the Date Control Record are not equal. Possible causes are:

- The previous run of the CTMJOB program did not finish OK.
- Someone has modified the contents of the User Date Control Record (the DACHK DD statement).

For more information, see the Control-M chapter in the INCONTROL for z/OS Administrator Guide.

The CTMJOB program will end with errors.

Corrective Action: Change date-3 (or date-5), positions 25-30 (or positions 50-55) in the Date Control Record (the DACHK DD statement) to the values of date-2 (or date-4).

To rerun the same daily, correct all the dates to the value of the day before. Be careful not to order the same job twice during a rerun on the same day. We recommend that you delete the ordered jobs from the Active Jobs file and then run the daily again.

If the previous abend happened after many jobs had been ordered, we recommend requesting the remaining jobs manually using CLIST CTMJOBQ.

JOB506S SCHEDULING FAILED FOR MEMBER memName

Explanation: Scheduling failed for the memName member. This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

The IOA Log or the job output should contain an additional message concerning the reason for failure.

The job order of the memName member is not placed in the Active Jobs file. Depending on the severity of the problem, the New Day procedure will continue to the next job order or terminate with the condition code 08.

Corrective Action: Check the IOA Log or the job output for the reason.

JOB507S LAST MONTHLY SCHEDULING DATE GREATER THAN THE CURRENT ORIGINAL SCHEDULING DATE

Explanation: Invalid last monthly Scheduling Date.

The last monthly Scheduling Date (positions 18-23) in the User Date Control Record is greater than the current original Scheduling Date (positions 1-6). Possible causes are:

- The previous run of the CTMJOB program did not finish OK.
- Someone has modified the contents of the User Date Control Record (the DACHK DD statement).

For more details refer to the INCONTROL for z/OS Administrator Guide.

The CTMJOB program will end with errors.

Corrective Action: Correct the User Date Control Record (the DACHK DD statement).
JOB508S LAST MONTHLY SCHEDULING DATE WAS MORE THAN 28 DAYS AGO, CHECK IT

**Explanation:** The last monthly scheduling date is more than 28 days ago.

Possible causes are:

- The User New Day procedure has not been used for more than 28 days. Correct the dates in the record to “yesterday.”
- Someone has modified the contents of the General Date Control Record incorrectly.

For more details refer to the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** Correct the dates in the User Date Control Record (the DACHK DD statement).

JOB510S SEVERE ERROR IN THE SCHEDULING DATA - NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Severe error in the scheduling data.

This message is produced when scheduling tables (described by the DAJOB DD statement) contain erroneous data. It can be due to the following:

- The contents of a table were incorrectly modified using an editor or program, and the format of the table is invalid.
- Internal error in Control-M.

The program terminates with a condition code of 08.

**Corrective Action:** Try to restore the table to its original state. If you cannot, prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

If it is a batch Daily using a permanent Date Control Record, correct the contents of the record before running the Daily again. If issued during a User Daily or New Day procedure, see message JOB505S for further details.

JOB511I OID=orderId ODATE odate TASK=owner / systemId / jobName PLACED ON AJF

**Explanation:** This information message indicates that the job order was placed successfully in the Active Jobs file (AJF).

The task is now in the Active Jobs file in Wait Schedule state.

The following variable TASK fields are displayed:

- **owner** - the security user ID under which the ordering job that issued the JOB511I message was run
- **systemId** - the system ID of the ordering job
- **jobName** - the job name of the ordering job

**Corrective Action:** No action is required.
JOB512W LIBRARY *lib* SHOULD BE COMPRESSED

**Explanation:** The library specified in the PDS parameter contains fewer free tracks than the number specified in the MINIMUM parameter.

The PDS and MINIMUM parameters are used for automatically compressing a library. If the MINIMUM condition is satisfied, then the CTMJOB program will issue this message and the job order will be placed in the Active Jobs file.

For more details, refer to the Control-M chapter of the *Control-M for z/OS User Guide*.

The job order will be placed in the Active Jobs file.

**Corrective Action:** No action is required.

JOB513I SCHEDULE FAILED FOR *number* CONTROL-D CATEGORIES

**Explanation:** This information message indicates that a number of Control-D decollating missions categories were not found in the library allocated to the DAREPMIS DD statement.

The Control-M New Day procedure continued processing.

**Corrective Action:** Look at the IOA Log for the failed categories and associated reasons for failure.

JOB514S INSUFFICIENT STORAGE FOR THE JOB

**Explanation:** There is insufficient storage for processing the job order.

The program terminates with a condition code of 08.

**Corrective Action:** Increase the REGION size of the task which issued the request.

JOB515S ERROR IN SCHEDULING DATA - TOO MANY CARDS FOR ONE JOB

**Explanation:** Too many statements for one job. Scheduling data used to describe the job order are too large to be processed by Control-M.

The job order will not be placed on the Active Jobs file. The New Day procedure will terminate with a condition code of 08.

**Corrective Action:** Check the contents of the job order, using the Online Scheduling Facility and remove unnecessary scheduling data. Prepare the Control-M monitor full output and contact BMC Customer Support.

JOB516S ERROR IN SCHEDULING DATA - FIRST CARD SHOULD START WITH "D"

**Explanation:** There is invalid scheduling data in the first data set described by the DAJOB DD statement.

The first statement of a valid scheduling table should start with D. This could be due to one of the following:

- The data set described by the DAJOB DD statement is not a scheduling table.
- The scheduling data has been manually modified incorrectly.

The CTMJOB program ends with errors.
Corrective Action: Check contents of the data set described by the DAJOB DD statement and if the problem is not solved, check to find the person who may have manually changed the scheduling data.

JOB517S SCHEDULING DATA NOT AVAILABLE
Explanation: The DD statement pointing to the job scheduling tables is empty or missing.
The program ends with errors.
Corrective Action: Correct the JCL for the job or CLIST.

JOB518S INVALID YEAR IN USER DATE CONTROL RECORD
Explanation: There is an invalid year in the User Date Control record used by the New Day procedure.
This year is not supported by the release of Control-M you are using.
The CTMJOB program ends with errors.
Corrective Action: Please correct the year field (the DACHK DD statement).

JOB519S INVALID PREVIOUS WEEKLY SCHEDULING DATE IN USER DATE CONTROL RECORD (POSITIONS 43-48)
Explanation: Invalid previous weekly Scheduling Date in the User Date Control record (positions 43-48).
This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.
This date (date-4 of User Date Control record) might not be equal to date-5 (positions 50-55) or in invalid format.
Valid formats are:
- ddmmyy
- mmdyy
Possible causes are:
- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).
For more details, see the INCONTROL for z/OS Administrator Guide.
The New Day procedure will end with errors.
Corrective Action: Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

JOB520S OPEN OF IOA LOG FILE FAILED
Explanation: Open of IOA Log file failed (the DALOG DD statement).
This error message is issued by the CTMJOB program, which is activated as part of the New Day procedure, and is due to one of the following:
The DALOG DD statement is missing.

The data set described by the DALOG DD statement is not the IOA Log file.

The data set described by the DALOG DD statement is the IOA Log file, but of a different version of Control-M or of a different Control-M monitor.

The New Day procedure ends with errors.

**Corrective Action:** Do the following:

1. Look for additional messages that will help identify the problem.
2. Correct the JCL or the CLIST.
3. Rerun the job.

**JOB522S INVALID ORIGINAL SCHEDULING DATE IN USER DATE CONTROL RECORD (POSITIONS 1-6)**

**Explanation:** Invalid original scheduling date in the User Date Control Record (positions 1-6). This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

Valid formats are:

- `ddmmyy`
- `mmdadyy`

The message may be due to one of the following:

- The previous run of the CTMJOB program did not finish OK.
- Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, see the *INCONTROL for z/OS Administrator Guide*.

The New Day procedure will end with errors.

**Corrective Action:** Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

**JOB523S INVALID PREVIOUS MONTHLY SCHEDULING DATE IN USER DATE CONTROL RECORD (POSITIONS 18-23)**

**Explanation:** Invalid previous monthly scheduling date in the User Date Control Record (positions 18-23). This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.

This date (date-2 of User Date Control Record) should be equal to date-3 (positions 24-29) or in valid format.

Valid formats are:

- `ddmmyy`
- `mmdadyy`

The message may be due to one of the following:
The previous run of the CTMJOB program did not finish OK.

Someone has incorrectly modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, see the INCONTROL for z/OS Administrator Guide.

The CTMJOB program will end with errors.

Corrective Action: Correct your Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

JOB524S CTMJOB ENDED WITH ERRORS

Explanation: The CTMJOB program ended with errors. It is activated as part of the New Day procedure.

The IOA Log should contain prior messages concerning the errors.

The New Day procedure will finish executing with a condition code of 08.

Corrective Action: Check the IOA Log for the errors. If necessary, correct the Date Control Record (date-3 and date-5) manually to allow the next run of the New Day procedure. If you cannot find any prior error messages in the IOA log or job log, ensure that the Control-M Job Scheduling library is not being compressed simultaneously with any job ordering.

For more details, see the INCONTROL for z/OS Administrator Guide.

JOB525I CTMJOB ENDED JOB=username/jobID TYPE=jobType

Explanation: This information message is a normal message issued when the CTMJOB program terminates. CTMJOB is activated as part of the New Day procedure.

Corrective Action: No action is required.

JOB526S **** ERROR IN SCHEDULING DATA FORMAT ****

Explanation: The scheduling table has been corrupted. Scheduling data do not conform to Control-M valid format.

This message is followed by a number of JOB527 messages which describe all the statements that belong to the damaged job order. The asterisk (*) appears in the line under the erroneous data.

The CTMJOB will terminate with a condition code of 08.

Corrective Action: If you cannot restore the table to its original state, have your system programmer call BMC Software Customer Support for assistance.

If it is a batch Daily using a permanent Date Control Record, correct the contents of the record before running the Daily again. For considerations, please see message JOB505S.

JOB527S CARD = stmt

Explanation: The scheduling table has been corrupted.

This message follows message JOB526, and displays each statement in the damaged job order in the scheduling table. An asterisk (*) appears in the line under a damaged statement.

The CTMJOB program ends with errors.
Corrective Action: If you cannot restore the table to its original state, have your system programmer call BMC Software Customer Support.

If it is a batch Daily using a permanent Date Control Record, correct the contents of the record before running the Daily again. For considerations, please see message JOB505S.

**JOB528I** MEMBER *memName* ID=orderid ODATE odate PLACED ON ACTIVE JOBS FILE- *descr*

**Explanation:** This information message is a standard message indicating that a job order has been placed on the Active Jobs file.

The task is now on the Active Jobs file in WAIT SCHEDULE state.

**Corrective Action:** No action is required.

**JOB529S** LAST WEEKLY SCHEDULING DATE GREATER THAN THE CURRENT ORIGINAL SCHEDULING DATE

**Explanation:** The last weekly scheduling date in the Date Control Record is greater than the current original scheduling date.

This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure. Date-4 (positions 43-48) should not be greater than date-1 (positions 1-6) in the Date Control Record. The message may be due to one of the following:

- The previous run of the CTMJOB program did not finish OK.
- Someone modified the contents of the User Date Control Record (the DACHK DD statement).

For more details, see the *INCONTROL for z/OS Administrator Guide*.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the User Date Control Record (the DACHK DD statement) and rerun the New Day procedure.

**JOB530S** LAST WEEKLY SCHEDULING DATE WAS MORE THAN 28 DAYS AGO, CHECK IT

**Explanation:** The last weekly scheduling date is more than 28 days ago.

Possible causes are:

- The User New Day procedure has not been used for more than 28 days. Correct the dates in the record to yesterday.
- Someone has modified the contents of the General Date Control Record incorrectly.

For more details, refer to the *INCONTROL for z/OS Administrator Guide*.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the dates in the Date Control Record (the DACHK DD statement) and rerun.
**JOB531W MEMBER memName ODATE odate - SCHEDULING CANCELLED BY USER EXIT**

**Explanation:** Scheduling cancelled by user exit CTMX001; the memName member did not pass user checking.

User exit CTMX001 is activated for each job order before it is placed on the Active Jobs file. The exit can specify to the New Day procedure not to place the job order on the Active Jobs file, in which case this message is issued.

The job order will not be placed on the Active Jobs file.

**Corrective Action:** Look for additional messages in the I/OA Log clarifying the reason for the cancellation (usually security). If you cannot find a reason, consult your system programmer.

**JOB532S OPEN OF CONTROL-M ACTIVE JOBS FILE FAILED. DDNAME "DACKPT"**

**Explanation:** Open of Control-M Active Jobs file failed.

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure, and is due to one of the following:

- The DACKPT DD statement is missing.
- The data set described by the DACKPT DD statement is not the Control-M Active Jobs file.
- The data set described by the DACKPT DD statement is the Control-M Active Jobs file but of a different version of Control-M, or of a different Control-M monitor.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the job or CLIST and rerun it.

**JOB534S SEVERE ERROR ON CONTROL-M ACTIVE JOBS FILE**

**Explanation:** Severe error on Control-M Active Jobs file.

This could be due to one of the following:

- An I/O error, or the file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.
- The Active Jobs file has been corrupted.

The CTMJOB Control-M program which is activated as part of the New Day procedure will end with errors.

**Corrective Action:** Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support. Check whether the file has been updated from two computers without global ENQ control, or maybe by an unauthorized program.

**JOB535S CONTROL-M ACTIVE JOBS FILE IS BEING FORMATTED. TRY AGAIN LATER**

**Explanation:** Control-M Active Jobs file is currently being formatted. This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

The General New Day procedure is currently running and is formatting the file.
Corrective Action: Try again later.

**JOB536S SEVERE ERROR IN SCHEDULING DATA CARDS**

**Explanation:** Severe error was found in the scheduling data statements. This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.

Scheduling fails for the job order. The CTMJOB program terminates with a condition code of 08.

**Corrective Action:** Look for additional messages concerning the error, correct the error and rerun.

**JOB537S NO MORE INTERNAL WORK AREA. SEE MESSAGES AND CODES FOR REQUIRED ACTION**

**Explanation:** Internal work areas of the New Day procedure have been exhausted.

The job order contains more data than can be handled by the current release of Control-M.

The New Day procedure will terminate with a condition code of 08.

**Corrective Action:** Prepare the Control-M monitor full output and have your system programmer contact BMC Customer Support.

**JOB538E taskType memName OID=orderId ODATE odate SCHEDULING FAILED**

**Explanation:** Scheduling failed. This error message is issued by the CTMJOB program which is usually activated as part of the New Day procedure.

The IOA Log or the output of the job should contain prior message concerning the reason for failure.

The job order of member is not placed in the Active Jobs file.

**Corrective Action:** Check the IOA Log or the job output for the reason.

**JOB539W taskType memName ODATE odate SCHEDULING CANCELLED BY USER EXIT userExit**

**Explanation:** An unauthorized user attempted to send a job to the AJF.

The job order will not be placed on the Active Jobs file.

**Corrective Action:** Do the following:

1. Check your authorization.
2. The next step depends on how the job is being ordered, as follows:
   - If the job is being ordered online, log off and log on again.
   - If the job is being ordered by the Control-M monitor, restart the monitor.
   - If the job is being ordered by the New Day procedure, rerun the New Day procedure.
3. Look in the IOA Log for additional messages that clarify the reason for the job being cancelled. If there is no such message, check the `userExit` user exit.
**JOB53AS** A J F IS ALMOST FULL AND REACHED THE ‘STOP ORDER’ THRESHOLD. JOB IS NOT ORDERED

**Explanation:** When the amount of used space in the AJF increases and reaches the percentage threshold specified in the STOPORDR CTMPARM parameter, Control-M stops ordering jobs.

Control-M stops ordering jobs but all other functions (for example, job submission and post-processing) continue normally.

**Corrective Action:** The user must compress the AJF.

**JOB53BE** JOB CAN NOT BE ADDED BECAUSE THE MOST RECENT GROUP ON THE AJF IS DELETED

**Explanation:** An attempt was made to use the DYNAMIC INSERT JOB INTO GROUP option "R" (recent) to add a job to a deleted group.

**Corrective Action:** No action is required.

**JOB540E** ERROR IN CARDS. REASON=rsn, CODE=field

**Explanation:** A severe error was found in the scheduling data statements. This message is issued by Control-M (the CTMINP program) when it discovers an invalid value in a data statement.

The variables in this message are:

- **rsn** - a reason code that describes the probable cause of the error
- **field** - the field in which the error was found

Possible values of **rsn** and **field**, with explanations, are shown in the following tables.

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Invalid option</td>
</tr>
<tr>
<td>02</td>
<td>Nonnumeric character</td>
</tr>
<tr>
<td>03</td>
<td>Out of bounds. Field exceeds its limits.</td>
</tr>
<tr>
<td>04</td>
<td>Invalid time format</td>
</tr>
<tr>
<td>05</td>
<td>Plus or minus sign expected</td>
</tr>
<tr>
<td>06</td>
<td>Invalid date format</td>
</tr>
<tr>
<td>07</td>
<td>Conflict with a previous field</td>
</tr>
<tr>
<td>08</td>
<td>Minus or blank expected</td>
</tr>
<tr>
<td>09</td>
<td>Invalid or missing parameter or scheduling data statement</td>
</tr>
</tbody>
</table>
### rsn | Explanation
--- | ---
10 | Internal format error

### field | Explanation
--- | ---
00 | Internal Parameter
01 | TASKTYPE
02 | MAXWAIT
03 | TIME FROM
04 | TIME UNTIL
05 | DUE OUT
06 | MEMLIB
07 | CTB STEP
08 | IN Condition
09 | CONTROL or RESOURCE
10 | OUT
11 | MAXDAYS
13 | MAXRUNS
14 | RETENTION, either # OF DAYS TO KEEP or # NUMBER OF GENERATIONS TO KEEP
15 | MAXRERUN or INTERVAL
16 | Invalid DO action
17 | SYSOUT or DO SYSOUT
18 | ON PGMST
19 | SHOUT or DO SHOUT
## 2036 field Explanation

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>DO COND or DO MAIL</td>
</tr>
<tr>
<td>21</td>
<td>PIPE</td>
</tr>
<tr>
<td>22</td>
<td>STATISTICS</td>
</tr>
</tbody>
</table>

Job order scheduling will fail. The User Daily will terminate with a condition code of 08.  
**Corrective Action:** Use the values of `rsn` and `field` to locate the problem in the job definition. Correct the problem and run the User Daily again.

**JOB541I JOB PLACED ON ACTIVE JOBS FILE AT RBA: rba**

**Explanation:** This information message indicates that a job has been successfully placed in the Active Jobs file, and displays the job's rba.

**Corrective Action:** No action is required.

**JOB547W TABLE TblName IS NOT A SMART TABLE. RBC STATEMENT IGNORED**

**Explanation:** The SELECT or IGNORE RBC statement refers to a job which is not part of a SMART Table. SELECT and IGNORE RBCs always follow an ORDER statement for a SMART Table. They are meaningless for a job which is not part of a SMART Table.

The SELECT or IGNORE RBC statement is ignored. The job is ordered.

**Corrective Action:** No response needed.

**JOB548E OID=orderId SEVERE ERROR IN CALENDAR calName OR YEAR NOT FOUND IN CALENDAR**

**Explanation:** Severe error in the `calName` IOA calendar, or the year not found in the calendar.

Either the year is not defined in the calendar or the calendar has been incorrectly modified.

The job order is not issued. Processing of other job orders continues.

**Corrective Action:** Check the contents of the job order and the calendar.

**JOB549W CONTROL-M/RESTART NOT AVAILABLE. IFRERUN ACTION IGNORED FOR MEMBER memName**

**Explanation:** The scheduling table contains the IFRERUN definition, but Control-M was unable to act on this definition.

The probable cause is that CTR is set to N in IOAPARM, the IOA installation parameters member.

The scheduling table is ordered without the IFRERUN definition.
**Corrective Action:** Ensure that CTR is set to Y in IOAPARM.

**JOB550W CONTROL-M/RESTART NOT AVAILABLE. SET ACTION IGNORED FOR MEMBER memName**

**Explanation:** The scheduling table contains the SET definition, but Control-M was unable to act on this definition.

The probable cause is that CTR is set to N in IOAPARM, the IOA installation parameters member.

The scheduling table is ordered without the SET definition.

**Corrective Action:** Ensure that CTR is set to Y in IOAPARM.

**JOB551S LOAD OF CTMPARM FAILED IN CTMRSG GROUP PROCESSING**

**Explanation:** During group order processing the Control-M configuration parameters could not be accessed.

The program aborts the order processing.

**Corrective Action:** Contact your INCONTROL administrator who should verify that the CTMPARM member exists in the installation library.

**JOB552S LOAD OF CTMPARM FAILED IN CTMRSG GROUP PROCESSING**

**Explanation:** The CTMRSG program could not allocate storage.

Group processing is terminated.

**Corrective Action:** Increase the region size.

**JOB553S AJF (CKP) FILE OPEN FAILED IN CTMRSG GROUP PROCESSING**

**Explanation:** During Group Order processing, the CTMRSG program was unable to open the Active Jobs File (AJF).

Group Order processing terminates.

**Corrective Action:** Correct the AJF file problem, and order the group again.

**JOB554I INPUT CONDITION REMOVED: CONDITION=cond, MEMBER=memName, GROUP=grp**

**Explanation:** This information message is issued during group order processing, when Control-M determined that in a certain group, an output condition of a member that was not scheduled, is an input condition for a member that was scheduled.

The input condition is removed as a prerequisite for job execution.

**Corrective Action:** No action is required.

**JOB555I MEMBER memName SCHEDULING FORCED BY USER EXIT**

**Explanation:** This information message indicates that the memName member was ordered due to a user exit decision.
This message is only issued when user exit CTMX001 is called before normal Control-M scheduling logic has been performed, or when CTMX001 overrides a Control-M scheduling decision not to order the job. This message can appear only after optional installation feature WM2603 has been enabled.

**Corrective Action:** No action is required.

**JOB556W MEMBER memName: INVALID RETURN CODE FROM USER EXIT IGNORED. PRESUMED TO BE 0**

**Explanation:** User exit CTMX001 returned an invalid return code. Control-M continues as if the user exit had not been called.

**Corrective Action:** Contact your INCONTROL administrator to correct user exit CTMX001.

**JOB557W OID=orderId SCHEDULING FORCED BY USER EXIT**

**Explanation:** A member was ordered as a result of a user exit decision. This message is issued when user exit CTMX001 is called before normal Control-M scheduling logic has been performed, or when CTMX001 overrides a Control-M scheduling decision not to order the job. This message can appear only after optional installation feature WM2603 has been enabled.

**Corrective Action:** No action is required.

**JOB558W OID=orderId ILLEGAL RETURN CODE FROM USER EXIT IGNORED**

**Explanation:** User exit CTMX001 returned an invalid return code. Control-M continues as if the user exit had not been called.

**Corrective Action:** Contact your INCONTROL administrator to correct user exit CTMX001.

**Messages JOBDOO through JOBDxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**JOBD65E JOB jobName OID=orderId ODATE odate BYPASSED DUE TO MISSING PREV/NEXT DATES - descr**

**Explanation:** The job was not scheduled by Control-M because the requested previous or next original scheduling date (ODAT), could not be calculated.

The job to be scheduled contains IN and/or OUT conditions with ODAT PREV or ODAT NEXT. However these dates could not be calculated by Control-M, possibly because the calendar for the previous or next year is missing.

The job is not scheduled. Processing continues with the next job.

**Corrective Action:** Correct the situation and then reschedule the job manually.
JOBD66E MEMBER memName ODATE odate BYPASSED DUE TO MISSING PREV/NEXT DATES - descr

Explanation: The member was not scheduled by Control-M because the requested previous or next original scheduling date (ODAT) could not be calculated.

The member to be scheduled contains IN and/or OUT conditions with ODAT PREV or ODAT NEXT. However, these dates could not be calculated by Control-M, possibly because the calendar for the previous or next year is missing.

The member is not scheduled. Processing continues with the next member.

Corrective Action: Correct the situation and then reschedule member manually.

JOBD67S ORDERING CHECKPOINT RECORD IS INVALID FOR THIS DAILY

Explanation: The Ordering Checkpoint Record contains recovery information which is invalid for this Daily run.

The Ordering Checkpoint Record, which is in the same member as the User Date Control Record, contains data specifying recovery for the CTMJOB program, but these data are incorrect for the jobs that were ordered in this run of CTMJOB.

The CTMJOB program ends with errors.

Corrective Action: Either run CTMJOB with the same data (ordered jobs) as were in the last (abending) run, or blank out the values of the keywords in the Ordering Checkpoint Record, and run CTMJOB without recovery.

JOBD68S STRUCTURE OF ORDERING CHECKPOINT RECORD IS INVALID

Explanation: The Ordering Checkpoint Record contains invalid keywords, or valid keywords in invalid offsets. The Ordering Checkpoint Record, which is in the same member as the User Date Control Record, contains keywords in an unexpected structure.

The CTMJOB program ends with errors.

Corrective Action: Either correct the Ordering Checkpoint Record, or delete the Ordering Checkpoint Record, and run CTMJOB without recovery.

JOBD69I NO JOBS WERE SCHEDULED DURING SCHEDULING REQUEST

Explanation: This information message indicates that no jobs matched the ordering criteria during a scheduling request. This message is issued after the scheduling request has been processed, and no jobs were ordered.

Corrective Action: If you think a job should have been ordered in this scheduling request, check and correct the scheduling parameters as required, and rerun the scheduling request.

JOBD6AI RETRO SCHEDULING BYPASSED FOR JOBS WITHIN GROUP

Explanation: This information message indicates that Y was specified in the RETRO field in a group entity or in one of the group jobs. RETRO processing is not supported in GROUPS. Setting RETRO to Y in a group can cause jobs to be scheduled on inappropriate ODATES.

The RETRO field is ignored in group processing.
**Corrective Action:** Set the RETRO field to N and retry.

**JOBD6BI NUMBER OF JOBS ORDERED - jobsnum**

**Explanation:** This information message indicates the number of jobs ordered by the present invocation of CTMJOB.

**Corrective Action:** No action is required.

**JOBD90E RECOVERY RECORD INCOMPATIBLE WITH DATE RECORD**

**Explanation:** The Date Control Record indicates that recovery is not necessary, but the recovery record, that is, the second record of the Date Control Record member used for Enhanced Daily Checkpointing, indicates that recovery is needed.

This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure. In the Date Control Record, date-2 (columns 18-23) is equal to date-3 (columns 25-30) and date-4 (columns 43-48) is equal to date-5 (columns 50-55). However, the recovery record contains non-blank values for the recovery parameters.

For more details, please refer to the description of the Date Control Record in the *INCONTROL for z/OS Administrator Guide*.

The program terminates with a condition code of 08.

**Corrective Action:** If recovery is required, set date-3 to the day before date-2, and date-5 to the day before date-4. If recovery is not required, replace the values in the recovery record with blanks.

**JOBD91E INVALID PREVIOUS MONTHLY SCHEDULING DATE IN USER DATE CONTROL RECORD (POSITIONS 25-30)**

**Explanation:** Invalid previous monthly scheduling date in the User Daily Date Control Record date-3 (columns 25-30). This error message is issued by the CTMJOB program, which is usually activated as part of the New Day procedure.

Valid formats for the date are:
- ddmmyy
- mmddyy
- yymmdd

Possible causes are:
- The previous run of the CTMJOB program did not complete successfully.
- The contents of the User Daily Date Control Record (the DACHK DD statement) have been incorrectly modified manually.

For more details please refer to description of the Date Control Record in the *INCONTROL for z/OS Administrator Guide*.

The program terminates with a condition code of 08.

**Corrective Action:** Correct the Date Control Record (the DACHK DD statement) and rerun the New Day procedure.
Messages JOBL00 through JOBLxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

JOBL34E INVALID ORDER REQUEST STARTING keyName

**Explanation:** A syntax error was found on the previously displayed line.

The CTMJOB program ends with errors.

**Corrective Action:** Correct the erroneous keyword or data in the order request.

JOBL35I ORDER REQUEST LINE

**Explanation:** This information message is a standard message when a request order is being processed.

**Corrective Action:** No action is required.

JOBL36E DUPLICATE KEYWORD keywd IN ORDER REQUEST

**Explanation:** A keyword was given twice in the same order request. The order request which was listed prior to this message contains the same keyword twice, regardless of whether or not the values are identical.

The CTMJOB program ends with errors.

**Corrective Action:** Delete the duplicate keyword in the order request.

JOBL37S SIZE OF TABLE table_mem FROM DSN lib GREATER THAN MAXIMUM

**Explanation:** The table member either exceeds the maximum allowed size, or contains invalid data.

The CTMJOB program ends with errors.

**Corrective Action:** Check that the table member contains less than 32,000 records of valid scheduling definitions.

JOBL38S ERROR READING MEMBER table_mem FROM DATASET lib. RC=rc.

**Explanation:** Reading the specified table member failed.

The order request could not be done either because the library did not exist, or could not be allocated, or the table member was not found.

The CTMJOB program ends with errors.

**Corrective Action:** Check that the order request is given to an existing 80-bytes record length library, and the member can be accessed. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.

JOBL39E INVALID DATE date IN ORDER REQUEST

**Explanation:** The date specified in the order request is not a valid date.
The CTMJOB program ends with errors.

**Corrective Action:** Check that the specified date is specified correctly according to your installation standards.

**JOBL40E** JOB jobName GROUP groupName COMBINATION NOT FOUND IN TABLE table_mem

**Explanation:** None of the jobs in the table satisfy both selection criteria of “JOB” and “GROUP”, specified in the ORDER request.

**Corrective Action:** Specify other values to order the jobs.

**JOBL41E** MISSING OBLIGATORY PARAMETER parm IN ORDER REQUEST

**Explanation:** The specified parameter was not given in the order request.

Some parameters are obligatory in each order request. Failing to specify one of them results in this message being issued.

The CTMJOB program ends with errors.

**Corrective Action:** Supply the missing parameter.

**JOBL42E** MUTUALLY EXCLUSIVE KEYWORDS SPECIFIED IN ORDER REQUEST

**Explanation:** Two keywords which are mutually exclusive where given in the same order request.

Certain keywords, such as DSNAME and DDNAME, cannot appear together on the same order request.

The CTMJOB program ends with errors.

**Corrective Action:** Specify one of the keywords.

**JOBL43W** DASTAT DD CARD MISSING

**Explanation:** The DASTAT DD statement is missing from the file allocation of the job step.

This warning message is issued by the CTMJOB program.

The Automatic Tape Adjustment facility is skipped. Jobs are ordered, but required resource quantities are not computed for these jobs.

**Corrective Action:** Add a DASTAT DD statement for future runs.

**JOBL44W** AUTO TAPE DRIVE RESOURCE ADJUSTMENT IS BYPASSED DUE TO PREVIOUS MESSAGE

**Explanation:** This warning message indicates that the Automatic Tape facility cannot adjust resources for jobs currently being processed.

This is a summary message. It is preceded by a message that describes the reason for the error.

The Automatic Tape Adjustment facility is skipped. Jobs are ordered without computing the quantity of required resources.
**Corrective Action:** View the error message that precedes this message and correct the problem described there.

**JOBL45E** ERROR ANALYZING PARM MEMBER "UNITDEF" AT LINE lineNum

**Explanation:** An invalid definition was found in the UNITDEF parameter member. The UNITDEF parameter member associates logical names to physical resources. In this message, lineNum is the number of the line in the UNITDEF parameter member where the error occurred.

Resource definition example in the UNITDEF file:
```
CARTRIDGE=(0480-0483,0440-0445,0300-031F,0552-0553,0556-0557),DESC=3490 RANGE
```

The Automatic Tape Adjustment facility is skipped. Jobs are ordered without computing the required amount of resources.

**Corrective Action:** Correct the error at the specified line. View the description in the UNITDEF file supplied during the installation.

**JOBL46W** DAUNITDF DD CARD MISSING

**Explanation:** The UNITDEF DD statement is missing. This warning message is issued by the CTMJOB program. The Automatic Tape Adjustment facility is skipped. Jobs are ordered without computing the required amount of resources.

**Corrective Action:** Add a UNITDEF DD statement to the JCL stream.

**JOBL47S** GETMAIN FAILED IN CTMATD AUTO TAPE PROCESSING

**Explanation:** The Control-M Daily Subsystem stopped due to insufficient memory. The Daily job stops execution.

**Corrective Action:** Increase the region size defined in the Daily job and rerun the job.

**JOBL48W** CONDITION IN JOB NOT ADJUSTED

**Explanation:** The requirement that a prerequisite condition exist (for a job which is part of a group) was not deleted. The “adjust conditions in a group” feature failed to delete the requirement that a prerequisite condition exist for one of the jobs of a group.

The job is ordered with the prerequisite condition requirement intact.

**Corrective Action:** Determine if the condition prevents the job from running. If so, add the required condition manually in screen 4 or erase the requirement for the condition from the job in zoom screen 3.Z.

**JOBL49W** NOT ALL CONDITIONS IN JOB COULD BE ADJUSTED

**Explanation:** The requirement for prerequisite conditions for a job which is part of a group were not deleted.
This message accompanies message JOBL48W.
The job is ordered prerequisite condition requirement intact.
**Corrective Action:** Determine if the condition prevents the job from running. If so, add the required condition manually in screen 4 or erase the requirement for the condition from the job in zoom screen 3.Z.

**JOBL4AE DSN data_set_name**
**Explanation:** The scheduling library in which the table mentioned in JOBL40E resides.
This message accompanies message JOBL40E.
**Corrective Action:** Specify the correct values to order the jobs.

**JOBL50E DYNAMIC ORDER FAILED**
**Explanation:** A request to dynamically insert a job into a Group Entity that is already on the Active Jobs file has failed. The reason for the failure is detailed in an accompanying message.
Dynamic ordering of the job was not performed.
**Corrective Action:** Check the accompanying message to determine the cause of the failure, and respond accordingly.

**JOBL51E RBA rba IS NOT POINTING TO A VALID GROUP IN THE AJF**
**Explanation:** A request to dynamically insert a job into a group failed because the rba, which points to the Group Entity in the Active Jobs file, was not pointing to a Group Entity.
Dynamic ordering of the job is not performed.
**Corrective Action:** Find the correct Group Entity rba, and change the order request accordingly.

**JOBL52E JOB jobName NOT FOUND IN GROUP grpname RBA rba**
**Explanation:** A request to dynamically insert a job as part of a group failed, because the job is not a member of the group. Users can dynamically insert jobs only if the jobs are members of the group definition.
The job is not ordered.
**Corrective Action:** Correct the order request appropriately.

**JOBL53E GROUP grpname RBA rba IS FULL. NO MORE JOBS CAN BE DYNAMICALLY INSERTED**
**Explanation:** A request to dynamically insert a job into a group in the AJF failed, because the group already contains the maximum number of jobs allowable in a group.
The job is not ordered.
**Corrective Action:** No action is required.
JOBL54E DUPLICATE JOB jobName FOUND IN GROUP grpname RBA rba

Explanation: A request to dynamically insert a job into a group in the Active Jobs file failed because a job with same name already exists in the group, and the order request did not specify the DUP (duplicate) parameter.

The job is not ordered.

Check if the job should still be inserted in the group. If so, dynamically insert a duplicate job into the group using the DUP parameter in the ORDER statement.

Corrective Action: No action is required.

JOBL55E TABLE table IS NOT A SMART TABLE

Explanation: The table specified is not a SMART table.

Corrective Action: Specify a SMART table.

JOBL57E SELECT/IGNORE RBC COMMAND IN ERROR

Explanation: There is a syntax error in the SELECT or IGNORE RBC statement. The ORDER statement (to which this SELECT or IGNORE RBC command refers) is ignored. The daily job resumes processing with the next ORDER statement.

Corrective Action: Use one of the following syntaxes:
  - SELECT RBC rbcname
  - IGNORE RBC rbcname

JOBL58I JOB xxxxxxxx ORDERID=nnnnn ODATE YYYYYY ORDERED

Explanation: Job has been ordered successfully.

Corrective Action: No action is required.

JOBL59I JOB xxxxxxxx NOT ORDERED

Explanation: Job has not been ordered.

Corrective Action: Check for additional messages that explain why the job was not ordered successfully.

JOBL60I SMART ENTITY xxxxxxxx ORDERID=nnnnn ODATE YYYYYY ORDERED

Explanation: SMART Entity has been ordered successfully.

Corrective Action: No action is required.

JOBL61I SMART ENTITY xxxxxxxx NOT ORDERED

Explanation: SMART Entity has not been ordered.

Corrective Action: Check for additional messages that explain why the SMART Entity was not ordered successfully.
JOBL62I JOB xxxxxxxx ORDERING BYPASSED

**Explanation:** Ordering of job has been bypassed because the SMART Table has not been ordered.

**Corrective Action:** Refer to previous message(s) that describe why SMART Table has not been ordered.

JOBL63I NO JOBS WERE SCHEDULED. REQUEST IS IGNORED

**Explanation:** Performing ORDER request, but no JOB was eligible to be ordered because the scheduling criteria were not satisfied.

**Corrective Action:** No action is required.

JOBL64E ORDERING FAILED FOR SMART TABLE xxxxxxxx

**Explanation:** Performing ORDER request of a SMART Table. The order request failed because of an error in the SMART Table.

**Corrective Action:** Refer to previous message(s) that describes the error.

JOBL65W ORDERING CANCELED BY USER EXIT

**Explanation:** Performing ORDER request of a SMART Table. The order request failed because of an error return code from either the Control-M user exit CTMX001 or the security module CTMSE01.

**Corrective Action:** Refer to previous message(s) that describes the error.

JOBL66I ORDERING UNIQUE FLOW PROCESS STARTED

**Explanation:** This information message indicates that the CTMJOB program has started a UNIQUE FLOW (UFLOW) order request.

**Corrective Action:** No action is required.

JOBL67I ORDERING UNIQUE FLOW PROCESS ENDED - ID WAS SET TO uid

**Explanation:** This information message indicates that the CTMJOB program has successfully ordered a UNIQUE FLOW (UFLOW) request.

The *uid* is the three characters that the CTMJOB adds to all IN and OUT conditions that are part of the UNIQUE FLOW.

**Corrective Action:** No action is required.

JOBL68W ORDERED UNIQUE FLOW ID. NO VALID CONDITION FOUND. UFLOW REQUEST IGNORED

**Explanation:** This warning message indicates that the CTMJOB program did not find any valid conditions that satisfy the UNIQUE FLOW (UFLOW) rule.

For a description of UNIQUE FLOW, refer to the Control-M for z/OS User Guide.

The CTMJOB program will perform the ORDER request as a regular order.

**Corrective Action:** No action is required.
JOBL69E ERROR IN UNIQUE FLOW ID PROCESSING --- - BACKED OUT

**Explanation:** This error message indicates that the CTMJOB program succeeded in backing out jobs that were ordered as part of the UNIQUE FLOW (UFLOW).

Message JOB511I was issued for the JOBs that were ordered.

The jobs will not be placed in the AJF.

If `order_number` equals “000” it means that the error occurred before any jobs were ordered as part of the UNIQUE FLOW (UFLOW).

**Corrective Action:** Correct the error as described in the previous message and reorder the table.

JOBL6AE ERROR IN ORDER FOR UNIQUE FLOW ID --- - BACKED OUT

**Explanation:** This error message indicates that the CTMJOB program succeeded in backing out jobs that were ordered as part of the UNIQUE FLOW (UFLOW).

Message JOB511I was issued for the JOBs that were ordered.

The jobs will not be placed in the AJF.

If `order_number` equals “000” it means that the error occurred before any jobs were ordered as part of the UNIQUE FLOW (UFLOW).

**Corrective Action:** Correct the error as described in the previous message and reorder the table.

JOBL6BE UNIQUE FLOW ID - CONDITION IS TOO LONG `condition_name`

**Explanation:** This error message indicates that the CTMJOB program found an IN or OUT condition name whose length is greater than 36 characters. When the UNIQUE FLOW process adds a prefix of three characters to the condition name, the name will become invalid.

The UNIQUE FLOW process will fail and all jobs will be backed out.

**Corrective Action:** Shorten the condition name and reorder the table.

JOBL6CE UNIQUE FLOW ID - NOT ENOUGH SPACE FOR CONDITION -

**Explanation:** This error message indicates that the CTMJOB program failed to add the JOB to the AJF because the UNIQUE FLOW process increased the size of the IN or OUT condition name.

The UNIQUE FLOW process will fail and all jobs will be backed out.

**Corrective Action:** Compress the AJF or increase the AJF file size. Refer to the INCONTROL for z/OS Administrator Guide.
JOBL6DE ORDER REQUEST REJECTED BECAUSE KEYWORDS "UFLOW" AND "JOB=" ARE MUTUAL EXCLUSIVE

Explanation: This error message indicates that the CTMJOB program identified that the UNIQUE FLOW is filtered by "JOB=". UNIQUE FLOW is only for jobs in the table whose scheduling criteria are satisfied. The UNIQUE FLOW process will not continue.

Corrective Action: Remove the JOB or the UFLOW from the ORDER request and reorder the table.

JOBL6ES ORDER UFLOW SEVERE ERROR RC=return_code

Explanation: CTMJOB was performing an ORDER request with a Unique Flow ID (UFLOW), but the process failed with an internal error, indicated by RC=return_code.

Corrective Action: Perform the ORDER request again. If the problem persists, do the following:

1. Add IOA TRACE LEVEL=128 to the JOB as follows:
   ```
   //DATRACE DD SYSOUT=* 
   //DATRCIN DD * 
   TRACE=128 
   ```
2. Perform the ORDER request again.
3. Collect the JOB's outputs.
4. Contact BMC Customer support or open an ISSUE about the problem, attaching the JOB's outputs to the ISSUE.

J SA messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages J SA900 through J SA9xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

J SA901S SORT FAILED RC=rc

Explanation: A sort program activated by the CTMJ SA utility failed.

In this message, rc is the SORT return code.

The utility stops executing with a condition code of 12.

Corrective Action: Check the SORT manual for the return code and correct.
JSA903S OPEN OF JOBS EXECUTION STATISTICS FILE FAILED. RC=rc ERROR=errCode

Explanation: The CTMJ SA utility is unable to open Control-M Jobs Execution Statistics file.
Possible causes are:

- The DASTAT DD statement is missing.
- The DASTAT DD statement describes a file different from the Control-M job execution statistics file.
- VSAM open error.
- The statistics file was not properly initialized. (See the FORMSTT job in the Control-M installation library.)
- The CTMJ SA utility was invoked simultaneously from batch and from the online facility (Option S in the Status screen).

The utility stops executing with a condition code of 12.

Corrective Action: Look for VSAM messages or other system messages. Correct the JCL and rerun the job.

JSA904S INVALID RC WHILE READING JOBS EXECUTION STATISTICS FILE. RC=rc ERROR=errCode

Explanation: An unexpected return code from VSAM during read operation by the CTMJ SA utility.
The utility stops executing with a condition code of 12.

Corrective Action: Check the return codes in the related IBM VSAM manuals, and correct the problem accordingly.

JSA905S INVALID RC WHILE WRITING JOBS EXECUTION STATISTICS FILE. RC=rc ERROR=err

Explanation: An unexpected return code from VSAM during write operation by utility CTMJ SA.
The utility stops executing with a condition code of 12.

Corrective Action: Check the return codes in the related IBM VSAM manuals, and correct the problem accordingly. If the Job Execution Statistics file reaches its capacity, it is highly recommended to check whether the CTMJ SA utility is also accumulating “ad hoc” jobs. Your system programmer should use Control-M exit CTMX005 to control the jobs accumulated to the statistics file.

JSA906S ACCUMULATION STOPPED BECAUSE OF A REQUEST FROM USER EXIT 005

Explanation: The CTMX005 Control-M user exit returned a return code to stop the run of the CTMJ SA utility.
The utility stops executing with a condition code of 12.

Corrective Action: Check for messages from the user exit that will clarify the reason.
JSA907S INVALID CLEANUP DATE PARAMETER

**Explanation:** An invalid value was specified in the CLEANUP parameter of the CTMJSA utility. The CTMJSA utility is used to collect statistics about Control-M jobs. The utility ends with errors.

**Corrective Action:** Specify a valid date (in the format in use at your site), and rerun the utility.

JSA908S {READ | WRITE} ERROR err_num REASON rsn WHILE PERFORMING "CLEANUP". OPERATION WILL BE SKIPPED.

**Explanation:** An error was encountered while the CTMJSA utility processed the statistics file. The `err_num` and `rsn` are IBM codes returned by IBM VSAM. Old records are not removed from the statistics file. However, updates to this file are attempted.

**Corrective Action:** Check the IBM manual *Macro Instruction for Data Sets* for a list of reason codes and their meaning when processing VSAM files, such as the Control-M statistics file.

JSA909I STAT RECORD: MEMBER memName GROUP groupName WAS action

**Explanation:** This information message indicates the action taken against the indicated Statistics job record (with the `memName` member and `groupName` group in its key), based upon the CLEANUP criteria specified during a run of the CTMJSA utility.

When the action is DELETED, the entire job record is removed from the Statistics file. When the action is CLEANED, the individual job occurrences in the job record (but not the job record itself) are removed.

**Corrective Action:** No action is required.

JSA921I ACCUMULATION OF JOB EXECUTION STATISTICS STARTED

**Explanation:** This information message is a normal starting message of the CTMJSA utility.

**Corrective Action:** No action is required.

JSA922I ACCUMULATION OF JOB EXECUTION STATISTICS ENDED WELL

**Explanation:** This information message is a normal ending message of the CTMJSA utility.

**Corrective Action:** No action is required.

JSA924S INVALID DATE FORMAT. "DDMMYY" OR "MMDDYY" EXPECTED

**Explanation:** Invalid date format specified in the parameters to the CTMJSA utility. The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter and rerun the utility. See the *INCONTROL for z/OS Utilities Guide* for a description of the parameters of the utility.
JSA925S MULTIPLE USE OF PARAMETER. ONLY ONE OCCURRENCE IS ALLOWED

**Explanation:** The same parameter has been specified more than once (the CTMJ SA utility).

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter and rerun the utility. See the *INCONTROL for z/OS Utilities Guide* for a description of the parameters of the utility.

JSA926S INVALID ACCUMULATION PARAMETER

**Explanation:** Invalid parameter specified to the CTMJ SA utility.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter and rerun the utility. See the *INCONTROL for z/OS Utilities Guide* for a description of the parameters of the utility.

JSA927S INVALID DATE FORMAT. "DDMMYY" OR "MMDDYY" OR "-NN" EXPECTED

**Explanation:** Invalid date format specified in the parameters to the CTMJ SA utility.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter and rerun the utility. See the *INCONTROL for z/OS Utilities Guide* for a description of the parameters of the utility.

JSA928S "ODATE" MUST BE SPECIFIED WHEN RELATIVE DATE IS USED

**Explanation:** The parameters of the CTMJ SA utility contained a relative date reference. Therefore, an ODATE must be specified.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter and rerun the utility. See the *INCONTROL for z/OS Utilities Guide* for a description of this utility.

JSA929S MISSING OBLIGATORY PARAMETERS

**Explanation:** Some obligatory parameters are missing for the CTMJ SA utility.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter and rerun the utility. See the *INCONTROL for z/OS Utilities Guide* for a description of the parameters of the utility.

JSA930S "FROMDATE" IS AFTER "TODATE"

**Explanation:** Wrong date range to the CTMJ SA utility.

The utility stops executing with a condition code of 12.

**Corrective Action:** Correct the parameter and rerun the utility. See the *INCONTROL for z/OS Utilities Guide* for a description of the parameters of the utility.
**JSA932W MEMBER=memName MAXIMUM NUMBER TAPE UNITS (number) EXCEEDED FOR JOB**

**Explanation:** During execution of the Control-M utility CTMJ SA (Statistics Accumulation), message SPY28GI (Tape usage for the Automatic Tape Adjustment feature) was processed, which specified more than 15 tape units (number) for a tape device type allocated in a job ordered under the memName MEMNAME.

Future automatic allocations of Control-M tape resources may be under-allocated for jobs that exceed a maximum of 15 tape units of a given device type.

A maximum of 15 units for the tape device in question will be stored in the Control-M Statistics file and displayed in the Statistics screen (3.S) for the member.

**Corrective Action:** No action is required.

**JSA933S ERROR MERGING STATISTICS FILE RECORDS.**

**FUNCTION=function RC= rc ERROR=errCode**

**Explanation:** An unexpected return code from an operation by the CTMJ SA utility. If the function prefix is VSM, the attempted operation is indicated as 'oooo' in the FUNCTION=VSMoooo parameter. A function prefix of BSR indicates a non-VSAM internal routine error.

The utility stops executing with a condition code of 12.

**Corrective Action:** If the function prefix is VSM, check the return codes in the related IBM VSAM manuals and correct the problem accordingly. If the function prefix is BSR, contact BMC Software Customer Support.
K - M

This group includes messages for the Control-D (including Control-D/Image and Control-D/Page on Demand), Control-M for z/OS (including Control-M/Assist, Control-M/Links for z/OS Control-M/Restart), Control-M/Tape, Control-O, and IOA products.

KOA messages

This group includes messages for the Control-O product.

Messages KOA0 through KOA0xx

This group includes messages for the Control-O product.

KOA003E VTAM APPLICATION IS NOT RESPONDING

**Explanation:** The VTAM application did not respond within the time limit. The VTAM application is probably not active.

The response time limit is specified in two places:

- the KOATIME parameter in the CTOPARM member
- the TIMEOUT parameter in the IOAYCNST member

The KOA session terminates.

**Corrective Action:** Ensure that the required VTAM application is active. If the application is active but does not respond, contact your system administrator. Consider increasing the value set for the KOATIME parameter.

KOA004E A LOGICAL OR PHYSICAL ERROR OCCURRED. SENSE= rc. fdb2.fdbk2

**Explanation:** An error occurred while exit routine LERAD/SYNAD was activated for this session.

The variables in this message are:

- rc - MVS return code
- fdb2 - MVS FDB2 function
- fdbk2 - MVS FDBK2 function

For more information, see the description of RPL-based macroinstruction errors and special conditions in the IBM manual *VTAM Programming*.

Session terminates.

**Corrective Action:** Contact your system administrator.
KOA005E VTAM CANNOT ESTABLISH THE REQUESTED SESSION

**Explanation:** The application received a network service request unit. The network service request unit was one of these:
- Cleanup session request unit
- Notify request unit
- Network services procedure error request unit

For more information, see the description of the NSEXIT Exit Routine in the IBM manual *VTAM Programming*.

Session terminates.

**Corrective Action:** Contact your system administrator.

KOA008E INSUFFICIENT STORAGE. INCREASE THE REGION SIZE

**Explanation:** Insufficient memory to perform the task.

**Corrective Action:** For jobs, increase the REGION size. For TSO, log on again using a larger SIZE parameter or exit one of the screens.

KOA009E THE SPECIFIED LU IS ALREADY BEING USED

**Explanation:** The Logical Unit is active in another session.

The session terminates.

**Corrective Action:** Change the Logical Unit name or contact your system administrator.

KOA00AE THE SPECIFIED LU IS NOT DEFINED

**Explanation:** The requested Logical Unit name was not defined in VTAM or was not activated.

The session terminates.

**Corrective Action:** Contact your system administrator.

KOA00BE ALL THE DEFINED APPLICATIONS ARE BEING USED

**Explanation:** No Logical Units are available.

The session terminates.

**Corrective Action:** Change the Logical Unit name or contact your system administrator. Consider increasing the number of Logical Terminals specified in the KOATERM parameter in the CTOPARM member.

KOA00CE THE SPECIFIED APPLICATION IS NOT AVAILABLE

**Explanation:** The requested application was not defined in VTAM.

The session terminates.

**Corrective Action:** Contact your system administrator.
KOA00EE FUNCTION func FAILED. SENSE = rc. fdb2. fdbk2

Explanation: The user requested function func. However, func cannot be executed.
The variables in this message are:
- rc - MVS return code
- fdb2 - MVS FDB2 function
- fdbk2 - MVS FDBK2 function

For more information, see Return Codes and Sense Fields for RPL-based Macro instructions in the IBM manual VTAM Programming.
The session terminates.

Corrective Action: Contact your system administrator.

KOA00FE NON-LU2 TYPE HAS BEEN DEFINED

Explanation: The user specified a Logical Unit name with a non-LU2 type.
The session terminates.

Corrective Action: Contact your system administrator.

KSL messages

This group includes messages for the IOA (infrastructure) product.

Messages KSL300 through KSL3xx

This group includes messages for the IOA (infrastructure) product.

KSL320E MAXIMUM NUMBER OF ARGUMENTS IN A CALL COMMAND IS 9

Explanation: A CALLMEM command was followed by more than nine (9) arguments.
The maximum number of arguments in a CALLMEM command is 9. The arguments must be separated with blanks. An argument specified between quotes and containing blanks is interpreted as a few arguments.
The KeyStroke Language Report will terminate with a condition code of 08 or 12.

Corrective Action: Correct the syntax of the CALLMEM command.

KSL321E CALLMEM MEMBER IS EMPTY

Explanation: The member that has been invoked by the CALLMEM command was empty.
The KeyStroke Language Report will terminate with a condition code of 12.

Corrective Action: Correct the syntax of the CALLMEM command or put a valid command in the called member.
KSL322E ARGUMENT REPLACEMENT WILL EXPAND THE CARD OVER ITS MAXIMUM LENGTH

Explanation: The result of argument replacement in a line of the member invoked by a CALLMEM command caused the line to be expanded over column 72. The problem line is printed before this message.

The KeyStroke Language Report will terminate with a condition code of 12.

Corrective Action: Correct the syntax of the CALLMEM command or of the erroneous line.

KSL337I text

Explanation: This information message indicates that at KeyStroke Language Report termination, the variable %MSG contained the text.

It is usually a message which is intentionally issued as part of the report definition.

Corrective Action: No action is required.

KSL338E INVALID VALUE OF %RC - val

Explanation: At KeyStroke Language Report termination, the variable %RC contained an invalid value.

A valid %RC value must be a numeric string of no more than 4 characters and not higher than 4095.

The KeyStroke Language Report will terminate with a condition code of 4095.

Corrective Action: Correct the syntax of the report.

KSL339E LINE IDENTIFIER id IS NOT DEFINED

Explanation: A line identifier specified in a PRINTLINE command has not been previously defined by a SETLINE command.

In this message, id is the undefined line identifier.

The KeyStroke Language Report will terminate with a condition code of 12.

Corrective Action: Correct the syntax of the PRINTLINE command.

KSL340E SCREEN SIZE ALREADY SET, OR SCREEN COMMANDS ALREADY ACTIVATED

Explanation: A SCREENSIZE command has already been issued, or a screen related command has already been activated (for example, TYPE, ENTER, and so on).

Screen size cannot be defined twice in the same report. Upon execution of a screen related command, if the screen size has not been set, a default of 24 lines and 80 columns is assumed.

The KeyStroke Language Report will terminate with a condition code of 12.

Corrective Action: Correct the syntax of the report.
KSL341E PAGE SIZE ALREADY SET, OR PRINT/HEADER/BOTTOM COMMANDS ALREADY ACTIVATED

**Explanation:** A PAGESIZE command has already been issued, or a print related command has already been activated (for example, HEADERLINE, PRINT SCREEN).

Page size cannot be defined twice in the same report. Upon execution of a print related command, if the page size has not been set, a default of 60 lines, 132 columns is assumed.

The KeyStroke Language Report will terminate with a condition code of 12.

**Corrective Action:** Correct the syntax of the report.

KSL342E INTERNAL PRINTING ERROR. RC= rc

**Explanation:** Internal error in the Control- x KeyStroke Language printing routines.

The KeyStroke Language Report will terminate with a condition code of 12.

**Corrective Action:** Contact BMC Software Customer Support. A printed sample of the erroneous report and the report definition will be required, preferably with the TRACE ON option.

KSL343E LABEL ALREADY DEFINED

**Explanation:** The label specified in the previous line has already been defined in the same report member.

The KeyStroke Language Report will terminate with a condition code of 08 or 12.

**Corrective Action:** Correct the syntax of the report.

KSL344E GOTO TO AN UNDEFINED LABEL label

**Explanation:** A label specified in a GOTO command is not defined in the report member.

The KeyStroke Language Report will terminate with a condition code of 08 or 12.

**Corrective Action:** Correct the syntax of the report.

KSL345E IFSCREEN COMMAND NOT IN SCREEN RANGE

**Explanation:** The string to compare with the contents of the screen in the current cursor position exceeds the width of the screen line. Therefore it cannot be compared.

The KeyStroke Language Report will terminate with a condition code of 12.

**Corrective Action:** Correct the syntax of the IFSCREEN command.

KSL346E MAXCOMMAND ALREADY SET

**Explanation:** The MAXCOMMAND has already been activated.

The MAXCOMMAND command cannot be activated twice in the same report (this may result in an endless loop).

The KeyStroke Language Report will terminate with a condition code of 12.

**Corrective Action:** Correct the syntax of the report.
KSL347E HEADERSIZE/BOTTOMSIZE MUST BE ACTIVATED BEFORE A HEADERLINE/BOTTOMLINE COMMAND

Explanation: A HEADERLINE command or a BOTTOMLINE command has been activated before both the header and bottom size have been defined by a HEADERSIZE and BOTTOMSIZE command.

The KeyStroke Language Report will terminate with a condition code of 08 or 12.

Corrective Action: Correct the syntax of the report.

KSL348E UNDEFINED VARIABLE - varName

Explanation: A reference to a user variable which has not yet been defined by a SETVAR command.

A user variable is valid only inside the same report member. A user variable defined in another report member is not accessible from other report members (including the calling member).

The KeyStroke Language Report will terminate with a condition code of 12.

Corrective Action: Correct the syntax of the report.

KSL349E ERROR WHILE EXECUTING COMMAND - cmdText

Explanation: A severe error occurred during the processing of a command. Previous messages should describe the error.

In this message, cmdText is the text of the command that was being executed when the error occurred.

The KeyStroke Language Report will terminate with a condition code of 12.

Corrective Action: Correct the syntax of the report.

Messages KSL400 through KSL4xx

This group includes messages for the IOA (infrastructure) product.

KSL401I A KEYSTROKE REPORT STARTED

Explanation: This information message is a normal start message of a KeyStroke Language Report.

Corrective Action: No action is required.

KSL402I A KEYSTROKE REPORT ENDED SUCCESSFULLY

Explanation: This information message indicates that a KeyStroke Language Report ended successfully.

The report ended successfully from the point of view of report syntax and execution. A user may set the condition code to any condition code and send a message indicating otherwise. It is recommended to check the condition code as well (using the Control-M/D facilities).

Corrective Action: No action is required.

KSL403E TEXT EXPECTED BETWEEN QUOTES IN THE COMMAND

Explanation: A text between quotes is expected as one of the command parameters. The command line is printed in the previous line.
The KeyStroke Language Report will terminate with a condition code of 08 or 12.

**Corrective Action:** Refer to the *Control-M for z/OS User Guide* or the *Control-D and Control-V User Guide* for the valid command syntax.

**KSL404E REDUNDANT PARAMETERS IN THE REPORT COMMAND**

**Explanation:** Redundant text in the report line (columns 1-80). The command line is printed in the previous line.

The KeyStroke Language Report will terminate with a condition code of 08 or 12.

**Corrective Action:** Correct the syntax of the report.

**KSL405E MISSING/INVALID PARAMETERS IN THE REPORT COMMAND**

**Explanation:** A parameter of a command has an invalid value, or an obligatory command parameter is missing. The command line is printed in the previous line.

The KeyStroke Language Report will terminate with a condition code of 08 or 12.

**Corrective Action:** Refer to the *Control-M for z/OS User Guide* or the *Control-D and Control-V User Guide* for valid command syntax.

**KSL406E INVALID LINE/COL NUMBER - num (OR OUT OF RANGE)**

**Explanation:** A line number or a column number used in a KeyStroke Language Report command is not within the limits of the screen size or the limits of the print page size (or the header/bottom size), or cannot be referred to in the erroneous command.

The KeyStroke Language Report will terminate with a condition code of 08 or 12.

**Corrective Action:** Refer to the KSL section of your CONTROL product user guide for valid command syntax.

**KSL407E INTERNAL COMMAND HANDLER ERROR RC rc**

**Explanation:** An internal error occurred in the KeyStroke Language (KSL) command handler.

The return code (*rc*) is for internal use only.

The KSL report terminates with a condition code of 12.

**Corrective Action:**

1. Verify that all the sysouts produced by the KSL procedure point to a printable class.
2. Add TRACE ON and DBGLEVEL 255 statements to the KSL or KOA script to produce trace information:
3. Submit the job.
4. Report the problem with all the sysouts of the job and the return code (*rc*) to BMC Software Customer Support.
INCONTROL for z/OS Messages Manual

KSL408E MAXIMUM NUMBER OF COMMANDS EXCEEDED. REPORT IS TERMINATED

Explanation: The maximum number of report commands as defined in MAXCOMMAND, has been exceeded.

The default MAXCOMMAND value is 400. It can be set to any number up to the seven digit value 9999999.

The KeyStroke Language Report terminates with a condition code of 12.

Corrective Action: Check for a possible loop. Correct the syntax of the report, and set a larger value for MAXCOMMAND.

KSL409E A KEYSTROKE REPORT ENDED WITH ERROR(S)

Explanation: Syntax/execution error during processing of a report.

The KeyStroke Language Report will terminate with a condition code of 08 or 12.

Corrective Action: Look for the error in the report listing (the DAKSOUT DD statement).

KSL410E TYPING IN A "SCREEN" PROTECTED AREA IS NOT PERMITTED - THE REPORT IS TERMINATED

Explanation: A text (string) used in a TYPE command does not fall within the limits of one unprotected data field on the screen.

As in normal screen processing, it is impossible to type over protected screen areas.

The KeyStroke Language Report will terminate with a condition code of 12.

The current screen and the current cursor position are printed to help resolve the problem.

Corrective Action: Correct the syntax of the report.

Messages KSLA00 through KSLAxx

This group includes messages for the IOA (infrastructure) product.

KSLA60I EXCEPTIONAL CONDITION RC=rc, ERROR=err, FEEDBACK=feedback, APPLID= applId

Explanation: This information message indicates that an exceptional VTAM condition was encountered during the execution of a KOA communication command.

This informational message is issued by the KOA Facility. Return code, error and feedback information are detailed in the KeyStroke Language (KSL) User Guide.

The KOA script continues processing. If an ON SCREENERROR statement was specified, the processing resumes at the label specified in the ON statement.

Corrective Action: Analyze the specific VTAM error, and take the corresponding corrective actions. Make sure that the error is handled correctly by the KOA script.
KSLA61E SCREEN COMMAND EXECUTED WITH NO SCREEN AVAILABLE

Explanation: A screen command was executed; however, no screen was available to the KOA script. Either a screen command was executed before a KOA session was established by means of a LOGON command, or the KOA session was lost due to communication errors. The KOA script is terminated.

Corrective Action: Check previous error messages. If necessary, correct the error handling inside the KOA script.

KSLA62E CONTROL-O IS NOT ACTIVE. GLOBAL VARIABLES CANNOT BE USED

Explanation: A SETOGLB KOA statement was executed while the Control-O monitor was not active. Control-O Global variables may be set by a KOA script only while Control-O is active. The KOA script is terminated.

Corrective Action: Correct the KOA script, or start the Control-O monitor.

KSLA63E SPECIFIED SESSION ID IS NOT ACTIVE

Explanation: A SETSESS KOA statement specified the ID of a session which is not active. Either the session was not established through a LOGON command, or the session was lost due to communication errors. The KOA script is terminated.

Corrective Action: Check for previous error messages. Correct the KOA script accordingly, and resubmit.

KSLA64E KEYSTROKE UTILITY DETECTED INTERNAL ABEND abCode

Explanation: An internal abend was intercepted by the KeyStroke utility. The KSL/KOA script is terminated.

Corrective Action: Check the associated error messages. Correct the KOA script accordingly, and resubmit.

KSLA65E ALLOC OF DDNAME ddName FAILED, RC = rc, ERROR= err, DSN= dsn

Explanation: An ALLOC statement failed due to a dynamic allocation error. The KSL/KOA script is terminated.

Corrective Action: Check the return code and error information. Correct the KSL/KOA script accordingly, and resubmit.

KSLA66E FREE OF DDNAME ddName FAILED

Explanation: A FREE statement failed due to a dynamic deallocation error.
The KSL/KOA script is terminated.

**Corrective Action:** Correct the KSL/KOA script accordingly, and resubmit.

KSLA67E OPEN OF DDNAME *ddName* FAILED

**Explanation:** An OPENFILE statement failed.

The KSL/KOA script is terminated.

**Corrective Action:** Check the preceding KSL or MVS error messages. Correct the KSL/KOA script accordingly, and resubmit.

KSLA68E CLOSE OF DDNAME *ddName* FAILED

**Explanation:** A CLOSEFILE statement failed.

The KSL/KOA script is terminated.

**Corrective Action:** Check the preceding KSL or MVS error messages. Correct the KSL/KOA script accordingly, and resubmit.

KSLA69E I/O ERROR WHEN READING FROM DDNAME *ddName*

**Explanation:** A GETFILE statement failed due to an I/O error.

The KSL/KOA script is terminated.

**Corrective Action:** Check the preceding KSL or MVS error messages. If necessary, check that the DCB characteristics of the file are correct. Correct the KSL/KOA script accordingly, and resubmit.

KSLA6AE I/O ERROR WHEN WRITING TO DDNAME *ddName*

**Explanation:** A PUTFILE statement failed due to an I/O error.

The KSL/KOA script is terminated.

**Corrective Action:** Check the DCB characteristics of the file. Make sure it is a fixed length record data set. Correct the KSL/KOA script accordingly, and resubmit.

KSLA6BE UNSUPPORTED DCB CHARACTERISTICS FOR DDNAME *ddName*

**Explanation:** The KeyStroke utility handles only fixed length record data sets. An OPENFILE statement failed because the record format of the specified data set is not fixed or the record length exceeds 150 characters.

The KSL/KOA script is terminated.

**Corrective Action:** Check the DCB characteristics of the file. Make sure the file is a fixed length record data set with a record length that does not exceed 150 characters. Correct the KSL/KOA script accordingly and resubmit.

KSLA6CE ENQ ERR RC= rc, Q= queueName, R= resourceName

**Explanation:** The execution of the KSL OPEN statement issued an Enqueue request which failed.

The request is terminated.
**Corrective Action:** Check the return code of the Enqueue failure and proceed accordingly.

KSLA6DE RSV ERR RC= rc, Q= queueName, R= resourceName

**Explanation:** The execution of the KSL OPEN statement issued a Reserve request which failed. The request is terminated.

**Corrective Action:** Check the return code of the Reserve failure and proceed accordingly.

KSLA6EE DDNAME ddName NOT FOUND

**Explanation:** Control-O was unable to locate the specified data set while executing an OPENFILE request. The OPENFILE request fails.

**Corrective Action:** Check why `ddName` is not allocated. Correct the KOA/KSL script or the JCL, and rerun.

KSLA6FE SETOLOC/SETOGLB ERROR CODE = rc REASON = rsn, TEXT=AutoEdit_expression

**Explanation:** An error was detected while trying to resolve a SETOGLB or SETOLOC KSL/KOA statement. The KSL/KOA program is terminated.

**Corrective Action:**
1. Ensure that the AutoEdit expression in the SETOLOC or SETOGLB statement is correctly written.
2. For an explanation of the return code and reason code included in this message, see the table in the explanation of message WTO283E.

KSLA70E THERE IS AN ERROR IN IOAKPRM MEMBER. PLEASE CHECK THE SMFID FIELD.

**Explanation:** The SMFID of the CPU to which the KSL job was submitted does not appear in the IOAKPRM member in the IOA PARM library. The KSL stops running.

**Corrective Action:** Add the SMFID by making the appropriate entry in the IOAKPRM member. The best way of doing this is by means of the INCONTROL Installation and Customization Engine (ICE). For more information on ICE, see the ICE chapter in the INCONTROL for z/OS Installation Guide.

**LDT messages**

This group includes messages for the Control-O product.

**Messages LDT500 through LDT5xx**

This group includes messages for the Control-O product.
LDT500I RULE= rule TYPE= rule_typ TABLE= tableName LIB= lib

**Explanation:** This information message provides information about each rule in the table that was not loaded by ORDER or FORCE requests.

The variables in this message are:
- **rule** - the name of the rule
- **rule_typ** - the type of rule
- **tableName** - the name of the table containing the rule
- **lib** - the name of the library containing the table

**Corrective Action:** Examine previously issued messages to ascertain the reason why the rule identified in this message was not loaded, and take appropriate corrective action.

LDT501I func OF RULE TABLE(S) STARTED

**Explanation:** This information message indicates that the function func started on the rule tables.

**Corrective Action:** No action is required.

LDT502E MEMBER IN USE= memb DSN= dsn

**Explanation:** The user attempted to load a rule table but the table was currently being used. This message is issued immediately after message CTM684E to give the name of the member and data set that are in use.

The table is not loaded.

**Corrective Action:** Try to load the required table manually or by an automated operations product when the table is not in use.

LDT503S RULE ORDER LIST IS EMPTY. DDNAME= {DARULLST | DACTMLST}

**Explanation:** Open of rule list data set failed (the DARULLST or DACTMLST DD statement).

Possible causes are:
- The DARULLST or DACTMLST DD statement is missing.
- The data set described by the DARULLST or DACTMLST DD statement cannot be opened for sequential read, or the record length is not 80.

The Control-O or CMEM monitor shuts down or continues processing according to the status of the monitor.

**Corrective Action:** Correct the JCL and restart the Control-O or CMEM monitor.

LDT504S INVALID DATA IN RULE ORDER LIST CARDS

**Explanation:** Invalid data has been found in the rule order list.

For valid format information, see the INCONTROL for z/OS Administrator Guide.
**Corrective Action:** Check the format of the rule list in the PARM library; correct and restart the Control-O or CMEM monitor.

LDT505S MEMBER `memName` NOT FOUND IN LIBRARY `lib`

**Explanation:** The `memName` member that was specified in the rule order was not found in the `lib` library. The member (rule table) may be specified incorrectly or may be missing from the library. The rule table is not ordered.

**Corrective Action:** Check and correct the member specification; reorder the rule table.

LDT506S ORDER OF TABLE `tableName` RULE `ruleName` FAILED

**Explanation:** The order of rule `ruleName` from table `tableName` failed. Prior messages usually explain why the rule table could not be ordered. The rule is not be ordered.

**Corrective Action:** Check earlier messages for reasons the rule order failed. Correct as necessary, and reorder the rule table.

LDT507I LOAD ENDED FOR TABLE `tableName` LIBRARY `lib`

**Explanation:** This information message indicates that after ordering or forcing a Control-O rule table, loading of rules from the table ended.

**Corrective Action:** No action is required.

LDT508I `{ORDER | FORCE} OF RULE(S) TABLE(S) ENDED`

**Explanation:** This information message indicates that ordering or forcing of the Control-O rule table ended.

**Corrective Action:** No action is required.

LDT509I NUMBER OF TABLES `numtbl1` PROCESSED. `numrul1` RULES LOADED AND `numrul2` RULES REJECTED

**Explanation:** This information message indicates the number of tables processed, and the number of rules that were loaded or deleted (not loaded) as a result of an ORDER or FORCE request. This information can be used for manual verification purposes.

**Corrective Action:** Check the results to ensure that the rule loading was performed correctly.

LDT50AI NUMBER OF TABLES `numtbl` RULES `numrul` DELETED

**Explanation:** This information message indicates the number of tables (`numtbl`) and the number of rules (`numrul`) deleted as a result of a MODIFY command to the Control-O or CMEM monitor.

**Corrective Action:** No action is required.
LDT50BE HOLD BY jobId ASID asid ON SYSTEM systemId

Explanation: An ORDER or FORCE command to the Control-O or CMEM monitor to load a table or tables of rules failed, because the library is held by the jobId job with the asid ASID on the systemId system.

The command fails.
Corrective Action: Try to determine why the library is held. If possible, release it, and try again to ORDER or FORCE the table or tables.

LDT50CE LIBRARY WAS MIGRATED BY HSM DSNAME=

Explanation: An ORDER or FORCE command to the Control-O or CMEM monitor to load a table or tables of rules failed, because the library had been migrated by HSM.

The command fails.
Corrective Action: If possible, restore or recall the library, then try again to ORDER or FORCE the table or tables.

LDT50FI text

Explanation: This information message displays the control record from the DARULLST or DACTMLST DD statement.
Corrective Action: No action is required.

LDT516S ERROR IN RULE DATA - MANDATORY stmt_type CARD IS EITHER MISSING OR IN AN INCORRECT ORDER

Explanation: A stmt_type statement is either missing or in the wrong order in a rule definition member.
Someone may have tampered with the rule definition data; the data do not conform to a valid Control-O or CMEM format.
The rule is not ordered.
Corrective Action: Restore the table to its original state from a backup copy, and reorder the rule table.

LDT517S RULE DATA NOT AVAILABLE: MEMBER memName IS EMPTY

Explanation: The memName member that was designated in the rule list is empty. This error message is issued by the CTOLDT program, which loads tables when a new Control-O or CMEM monitor is activated.
The table is not ordered.
Corrective Action: Check that the specification of the member in the rule list is correct. If so, check why the member is empty. Correct, and reorder the rule table.

LDT518S INVALID SCHEDULING DATE - date

Explanation: An invalid scheduling date format was used in the rule list or in a order/force request.
Valid date formats are:
ddmmmyy - Day, month, and year.
mmddyy - Month, day, and year.
* (Asterisk) - Current Control-O or CMEM working date.

The requested table order fails.

Corrective Action: Correct the date, then reorder the rule table.

LDT521S ERROR IN RULE DATA: INVALID 'EXIT' TYPE. VALUES ALLOWED MESSAGE OR WHILE

Explanation: A logical check performed during rule loading detected an invalid DO EXIT statement.
The rule is not loaded.

Corrective Action: Correct the rule definition and reload the table.

LDT522S ERROR IN RULE DATA: EXIT WHILE NOT IN WHILE BLOCK

Explanation: A logical check performed during rule loading detected a DO EXIT WHILE statement that was not in a DO WHILE block. A DO EXIT WHILE statement is only valid if it is located within a DO WHILE block.
The rule is not loaded.

Corrective Action: Correct the rule definition and reload the table.

LDT523S ERROR IN RULE DATA: INVALID IF-THEN-ELSE NESTING

Explanation: This message is issued during the ordering of the rule. The rule definition contains an invalid IF-ELSE-ENDIF nesting.
The rule is not ordered.

Corrective Action: Correct the rule definition and order it again.

LDT524S func RULE TABLE(S) ENDED WITH ERRORS

Explanation: The indicated function of the CTOLDT program ended with errors. This program loads rule tables when a new Control-O or CMEM monitor is activated, and performs order/force of rule tables.
The IOA Log should contain prior messages concerning the errors.
Depending on when it fails, either the Control-O or CMEM monitor shuts down, or the table is not ordered.

Corrective Action: No action is required.

LDT525I func RULE TABLE(S) ENDED

Explanation: This information message is a normal message issued when the indicated function of the CTOLDT program has terminated successfully. This program loads rule tables when a new Control-O or CMEM monitor is activated, or performs order/force of rule tables.

Corrective Action: No action is required.
LDT526S **** ERROR IN RULE CARDS. CHECK THE FOLLOWING CARDS  

**Explanation:** The rule definition has been corrupted and the data do not conform to a valid Control-O or CMEM format.

This message is followed by one or more LDT527S messages describing all statements belonging to the damaged rule order. An asterisk (*) appears in the line under the erroneous data.

The rule is not ordered.

**Corrective Action:** Using the Online Viewing Facility, or by editing the member, restore the table to its original state, and reorder the rule table.

LDT527S CARD = stmt 

**Explanation:** The rule definition has been corrupted.

This message follows message LDT526, and displays each statement in the damaged rule in the scheduling table. An asterisk * appears in the line under a damaged statement.

**Corrective Action:** Restore the table to its original state.

LDT528I RULE ruleName rule_type TABLE tableName LIBRARY lib ODATE  

**Explanation:** This information message is a normal message when a rule order is successfully loaded by the Control-O or CMEM monitor.

The rule is now in Control-O or CMEM memory.

**Corrective Action:** No action is required.

LDT529I TABLE tableName LIBRARY lib DELETED 

**Explanation:** This information message indicates that rule table tableName has been deleted from the Control-O or CMEM monitor as a result of an F CONTROLO,D=... operator command.

**Corrective Action:** No action is required.

LDT530E DELETE OF TABLE tableName LIBRARY lib FAILED, TABLE NOT FOUND 

**Explanation:** A request to delete a rule table from the Control-O or CMEM monitor has failed. Table tableName has not been found under Control-O or CMEM.

The table may be specified incorrectly or it may never have been ordered.

The table is not deleted.

**Corrective Action:** If the table specification incorrect, check and correct the table specification and issue the delete request again. If the table was never ordered, there is no reason to attempt to delete it.
LDT531I NO RULE WAS LOADED - TABLE tableName LIBRARY lib

Explanation: This information message indicates that the Control-O monitor did not load new rules from table tableName in library lib.

While ordering or forcing a rule library, Control-O found no rules that matched the Basic Scheduling parameters.

No rule is loaded.

Corrective Action: No action is required.

LDT532E MASK mask DOES NOT MATCH IN DSN= dsn

Explanation: The specified mask does not match any members in the rule library.

During rule ordering, the Control-O monitor found no members matching the specified mask.

No rule is loaded.

Corrective Action: Check and correct the parameters specified in the ORDER/FORCE command or in the rule list.

LDT536S SEVERE ERROR IN RULE DATA CARDS

Explanation: Severe error was found in the rule definition data statements. It is followed with additional messages regarding the error.

The rule table is not ordered.

Corrective Action: Check for additional messages concerning the errors in the systems and IOA Log and Control-O or CTMCMEM sysprint; correct the error and reorder the table.

LDT537S INSUFFICIENT STORAGE IN (EXTENDED) CSA. CANNOT LOAD TABLE

Explanation: Insufficient storage in the Extended Common Service Area (CSA) to load the rule table.

If any rules have been previously loaded, the Control-O or CMEM monitor proceeds without loading the table. If no rules were previously loaded, the Control-O or CMEM monitor shuts down.

Corrective Action: Check why there is insufficient CSA. You may need to contact your systems programmer. After correcting the problem, reload the table, or restart Control-O or CMEM, as necessary.

LDT539W ORDER CANCELLED BY USER EXIT: RULE ruleName TABLE tableName LIBRARY lib

Explanation: The specified rule order failed as a result of a user exit check.

The IOA Log should contain prior messages concerning the reason for failure.

The rule order is not ordered/loaded by the Control-O or CMEM monitor.

Corrective Action: Check the IOA Log for further information.
LDT545E DO-MISSION NOT SUPPORTED WITHOUT CONTROL-D INSTALLED

**Explanation:** An attempt was made to order a rule specifying DO MISSION, but Control-D is not installed. DO MISSION is supported only if Control-D is installed.

The rule is not ordered.

**Corrective Action:** Either remove this statement from the rule or install Control-D.

LDT548E SEVERE ERROR IN CALENDAR calName OR YEAR NOT FOUND IN CALENDAR

**Explanation:** Severe error in the IOA calendar calName, or the year was not found in the calendar. Either the year is not defined in the calendar or the calendar has been incorrectly modified.

The rule is not ordered.

**Corrective Action:** Check the contents of the rule order and the calendar. Correct and reorder the rule.

LDT549E DO FORCEJOB/RESOURCE NOT SUPPORTED WITHOUT CONTROL-M INSTALLED

**Explanation:** An attempt was made to order a rule specifying DO FORCEJOB or DO RESOURCE, but Control-M is not installed.

These statements are not supported if Control-M is not installed.

The rule is not ordered.

**Corrective Action:** Remove these statements from the rule or install Control-M.

LDT54AE INVALID "ON" STATEMENT FOR CMEM RULE

**Explanation:** An attempt was made to load a CMEM table containing a rule with an invalid “ON” statement.

The table is loaded without the erroneous rule.

**Corrective Action:** Delete the rule from the table, or load the table as a Control-O table (if Control-O is installed).

LDT54BE INVALID "DO" STATEMENT FOR CMEM RULE

**Explanation:** An attempt was made to load a CMEM table containing a rule with an invalid “DO” statement.

The table is loaded without the erroneous rule.

**Corrective Action:** If the rule is required, load the table as a Control-O table. If the rule is not required, delete it from the table.
LDT54CW LOAD REQUEST IGNORED. TABLE tableName LIBRARY lib ALREADY LOADED

Explanation: During monitor startup or REBUILD/NEWCONLIST command, Control-O tried to load a certain table more than once.

This problem can be caused by one of the following:

- Duplicate statements appear in the same list, for example, DACTMLST, DARULLST.
- The same statement appears in different lists, for example, DACTMLST, DARULLST.
- Different generic statements appear in the same or different lists, producing one or more duplicate statements, for example, CTO* and C*.

Only the first appearance of the table is loaded.

Corrective Action: Check the lists for duplicate statements and correct if necessary.

LDT54DE RULE TYPE IS INCORRECT. TABLE tableName LIBRARY lib

Explanation: The user attempted to order or force a CMEM rule table from Control-O screen OR, or a Control-O rule table from CMEM screen C.

Control-O rules can only be ordered or forced from Control-O screen OR. CMEM rules can only be ordered or forced from CMEM screen C.

The table specified in the message is not loaded.

Corrective Action: If you issued the command from screen OR, issue it from screen C, or vice versa.

LDT54EW RULE WAS NOT LOADED: SCHEDULING DATE WAS NOT SATISFIED

Explanation: Control-O did not load a rule because the scheduling date for that rule does not match the current date.

When Control-O loads a rule during startup or as a result of an order, it does not load rules whose scheduling date does not match the current one.

The Control-O monitor sends this message to SYSPRINT and to the IOALOG, and does not load the rule.

Corrective Action: To load the rule, make the scheduling date match the current date and reload the table containing the rule.

LDT54FW RULE WAS NOT LOADED: {SYSTEM | SMF ID} { rul_sysname|rul_smfid} DOES NOT MATCH { cur_sysname|cur_smfid}

Explanation: Control-O did not load a rule because the environment specified for that rule does not match the current environment.

When Control-O loads a table of rules during startup or as a result of an order, it does not load rules whose specified environment does not match the current one.

The Control-O monitor sends this message to SYSPRINT and to the IOALOG, and does not load the rule.

Corrective Action: To load a rule, make the environment specified for it match the current one and reload the table containing the rule.
LGC messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages LGC900 through LGC9xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

LGC988S DATE SHOULD NOT BE GREATER THAN YESTERDAY

Explanation: Invalid date specified for archival or backup (the CTMLGC utility).
The archive date should not be greater than yesterday's date.
The utility stops execution with a condition code of 08.
Corrective Action: Correct the date field.

LGC989S OPEN OF DDNAME "DALOGHIS" FAILED. LOG ARCHIVAL NOT PERFORMED

Explanation: Open of log archival data set failed (the CTMLGC utility).
Possible causes are:
- the DALOGHIS DD statement missing.
- The DALOGHIS DD statement describes a file which is not in the format of the IOA Log.
The utility stops execution with a condition code of 08.
Corrective Action: Correct JCL for the job. You should run the CTMFRLOG utility to allocate and format an archival file in exactly the same format as the IOA Log.

LGC990I action OF IOA LOG STARTED

Explanation: This information message is a normal message which is issued when starting to backup the IOA Log (the CTMLGC utility).
Corrective Action: No action is required.

LGC991I action OF IOA LOG ENDED

Explanation: This information message is a normal message which is issued when the backup of the IOA Log ends (the CTMLGC utility).
Corrective Action: No action is required.
LGC992W OPEN OF DDNAME "DALOGBKP" FAILED, BACKUP OF IOA LOG NOT TAKEN

**Explanation:** Open of data set described by the DALOGBKP DD statement failed.

Possible causes are:
- The DALOGBKP DD statement missing.
- The data set described by the DALOGBKP DD statement cannot be opened for sequential write.

Backup of IOA Log not taken. Processing continues.

**Corrective Action:** If you want to backup the entire Log file, correct the JCL for the job.

LGC993S OPEN OF DDNAME "DALGCIN" FAILED. LOG ARCHIVAL NOT PERFORMED

**Explanation:** Open of the data set described by the DALGCIN DD statement.

Possible causes are:
- The DALGCIN DD statement is missing.
- Data set described by the DALGCIN DD statement cannot be opened for sequential read.

Log archival is not performed.

**Corrective Action:** Correct the JCL for the job.

LGC994S FILE CONNECTED TO DDNAME "DALGCIN" IS EMPTY

**Explanation:** The data set described by the DALGCIN DD statement is empty.

Log archival is not performed.

**Corrective Action:** Correct the JCL for the job.

LGC995S RECORD LENGTH OF DDNAME "DALGCIN" IS NOT 80

**Explanation:** Record length of the data set described by the DALGCIN DD statement must be 80 bytes.

Log archival is not performed.

**Corrective Action:** Check the contents of the data set described by the DALGCIN DD statement.

LGC996S "UNTIL DATE" OF LOG ARCHIVAL IS NOT A VALID DATE

**Explanation:** A parameter for the UNTIL date is invalid.

**Corrective Action:** Correct the UNTIL date parameter of the Log archival utility.

LGC997S NUMBER OF DAYS TO KEEP IN LOG FILE IS NOT NUMERIC

**Explanation:** Invalid number of days to keep in the Log file.

The number of days to keep in the Log file must be numeric.

**Corrective Action:** Correct the number of days.
INCONTROL for z/OS Messages Manual

LGC998S ARCHIVAL FILE ALLOCATED TO "DALOGHIS" IS FULL

Explanation: The archival file allocated to the DALOGHIS DD statement is full. Archival will not be executed.

Corrective Action: No action is required.

LGC999S NOTHING TO DO. NEITHER BACKUP NOR ARCHIVAL IS NEEDED

Explanation: Neither file DALOGHIS nor file DALOGBKP has been opened by the CTMLGC utility. The utility terminates with a return code of 12.

Corrective Action: No action is necessary.

LGP messages

This group includes messages for the IOA (infrastructure) product.

Messages LGP900 through LGP9xx

This group includes messages for the IOA (infrastructure) product.

LGP9A0I action OF IOA LOG STARTED

Explanation: This information message is a normal start message of the IOACPLOG utility. IOACPLOG is used to copy the contents of the IOA Log to another IOA Log file or to a sequential file. The actions COPYTOSEQ and COPYTOLOG are currently supported.

Corrective Action: No action is required.

LGP9A1I action OF IOA LOG ENDED

Explanation: This information message is a normal termination message of the IOACPLOG utility. IOACPLOG is used to copy the contents of the IOA Log to another IOA Log file or to a sequential file. The actions COPYTOSEQ and COPYTOLOG are currently supported.

Corrective Action: No action is required.

LGP9A2S action OF IOA LOG ENDED WITH ERRORS.

Explanation: The IOACPLOG utility failed to copy the IOA Log file. IOACPLOG is used to copy the contents of the IOA Log to another IOA Log file or to a sequential file. The actions COPYTOSEQ and COPYTOLOG are currently supported. The IOACPLOG utility ended with a condition code of 08 or 12.

Corrective Action: Check the preceding error messages in the job log or in the SYSPRINT sysout, correct the problem, and rerun the job.
LNR messages

This group includes messages for the IOA (infrastructure) product.

Messages LNR0 through LNR0xx

This group includes messages for the IOA (infrastructure) product.

LNR051S OPEN OF IOA LOG FILE FAILED

Explanation: Open of IOA Log file failed. This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions list. Possible causes are:

- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version of IOA or of a different IOA monitor.

The IOALDNRS utility is not performed. The IOA Manual Conditions file is not loaded.

Corrective Action: Correct the JCL for the job.

LNR052S OPEN OF IOA MANUAL SYNC FILE FAILED

Explanation: Open of the IOA Manual Conditions Synchronization file failed. This error message is issued by the IOALDNRS utility, which loads or creates the Manual Conditions list. Possible causes are:

- The DANSINC DD statement is missing.
- The file allocated to the DANSINC DD statement is not the IOA Manual Conditions Synchronization file.
- The file allocated to the DANSINC DD statement is the IOA Manual Conditions Synchronization file, but it is of a different version or of a different IOA monitor.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

Corrective Action: Correct the JCL for the job.

LNR054I LOADING OF IOA MANUAL CONDITIONS FILE STARTED

Explanation: This information message indicates that loading of the IOA Manual Conditions file has started. The IOALDNRS utility will start collecting the Manual Conditions from the job orders on the Active Jobs file. These are all the prerequisite conditions which are suspected of requiring manual confirmation.

Corrective Action: No action is required.

LNR055I LOADING OF IOA MANUAL CONDITIONS FILE ENDED

Explanation: This information message indicates that the IOA Manual Conditions file has finished loading. The Manual Conditions file currently contains all the missing conditions for the job orders on the Active Jobs file.
Corrective Action: No action is required.

LNR056S IOA MANUAL CONDITIONS FILE WAS NOT LOADED

Explanation: The IOA Manual Conditions file was not loaded (the IOALDNRS utility). The utility output should contain a prior message which describes the cause of the problem.

Corrective Action: Correct the problem and rerun the utility.

LNR057S OPEN OF CONTROL-M ACTIVE JOBS FILE FAILED - DDNAME "DACKPT"

Explanation: Open of Control-M Active Jobs file failed (the DACKPT DD statement). The error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List, and is due to one of the following:

- The DACKPT DD statement is missing.
- The data set described by the DACKPT DD statement is not the Control-M Active Jobs file. The data set described by the DACKPT DD statement is the Control-M Active Jobs file, but of another Control-M monitor, or of a different version of Control-M.

The IOALDNRS utility will terminate with a condition code of 08. The IOA Manual Conditions file is not loaded.

Corrective Action: Correct the JCL for the job.

LNR058E FILE ALLOCATED TO DDNAME "DACKPT" IS NOT CONTROL-M ACTIVE JOBS FILE

Explanation: The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file. This error message is issued by the IOALDNRS utility which is used to load/create the Manual Conditions List and may be due to one of the following:

- The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.
- The file allocated to the DACKPT DD statement is the Control-M Active Jobs file, but it is of a different version or of a different Control-M monitor.

The IOALDNRS utility will terminate with a condition code of 08. The IOA Manual Conditions file will not be loaded.

Corrective Action: Correct the JCL for the job.

LNR059E ACTIVE JOBS FILE IS BEING FORMATTED. PLEASE TRY AGAIN LATER

Explanation: The Active Jobs file is currently being formatted, which indicates that the New Day procedure is running. This error message is issued by the IOALDNRS utility (used to load or create the Manual Conditions List), which terminates with a condition code of 08. The IOA Manual Conditions file is not be loaded.

Corrective Action: Try again later. If the Control-D and Control-M New Day procedures start at the same time, you need to ensure that both procedures finish before running the IOALDNRS utility or the CTDLDNRS step. Use one of the following options:
Set Control-D New Day time (DAYTIMED) long enough after Control-M New Day time (DAYTIME) to ensure that Control-M New Day is ended.

Remove the CTDLDNRS step from the CTDNDAY procedure. Run the IOALDNRS utility after both Control-M and Control-D New Day procedures have finished.

LNR060W ACTIVE JOBS FILE IS EMPTY

**Explanation:** The IOA Manual Conditions file is not built. The Active Jobs file is empty. This error message is issued by the IOALDNRS utility which loads or creates the Manual Conditions List. No manual conditions are found because there are no job orders. The IOA Manual Conditions file will not be loaded.

**Corrective Action:** No action is required.

LNR061E FILE ALLOCATED TO DDNAME "DASINC" IS NOT THE IOA SYNCHRONIZATION FILE

**Explanation:** The data set described by the DASINC DD statement is not the IOA Conditions Synchronization file. This error message is issued by the IOALDNRS utility, which loads or creates the Manual Conditions List. Possible causes are:

- The file allocated to the DASINC DD statement is not the IOA Conditions Synchronization file.
- The file allocated to the DASINC DD statement is the IOA Conditions Synchronization file, but it is of a different version or of a different IOA monitor.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.

LNR062E FILE ALLOCATED TO DDNAME "DANSINC" IS NOT THE IOA MANUAL CONDS SYNC FILE

**Explanation:** The data set described by the DANSINC DD statement is not the IOA Manual Conditions Synchronization file. This error message is issued by the IOALDNRS utility, which loads or creates the Manual Conditions List. Possible causes are:

- The file allocated to the DANSINC DD statement is not the IOA Manual Conditions Synchronization file.
- The file allocated to the DANSINC DD statement is the IOA Manual Conditions Synchronization file, but it is of a different version or of a different IOA monitor.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.

LNR063E NO MORE PLACE IN MANUAL CONDS FILE FOR COND cond ODATE odate

**Explanation:** The Manual Conditions file is full. This error message is issued by the IOALDNRS utility which loads or creates the Manual Conditions List. No more conditions are added to the Manual Conditions List.
Corrective Action: The IOALDNRS utility reads the complete NRS file and processes it in memory. When processing completes successfully, the records are written to the file itself. Thus, message LNR063E indicates that no more space was available in the record in memory. Even though the IOAVERFY utility may show that there is still sufficient room in the file, this is because IOAVERFY only displays the initial status of the file. Increasing the size of the NRS file resolves the problem. See the NRSREC# parameter in the IOAPARM member of the IOA PARM library for details.

LNR064E INVALID PARAMETER:- parm
Explanation: Invalid parameter for the IOALDNRS utility. This error message is issued by the IOALDNRS utility, which is used to load or create the Manual Conditions List. For more details, please refer to the IOALDNRS utility in the INCONTROL for z/OS Utilities Guide. The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.
Corrective Action: Correct the parameter syntax (the IOALDNRS utility).

LNR065E MISSING PARAMETER AFTER:- parm
Explanation: Missing subparameter after parm. This error message is issued by the IOALDNRS utility which is used to load or create the Manual Conditions List. For more details, please refer to the IOALDNRS utility in the INCONTROL for z/OS Utilities Guide. The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.
Corrective Action: Correct the parameter syntax (the IOALDNRS utility).

LNR066E REDUNDANT PARAMETER: - parm
Explanation: Redundant parameter for the IOALDNRS utility. This error message is issued by the IOALDNRS utility which loads or creates the Manual Conditions List. For more details, please refer to the IOALDNRS utility in the INCONTROL for z/OS Utilities Guide. The IOALDNRS utility will terminate with a condition code of 08. The IOA Manual Conditions file is not loaded.
Corrective Action: Correct the parameter syntax (the IOALDNRS utility).

LNR067W CONTROLM YES PARAMETER WILL BE IGNORED.
Explanation: The CONTROLM YES parameter has been specified, but the indication in the IOAPARM Installation Parameters is that Control-M is not installed.
Corrective Action: No action is required.

LNR069E OPEN OF ACTIVE MISSIONS FILE FAILED - DDNAME "DAAMF"
Explanation: Open of Control-D Active Missions file failed (the DAAMF DD statement). This error message is issued by the IOALDNRS utility which is used to load/create the Manual Conditions List and is due to one of the following:
The DAAMF DD statement is missing.

- Data set described by the DAAMF DD statement is not the Control-D Active Missions file.
- Data set described by the DAAMF DD statement is the Control-D Active Missions file, but of another Control-D monitor, or of a different version of Control-D.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.

LNR070E FILE ALLOCATED TO DDNAME "DAAMF" IS NOT THE EXPECTED ACTIVE MISSIONS FILE

**Explanation:** The file allocated to the DAAMF DD statement is not the Control-D Active Missions file. This error message is issued by the IOALDNRS utility which is used to load or create the Manual Conditions List and may be due to one of the following:

- The file allocated to the DAAMF DD statement is not the Control-D Active Missions file.
- The file allocated to the DAAMF DD statement is the Control-D Active Missions file, but of another Control-D monitor, or of a different version of Control-D.

The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file is not loaded.

**Corrective Action:** Correct the JCL for the job.

LNR071E ACTIVE MISSIONS FILE IS FORMATTING NOW

**Explanation:** The Control-M Active Missions file is currently formatting, meaning that the Control-D New Day procedure is running. This error message is issued by the IOALDNRS utility which is used to load or create the Manual Conditions List. The IOALDNRS utility terminates with a condition code of 08. The IOA Manual Conditions file will not be loaded.

**Corrective Action:** Try again later.

LNR072E ACTIVE MISSIONS FILE IS DAMAGED - NOTIFY THE IOA ADMINISTRATOR

**Explanation:** The Active Missions file is probably damaged. The program stops executing with a condition code of 08.

**Corrective Action:** Check whether the file allocated to the DAAMF DD statement is the Control-D Active Missions file. If it is, it has been damaged - consult your IOA administrator or BMC Software Customer Support.

LNR073S OPEN DDNAME "SORTIN" FAILED

**Explanation:** Open of work file failed (the SORTIN DD statement) -- the IOALDNRS utility. This is due to one of the following:
The SORTIN DD statement is missing.
Data set described by the SORTIN DD statement cannot be opened for sequential read.
The program stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL for the job.

LNR074S OPEN OF DDNAME "SORTOUT" FAILED

**Explanation:** Open of work file failed (the SORTOUT DD statement) - the IOALDNRS utility. This is due to one of the following:
- The SORTOUT DD statement is missing.
- The data set described by the SORTOUT DD statement cannot be opened for sequential read.
The program stops executing with a condition code of 08.

**Corrective Action:** Correct the JCL for the job.

**LOG messages**

This group includes messages for the Control-O product.

**Messages LOG0 through LOG0xx**

This group includes messages for the Control-O product.

LOG001I UTILITY IOALOGI STARTED

**Explanation:** This information message indicates that the IOALOGI utility has started creating an IOA Log Index file based on an existing IOA Log file.

**Corrective Action:** No action is required.

LOG002I UTILITY ENDED: num KEYS { BUILT | DELETED }

**Explanation:** This information message indicates the normal termination of the IOALOGI utility. In this message, num is the count of built or deleted keys.

**Corrective Action:** No action is required.

LOG003I INDEX FILE IS VALID

**Explanation:** This information message indicates that the current IOA Log Index file corresponds to information contained in the IOA Log file.

**Corrective Action:** No action is required.
LOG004E ERROR  errorNumber  AT LINE  lineNumber.  CURRENT STATEMENT:  stmt

Explanation:  The IOALOGI utility failed while reading the indicated input statement from the data set referenced by the SYSIN DD statement.

The variables in this message are:

- errorNumber - the error number
- lineNumber - the line number in the data set referenced by the SYSIN statement
- stmt - the statement of the incorrect line

The utility stops executing.

Corrective Action: Notify your INCONTROL administrator.

LOG005S INTERNAL ERROR WHILE PROCESSING DDNAME  ddName

Explanation: The IOALOGI utility failed while processing of the data set referenced by the ddName DD statement.

The utility stops executing.

Corrective Action: Notify your INCONTROL administrator.

LOG007S INSUFFICIENT STORAGE TO RUN UTILITY

Explanation: The IOALOGI utility requires more storage to rebuild an Index file.

The utility stops executing.

Corrective Action: Increase the REGION size, and rerun the job.

LOG008E NO INPUT PARAMETERS. PROGRAM STOPPED

Explanation: The input file for the IOALOGI utility is empty.

The utility stops executing.

Corrective Action: Fill in the input statements, and rerun the job.

LOG009S ERROR OPENING SYSPRINT

Explanation: An error was detected during an attempt to open the file referenced by the SYSPRINT DD statement.

The file referenced by the SYSPRINT DD statement is not opened.

Corrective Action: Check the system job log, and correct the problem accordingly. Rerun the job.

LOG00AS INDEX FILE IS FULL. UNABLE TO ADD A KEY.

Explanation: The IOALOGI utility was not able to add an index element to the IOA Log Index file because it was full.

The utility stops executing.
**Corrective Action:** Allocate a new index file with more space than the original, and rerun the IOALOGI utility.

**LOG00BI DELETE ENDED: num KEYS DELETED**

**Explanation:** This information message indicates that during rebuilding, the IOA Log Index file deleted num index elements.

**Corrective Action:** No action is required.

Messages LOG900 through LOG9xx

This group includes messages for the Control-O product.

**LOG951S RELEASE OF LOG FILE NOT SUPPORTED BY THIS RELEASE OF IOA.**

**Explanation:** Release of Log file is not supported by this release of IOA. This could be due to one of the following reasons:
- The release of IOA has been changed, and you are working on a file of a different release.
- Your Log file has been corrupted.

Access to the IOA Log is prevented. An “OPEN OF LOG FILE FAILED” message will appear.

**Corrective Action:** Correct the allocation of your Log file (the DALOG DD statement).

**LOG952S OPEN OF IOA LOG FILE FAILED**

**Explanation:** Open of IOA Log file failed (the DALOG DD statement). Possible causes are:
- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA installation.

Termination of the requested function.

**Corrective Action:** Look on the computer log or job log SYSOUT for additional messages that clarify the reason for the failure. Then, correct the JCL for the job, or the allocations of the CLIST.

**LOG954S IOA LOG FILE - WRITE ERROR**

**Explanation:** I/O error while writing to an IOA Log file. Possible causes are:
- The file allocated to the DALOG DD statement is not the IOA Log file.
- Real I/O error on the Log file.

**Corrective Action:** Check the contents of the computer log for additional messages which may clarify the situation, or logon again.
LOG957S FILE ALLOCATED TO DDNAME "ddName" IS NOT YOUR IOA LOG

Explanation: The data set described by the specified DD statement is not the IOA Log file of this IOA installation. It is an IOA Log file, but it is of a different QNAME. It belongs to another IOA installation.

Corrective Action: Correct the JCL for the job or CLIST.

LOG958S FILE ALLOCATED TO DDNAME "ddname" IS NOT AN IOA LOG

Explanation: The data set described by the specified DD statement is not an IOA Log file.

Corrective Action: Correct the JCL for the job or CLIST.

LOG959S IOA LOG FILE IS FORMATTED. IOABLG PROBABLY ABENDED

Explanation: The IOABLG program, which formats the IOA Log file, probably abended.

Corrective Action: Check the IOA Log format job output to see why the IOABLG program abended. Delete the file and recreate it using the INCONTROL Installation and Customization Engine (ICE).

LOG95AE UNABLE TO SYNCRONIZE THE LOG FILE

Explanation: Internal synchronization of the Log file failed, probably because another process in the same address space has been holding the Log file for a long time. A record might be missing in the IOA Log file.

The Log operation fails.

Corrective Action: Take a dump of the failing address space. When the dump completes, stop and restart it to release the internal lock. Have your system programmer call your IOA representative for assistance.

LOG95BS INVALID FUNCTION

Explanation: An invalid function was passed to the IOALOGXC utility.

Valid functions are:

- ACT
- DACT

The utility stops executing with a return code of 16.

Corrective Action: Correct the parameter syntax and reactivate.

LOG9A1E AT LEAST ONE TYPE MUST BE "Y"

Explanation: At least one type of record must be included in the Automation Log display, but show criteria have been used to eliminate all records from the display.

Y (Yes) must be specified for at least one record type (MSG or CMD). The user specified N (No) for both of these fields in the Show Option Window.

The Show Option Window remains displayed.

Corrective Action: Specify Y for MSG or CMD or both.
LOG9A2E AT LEAST ONE WORK TYPE MUST BE "Y"

Explanation: At least one JTYPE value must be included in the Automation Log display, but show criteria have been used to eliminate all records from the display.

Y (Yes) must be specified for at least one JTYPE (JOB, STC, or TSO). The user specified N (No) for all of these fields in the Show Option Window.

The Show Option Window remains displayed.

Corrective Action: Specify Y for at least one option (JOB, STC, or TSO).

LOG9A3E AT LEAST ONE SUPPRESS FLAG MUST BE "Y"

Explanation: At least one type of record must be included in the Automation Log display, but show criteria have been used to eliminate all records from the display.

Y (Yes) must be specified for at least one record type (SUPPRESSED or NOT SUPPRESSED). The user specified N (No) for both of these fields in the Show Option Window.

The Show Option Window remains displayed.

Corrective Action: Specify Y for SUPPRESSED and/or NOT SUPPRESSED.

LOG9A4E AT LEAST ONE HANDLE FLAG MUST BE "Y"

Explanation: At least one type of record must be included in the Automation Log display, but show criteria have been used to eliminate all records from the display.

Y (Yes) must be specified for at least one record type (HANDLED or NOT HANDLED). The user specified N (No) for both of these fields in the Show Option Window.

The Show Option Window remains displayed.

Corrective Action: Specify Y for HANDLED and/or NOT HANDLED.

LOG9A5E AT LEAST ONE ENVIRONMENT MUST BE "Y"

Explanation: Records for at least one environment must be included in the Automation Log display, but show criteria have been used to eliminate all records from the display.

Y (Yes) must be specified for at least one environment field (MVS, CICS, or IMS). The user specified N (No) for all of these fields in the Show Option Window.

The Show Option Window remains displayed.

Corrective Action: Specify Y for at least one of the environment fields (MVS, CICS, or IMS).

LOG9A6E AT LEAST ONE JES3 FLAG MUST BE "Y"

Explanation: At least one type of record must be included in the Automation Log display, but show criteria have been used to eliminate all records from the display.

If N (No) is specified for both these fields and N is specified for the CMD field, all records are eliminated from the Automation Log display. To avoid this problem the user must specify Y (Yes) for at least one field (REISSUED or NOT REISSUED). The above message is issued when the user specifies N for both fields.

The Show Option Window remains displayed.
Corrective Action: Specify Y for REISSUED and/or NOT REISSUED.

LOG9A7E AT LEAST ONE RECORD TYPE MUST BE "Y"

Explanation: At least one type of record must be included in the Automation Log display, but show criteria have been used to eliminate all records from the display.

Y (Yes) must be specified for at least one record type (LOG, SHOUT, or TRACE). The user specified N (No) for all of these fields in the Show Option Window.

The Show Option Window remains displayed.

Corrective Action: Specify Y in at least one field (LOG, SHOUT, or TRACE).

LOG9A8E LEFT/RIGHT IS NOT ALLOWED WHEN IN WRAP MODE

Explanation: The user attempted to use command LEFT or command RIGHT while in wrap mode.

In wrap mode, information that normally continues beyond the screen display appears within the screen display. The LEFT and RIGHT commands are unnecessary and are therefore disabled until return to default mode.

The LEFT/RIGHT command is ignored.

Corrective Action: If you wish to return to default mode and enable the LEFT/RIGHT commands, reenter command WRAP.

LOG9A9E INVALID LOCATE ARGUMENT

Explanation: An invalid time or an invalid time prefix was specified for command LOCATE.

The format for the time specified for command LOCATE is hhmmss. When a time value (a time prefix) is specified for command LOCATE, it is interpreted in the following manner:

- If there is an even number of digits in the specified value, the first two digits are interpreted as the hour, the second two (if they exist) are interpreted as the minutes, and the last two (if they exist) are interpreted as the seconds.
- If there is an odd number of digits in the specified value, the first digit only is interpreted as the hour, the next two digits (if they exist) as the minutes, and the last two (if they exist) are interpreted as the seconds.

Command LOCATE is ignored.

Corrective Action: Specify a valid time or time prefix for command LOCATE.

LOG9B0E INVALID LIMIT ARGUMENT

Explanation: An invalid parameter was specified for command LIMIT.

Command LIMIT is ignored.

Corrective Action: Specify valid parameters for command LIMIT.

LOG9B1W DRIVER RETURNED RC=8 - NO DATA TO DISPLAY

Explanation: The IOATLOG program received an unexpected return code.
This message indicates the presence of an internal error.
The Automation Log display is terminated.
**Corrective Action:** Contact BMC Software Customer Support.

**LOG9B3E UNABLE TO OPEN THIS DATASET**

**Explanation:** The IOATLOG program is unable to open the Automation Log file. The IOATLOG program detected an error while executing a SWAP command. The SWAP window remains displayed.

**Corrective Action:** Check and correct the name of the Automation Log file specified in the SWAP window.

**LOG9B4E INVALID TRACE ARGUMENT**

**Explanation:** An invalid parameter was specified for command TRACE. Command TRACE is ignored.

**Corrective Action:** Specify valid parameters for command TRACE.

**LOG9WRI LOG WRAP AROUND number HAS BEEN DETECTED J=jobName (jobID)**

**Explanation:** This information message indicates that the IOA Log file is full, a wraparound has been performed, and new records are being written starting at the top line of the Log.
The variables of this message are:

- `number` - number of wraparounds.
- `jobName` - name of the job or user ID that issues a message the moment the Log file is full.
- `jobID` - ID of the job that issues a message the moment the LOG file is full.

**Corrective Action:** No action is required.

**MAN messages**

This group includes messages for the IOA (infrastructure) product.

**Messages MAN800 through MAN8xx**

This group includes messages for the IOA (infrastructure) product.

**MAN850S modName BLDL FAILED FOR MODULE**

**Explanation:** BLDL for the `modName` module failed.

This is due to one of the following:
The module is not in one of the load module libraries used by the IOA Online Facility (Linklist, STEPLIB or invoked CALL library).

There is insufficient memory to load the program.

The requested module is not activated. Control is returned to the calling program. The IOA Online Facilities may abend on initialization.

**Corrective Action:** Verify whether the module appears in IOA Load library or any other concatenated load module library.

**MAN851S ONLY ONE PROGRAM CAN BE SELECTED**

**Explanation:** More than one program has been marked for selection.

Only one program may be selected at a time.

**Corrective Action:** Select one program only.

**MAN852S NO PROGRAM SELECTION**

**Explanation:** No program selection specified.

**Corrective Action:** Mark S near the program name for selection of program.

**MAN853S pgm PROGRAM ACTIVE, CANNOT BE CANCELLED**

**Explanation:** This entry is in use by a program which is currently active.

Enter the active program, and terminate its execution normally, so that the entry can be used for another program.

**Corrective Action:** Exit the program using the END command or use a new entry.

**MAN855S INVALID PARAMETER SUPPLIED TO MODULE modName - parm**

**Explanation:** An invalid input parameter (parm), was supplied to the main IOA online module (modName).

The modName module expects a series of parameters to be input, which describe the environment in which it is to be activated.

The expected parameters are:

```
APPLTYPE=type,APPLID=id,
```

where

- **type** is S (for TSO), R (for KSL), I (for ISPF) or X (for OMEGAMON)
- **id** is the user application ID

However, these parameters were missing or invalid.

The IOA online environment is not built.

**Corrective Action:** Check for errors in the CLIST which activates the IOA online interface.
MAN856S DDNAME ddName NOT ALLOCATED

Explanation: Highlighted, unrollable message.
The DD name specified in the error message was not allocated before the user entered IOA.
The IOA Online facility terminates.
Corrective Action: Allocate the specified DD name and reenter IOA.

MAN857S PRODUCT productName NOT RECOGNIZED

Explanation: Highlighted, unrollable message.
A user tried to enter IOA using a user-defined transaction member which contained a definition of a product not recognized by IOA.
The IOA Online facility stops.
Corrective Action: Correct the product definition in the transaction member and reenter IOA.

MAN858S MEMBER NAME - memName IN TRANID transMem NOT FOUND IN PARM LIBRARY

Explanation: Highlighted, unrollable message.
A user tried to enter IOA using a user-defined transaction.
In this message, transMem is a member that pointed to a PGM member name that did not exist in the parameter library referenced by the DD name DAONLPRM.
The Online facility terminates.
Corrective Action: Check that the PGM member is correctly specified in the transaction member. If it is correctly specified in this member, add it to the parameter library. Reenter IOA.

MAN859S TRANID MEMBER NOT FOUND - transMem

Explanation: The user tried to enter IOA using a user-defined transaction.
In this message, transMem is a member that does not exist in the parameter library referenced by the DAONLPRM DD name.
The IOA Online facility stops.
Corrective Action: Add the transaction member identified in the message to the parameter library and reenter IOA.

MAN85AS INVALID KEYWORD FOUND IN - transMem

Explanation: The user tried to enter IOA using a user-defined transaction.
In this message, transMem is the member that contained an invalid keyword.
The Online facility stops.
Corrective Action: Check the keywords in the transaction member and correct them accordingly. See the section on Transaction Members in the INCONTROL for z/OS Administrator Guide. Reenter the IOA Online facility.
**MAN85BS PLEASE CHECK THE TRAN ID MEMBER - transMem**

**Explanation:** An internal error occurred when a user tried to enter IOA using a user-defined transaction. The internal error occurred when the IOA Online facility tried to initiate the IOA session using the `transMem` transaction member.

The IOA Online facility stops.

**Corrective Action:** Supply BMC Software Customer Support with a printout of the `transMem` member.

**MAN85CS ERROR OCCURRED DURING ALLOCATION PROCESS. PLEASE CHECK THE ALC MEMBERS**

**Explanation:** IOA online system failed to allocate a file.

When the IOA Online facility starts up, it allocates all the files needed for the current session. At least one of these files could not be allocated.

Preceding messages detail the files that could not be allocated.

The IOA Online system stops.

**Corrective Action:** Correct the ALCxxx members according to information from the preceding messages and reenter IOA.

**MAN85DS ddName DDNAME IS ALLOCATED. PLEASE FREE IT AND TRY AGAIN**

**Explanation:** The file whose DD name is specified in the error message was already allocated to the IOA Online environment when the IOA Online facility started up.

When the IOA Online facility starts up, certain files are dynamically allocated by it to the IOA environment. In this case, the file identified in the message was already allocated to the IOA environment when IOA started up.

The Online facility terminates.

**Corrective Action:** Deallocate this DD name from the IOA environment.

**MAN85ES MODULE modName RETURNED WITH RC= rc**

**Explanation:** This is one of two messages with the same ID, but different text.

A severe error occurred in the `modName` module when the user tried to enter an IOA option. In most cases, the called program could not issue an error message.

Valid values for `rc` are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>There is no region below the line for the application</td>
</tr>
<tr>
<td>12</td>
<td>There is no region above the line for the application</td>
</tr>
</tbody>
</table>
### rc | Explanation
---|---
16 | A severe error occurred. The called program issued an error message. The called program abends.
The correct action is as follows, according to the return code:
- 08, 12--In case of TSO, log off and log on again. In case of IOAOMON, stop and restart IOAOMON. If this doesn't help, reduce the number of IOAOMON users by modifying the MAXSESS parameter in the IOAXPRM member.
- 16--Follow the instructions in the error message issued by the called program.
- 20--Contact BMC Software Customer Support.

#### MAN85ES MESSAGE msgId WAS NOT FOUND OR MEMBER memName DOES NOT EXIST IN THE MESSAGE LIBRARY.
**Explanation:** This is one of two messages with the same ID, but different text.
Either the `msgId` message is missing from the `memName` member, or the `msgId` message member is missing from the IOA MSG library.
**Corrective Action:** No action is required.

#### MAN85FS MAXIMUM NUMBER OF IOA SESSIONS REACHED
**Explanation:** TSO user tried to activate a fifth IOA session in his TSO address space.
In the TSO environment, the user can activate IOA sessions by executing the IOATSO or IOAISPF CLISTs. IOA allows a maximum of 4 sessions to be activated. If the user tries to activate a fifth session, this error message is generated.
The fifth session is not established.
**Corrective Action:** Terminate one of the previous sessions in order to initiate a new session.

#### MAN85GS USER PROFILE MEMBER CANNOT BE ACCESSED
**Explanation:** IOA could not access the user profile member during IOA online initialization.
The IOA online session terminates.
**Corrective Action:** Call your INCONTROL administrator.
MAN85HS UNABLE TO LOCATE MESSAGE msgId, CALL TECHNICAL SUPPORT FOR HELP

Explanation: The msgId message is missing from the IOA MSG library.
Corrective Action: No action is required.

MAN85HS THE MESSAGE PROCESSING FACILITY WAS NOT INITIALIZED PROPERLY

Explanation: The message processing facility was not initialized properly. It is therefore impossible to issue any messages.
The IOA session is ended.
Corrective Action: No action is required.

MAN85HS UNABLE TO OBTAIN ENQ FOR THE MESSAGES or UNABLE TO OBTAIN LOCK FOR THE MESSAGES

Explanation: The message processing facility encountered a problem while trying to obtain an exclusive lock in order to issue a message.
The IOA session is ended.
Corrective Action: No action is required.

MAN85HS OPEN FAILED FOR MESSAGE LIBRARY

Explanation: The message processing facility is unable to open the IOA MSG library.
The IOA session is ended.
Corrective Action: No action is required.

MAN85HS TOO MANY MESSAGE MEMBERS WERE LOADED

Explanation: The message processing facility is unable to process any more messages because of a storage shortage.
The IOA session is ended.
Corrective Action: No action is required.

MAN85HS UNABLE TO OBTAIN STORAGE FOR MESSAGE

Explanation: The message processing facility is unable to process any more messages because of a storage shortage.
The IOA session is ended.
Corrective Action: No action is required.
MAN85I S GLOBAL PROFILE VARIABLES ($PROFILE) COULD NOT BE ACCESSED

**Explanation:** An attempt to access the $PROFILE member in the IOAENV library failed.
The most common cause is that the member is held by another user or program.  
The IOA Online facility is not entered.

**Corrective Action:** Determine which user or program is holding the member, and try to obtain its release.

MAN85J S TRANID MEMBER *memName* CONTAINS IRRELEVANT OPTIONS

**Explanation:** An irrelevant option was specified in the *memName* transaction member.  
The IOA online session terminates.

**Corrective Action:** Change the *memName* transaction member and log on again to the IOA online session.

MAN85KE AN ERROR OCCURRED WHILE THE PROFILE MEMBER WAS BEING UPDATED

**Explanation:** IOA was unable to write the user profile member.  
The write process is ignored.

**Corrective Action:** Check whether or not there is enough space in the profile library.

MCI messages

This group includes messages for the IOA (infrastructure) product.

Messages MCI A00 through MCI Axx

This group includes messages for the IOA (infrastructure) product.

MCI A20E PROGRAM CTMCIOC DISABLED OR NOT DEFINED IN CI CS

**Explanation:** The CTMICUS program failed to link to the CTMCIOC program because the program was disabled or was not defined in the CICS tables.
The CTMICUS program scans the open/close status of CICS files defined for Control-M, and updates any changed status in the IOA Conditions file.  Updating is accomplished by means of a link to the CTMCIOC program.  
The CTMICUS program stops executing.

**Corrective Action:** Check that the CTMCIOC program is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CI CSSAMP library.
MCIA21E CTMCIUS PROCESSING ERROR: EIBFN= func EIBRCODE= err ABEND= abCode

**Explanation:** The CTMCIUS program failed due to an internal error.

The CTMCIUS program scans the open/close status of CICS files defined for Control-M, and updates any changed status in the IOA Conditions file.

Where the error occurred as a result of an EXEC CICS command, func indicates the function code, and err indicates the error code.

In the case of a program check, abCode indicates the CICS abend code.

The CTMCIUS program stops executing and a CICS transaction dump is produced.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

MCIA22E I/O ERROR ON TEMPORARY STORAGE FILE

**Explanation:** An I/O error occurred while attempting to read the CICS Temporary Storage file.

This error message is issued by the CTMCIUS program, which scans the open/close status of CICS files defined for Control-M, and updates any changed status in the IOA Conditions file. Possible causes are:

- Invalid record size.
- CICS customization error.
- File corruption.

The CTMCIUS program stops executing.

**Corrective Action:** Check the status of the Temporary Storage file and if possible, correct the problem. If the error persists, contact BMC Software Customer Support.

MCIA23E TRANSACTION transid NOT DEFINED IN CICS

**Explanation:** The CTMCIUS program failed to start the transid transaction because the transaction was disabled or was not defined in the CICS tables.

The transid transaction invokes the CTMCIUS program, which scans the open/close status of CICS files defined for Control-M, and updates any changed status in the IOA Conditions file. If the program ends due to an error, it issues a start command to restart itself after a given time interval. This error message is issued if the start is unsuccessful.

The CTMCIUS program stops executing.

**Corrective Action:** Check that transaction transid is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CICSSAMP library.

MCIA24I CONTROL-M FILE STATUS SCANNING STARTED

**Explanation:** This information message is a normal start message of the CTMCIUS program. CTMCIUS scans the status of CICS files defined for Control-M, and updates any changed status in the IOA Conditions file.
The CTMCIUS program scans the open/close status of CICS files for which conditions have been defined in the Control-M file table CTMCITB. The program updates the open/close status for files whose status was changed outside the IOA/CICS Interface.

**Corrective Action:** No action is required.

**MCIA25I CONTROL-M FILE STATUS SCANNING ENDED**

**Explanation:** This information message is a normal end message of the CTMCIUS program. CTMCIUS scans the status of CICS files defined for Control-M, and updates any changed status in the IOA Conditions file.

The CTMCIUS program usually stops executing as a result of transaction CTMP issuing a shut request. However, this message is also issued when the program stops executing as a result of an error.

If the program stopped executing due to an error, an attempt will be made to restart it automatically after a set time interval.

**Corrective Action:** No action is required.

**MCIA27E CTMCISP PROCESSING ERROR: EIBFN= func EIBRCODE= err ABEND= abCode**

**Explanation:** The CTMCISP program failed due to an internal error.

The CTMCISP program is invoked by transaction CTMP to terminate the file status scanning the CTMCIUS program.

Where the error occurred as a result of an EXEC CICS command, func indicates the function code, and err indicates the error code.

In the case of a program check, abCode indicates the CICS abend code.

A CICS transaction dump is produced.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**MCIA28E I/O ERROR ON TEMPORARY STORAGE FILE**

**Explanation:** An I/O error occurred while attempting to write to the CICS Temporary Storage file.

This error message is issued by the CTMCISP program, which is invoked by the CTMP transaction to terminate the CTMCIUS file status scanning program.

The error may be due to one of the following:

- Invalid record size.
- CICS customization error.
- File corruption.

The CTMCISP program stops executing.

**Corrective Action:** Check the status of the Temporary Storage file and if possible, correct the problem. If the error persists, contact BMC Software Customer Support.
**MCIA29E NO SPACE ON TEMPORARY STORAGE FILE**

**Explanation:** A NOSPACE condition was detected while attempting to write to the CICS Temporary Storage file.

This error message is issued by the CTMCISP program, which is invoked by CTMP transaction to terminate the CTMCIUS file status scanning program.

The CTMCISP program stops executing.

**Corrective Action:** Delete unnecessary records from the Temporary Storage file or increase the file size.

**MCIA30I FILE SCANNING SHUT REQUEST HAS BEEN ISSUED**

**Explanation:** This information message indicates that transaction CTMP, which requests termination of file scanning the CTMCIUS program, has been entered.

The CTMCIUS program will detect the shut request and will stop executing.

**Corrective Action:** No action is required.

**MCIA31E TRANSACTION transid NOT DEFINED IN CICS**

**Explanation:** The CTMCIUP program could not start the transid transaction because the transaction is not defined in the CICS tables.

The CTMCIUP program starts the transid transaction (the CTMCIST program) in order to add a CICS-UP condition to the IOA Conditions file.

The CTMCIUP program stops executing, and the CICS-UP condition is not added.

**Corrective Action:** Check that the transid transaction is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CICSSAMP library.

**MCIA32E SECURITY CHECK FAILED FOR TRANSACTION START transid**

**Explanation:** The CTMCIUP program could not start the transid transaction because the necessary security authorization was not available.

The CTMCIUP program starts the transid transaction (the CTMCIST program) in order to add a CICS-UP condition to the IOA Conditions file.

The CTMCIUP program stops executing and the CICS-UP condition is not added.

**Corrective Action:** Contact your CICS system programmer to define the correct security level in the CICS PCT entry of the started transaction, using the RSL parameter.

**MCIA33E CTMCIUP PROCESSING ERROR: EIBFN= func EIBRCODE= rc ABEND= abCode**

**Explanation:** The CTMCIUP program failed due to an internal error.

The CTMCIUP program starts the transid transaction (the CTMCIST program) in order to add a CICS-UP condition to the IOA Conditions file.

Where the error occurred as a result of an EXEC CICS command, func indicates the function code, and rc indicates the error code.
In the case of a program check, \textit{abCode} indicates the CICS abend code.

A CICS transaction dump is produced.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**MCIA34E PROGRAM CTMCIOC DISABLED OR NOT DEFINED IN CICS**

**Explanation:** The CTMCISS program, which is invoked at CICS startup, failed to link to the CTMCIOC program because the program was disabled or was not defined in the CICS tables.

The CTMCISS program builds the Temporary Storage Queue, which consists of Control-M files defined in the CTMCITB module. It does so by linking to the CTMCIOC program with an initialization request.

The CTMCISS program stops executing and the Temporary Storage Queue is not built.

**Corrective Action:** Check that the CTMCIOC program is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CICSSAMP library.

**MCIA35E CTMCISS PROCESSING ERROR: EIBFN= func EIBRCODE= err ABEND= abCode**

**Explanation:** The CTMCISS program, which is invoked at CICS startup, failed due to an internal error.

Where the error occurred as a result of an EXEC CICS command, \textit{func} indicates the function code, and \textit{err} indicates the error code.

In the case of a program check, \textit{abCode} indicates the CICS abend code.

The CTMCISS program stops executing.

**Corrective Action:** Check the system log for any relevant messages. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**MCIA36E I/O ERROR ON TEMPORARY STORAGE FILE**

**Explanation:** An I/O error occurred while attempting to read the CICS Temporary Storage file.

This error message is issued by the CTMCISS program, which reads the Temporary Storage file in order to obtain the list of CICS files defined for Control-M in the CTMCITB table. The error may be due to one of the following:

- invalid record size.
- CICS customization error.
- file corruption.

The CTMCISS program stops executing.

**Corrective Action:** Check the status of the Temporary Storage file and if possible, correct the problem. If the error persists, contact BMC Software Customer Support.
MCIA37E TRANSACTION *transid* NOT DEFINED IN CICS

**Explanation:** The CTMCISS program failed to start transaction *transid* because the transaction was not defined in the CICS tables.

Transaction *transid* invokes CICS file scanning the CTMCIUS program. The CTMCISS program stops executing.

**Corrective Action:** Check that transaction *transid* is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CICSSAMP library.

MCIA38I CONTROL-M PLT FILE STATUS SCANNING STARTED

**Explanation:** This information message is a normal start message of the CTMCISS program. CTMCISS scans files defined in table CTMCITB to determine if the open/close status of the files has been altered.

**Corrective Action:** No action is required.

MCIA39I CONTROL-M PLT FILE STATUS SCANNING ENDED

**Explanation:** This information message is a normal end message of the CTMCISS program. The CTMCISS program initialized the Temporary Storage Queue and issued a start command to transaction CTM2, which will invoke the CTMCIUS program after termination of the scanning interval.

**Corrective Action:** No action is required.

Messages MCID00 through MCIDxx

This group includes messages for the IOA (infrastructure) product.

MCID01I CTMAJO SUCCESSFUL COMPLETION

**Explanation:** This information message notifies that the CTMAJO program, which is invoked by the CTMCIJO program, successfully placed a job order in the Active Jobs file.

**Corrective Action:** No action is required.

MCID02E INVALID OR NO COMMAREA SUPPLIED TO CTMCIJO ROUTINE

**Explanation:** Either no COMMAREA was supplied to job order submission the CTMCIJO program, or the length of the COMMAREA supplied was less than that expected by the program.

The COMMAREA must be defined according to DSECT CTMCIAJO, or COPY the CTMCICJO member. The CTMCIJO program stops executing with a condition code of 04.

**Corrective Action:** Check that the length of the COMMAREA is not less than the length of DSECT CTMCIAJO or COPY the CTMCICJO member. Contact your CICS system programmer for assistance if necessary.

MCID03E CTMCIJO PROCESSING ERROR: EIBFN= *func* EIBRCODE= *err* ABEND= *abCode*

**Explanation:** The CTMCIJO job order submission program, failed due to an internal error.
Where the error occurred as a result of an EXEC CICS command, `func` indicates the function code, and `err` indicates the error code.

In the case of a program check, `abCode` indicates the CICS abend code.

A CICS transaction dump is produced and the program stops executing with a condition code of 52.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**MCID04E STORAGE NOT AVAILABLE TO PROCESS REQUEST**

**Explanation:** Insufficient storage was available in CICS to process the user request.

This error message is issued by the CTMCIJO job order submission program, which requires CICS storage to build parameters for the CTMAJO program, which places the job on the Active Jobs file.

The CTMCIJO program stops executing with a condition code of 08.

**Corrective Action:** Retry the transaction, and if the error persists, contact your CICS system programmer.

**MCID05E KEYWORD PARAMETER MISSING: `keyName`**

**Explanation:** Missing `//*CONTROLM JCL` statement with keyword `keyName` in the input parameter list passed to the CTMCIJO job order submission program.

The input parameter list must contain two `//*CONTROLM` statements, with keywords TABLE and JCL respectively. For details, refer to the section on the Control-M Quick Submit Command in the Control-M for z/OS User Guide.

The CTMCIJO program stops executing with a condition code of 12.

**Corrective Action:** Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.

**MCID06E INVALID KEYWORD FOUND: `keyName`**

**Explanation:** Invalid keyword `keyName`, found in a `//*CONTROLM JCL` statement in the input parameter list passed to the CTMCIJO job order submission program.

The only valid keywords for `//*CONTROLM` statements are TABLE and JCL, and a statement with each must be included in the input parameter list. For more details see the Control-M Quick Submit Command in the Control-M for z/OS User Guide.

The CTMCIJO program stops executing with a condition code of 16.

**Corrective Action:** Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.

**MCID07E KEYWORD TABLE ERROR FOUND**

**Explanation:** The CTMCIJO job order submission program failed due to an internal error while scanning the JCL statements specified in the input parameter list.

The CTMCIJO program stops executing with a condition code of 60.
Corrective Action: Save the CICS job log and have your INCONTROL administrator contact BMC Software Customer Support.

MCID08E VALUE MISSING FOR parm

Explanation: No value was specified for the parm parameter in a //CONTROLM JCL statement in the input parameter list that was passed to the CTMCIJO job order submission program.

The //CONTROLM statement contained a valid keyword (TABLE or JCL), but it was not followed by the expected data. For details, refer to the Control-M Quick Submit Command in the Control-M for z/OS User Guide.

The CTMCIJO program stops executing with a condition code of 20.

Corrective Action: Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.

MCID09E INVALID VALUE FOUND: val

Explanation: An invalid value val was specified for a parameter in a //CONTROLM JCL statement in the input parameter list passed to the CTMCIJO job order submission program.

The //CONTROLM statement contains a valid keyword (TABLE or JCL), but the data following it is invalid for that keyword. For more information, see the Control-M for z/OS User Guide.

The CTMCIJO program stops executing with a condition code of 24.

Corrective Action: Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.

MCID10E NUMBER OF JCL STATEMENTS NOT SPECIFIED

Explanation: The COMMAREA passed to the CTMCIJO job order submission program did not indicate the number of JCL statements included in the input parameter list.

The number of JCL statements must be indicated in the fixed part of the COMMAREA passed to the CTMCIJO program.

The CTMCIJO program stops executing with a condition code of 28.

Corrective Action: Contact your CICS system programmer for assistance.

MCID11E TABLE LIBRARY NOT SPECIFIED

Explanation: No scheduling table library was specified in a //CONTROLM JCL statement in the input parameter list passed to the CTMCIJO job order submission program.

The job order request cannot be processed unless keyword TABLE is followed by a valid scheduling library name. For more details please refer to the Control-M for z/OS User Guide.

The CTMCIJO program stops executing with a condition code of 32.

Corrective Action: Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.
MCID12E JCL LIBRARY NOT SPECIFIED

**Explanation:** No JCL library was specified in the //**CONTROLM** JCL statement in the input parameter list passed to the CTMCIJO job order submission program.

Keyword JCL must be followed by a valid JCL library name in order for the JCL defined in the COMMAREA to be saved for subsequent processing by Control-M.

The CTMCIJO program stops executing with a condition code of 36.

**Corrective Action:** Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.

MCID13E TABLE LIBRARY MEMBER NOT SPECIFIED

**Explanation:** No scheduling table library member was specified in a //**CONTROLM** JCL statement in the input parameter list passed to the CTMCIJO job order submission program.

The job order request cannot be processed unless the MEMBER keyword is followed by a valid scheduling library member name. For more details please refer to the Control-M for z/OS User Guide.

The CTMCIJO program stops executing with a condition code of 40.

**Corrective Action:** Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.

MCID14E INVALID DATA FOUND IN AUTOEDIT PARAMETERS

**Explanation:** Invalid data was found in the AutoEdit parameter string passed to the CTMCIJO job order submission program.

The error may be due to one of the following:

- An AutoEdit variable is not preceded by %%
- The statements are not separated by commas.
- The number of AutoEdit parameters specified in the COMMAREA header does not match the number of AutoEdit statements in the parameter string.

The CTMCIJO program stops executing with a condition code of 44.

**Corrective Action:** Correct the input and re-invoke the CTMCIJO program. Contact your CICS system programmer for assistance if necessary.

MCID15E ERROR IN CTMAJO ATTACH. RC= rc

**Explanation:** Execution of a MVS ATTACH macro ended with return code rc.

This error message is issued by the CTMCIJO job order submission program, which processes job order requests by passing parameters to the CTMAJO program by means of an MVS ATTACH macro.

The subtask for executing CTMAJO is not created and the CTMCIJO program stops executing with a condition code of 48.

**Corrective Action:** Refer to the relevant IBM manual for an explanation of the return code. If the problem cannot be resolved, contact BMC Software Customer Support.
MCID16E ERROR IN CTMAJO PROCESSING. RC= rc

Explanation: The CTMCJ O job order submission program invoked the CTMAJO program to process the job order specified by the input parameter list. Processing of the request ended with return code rc. The CTMCJ O program stops executing with a condition code of 52.

Corrective Action: For an explanation of the return code returned by the CTMAJO program, refer to the ROSORDER sample program in the IOA SAMPLE library. If the problem cannot be resolved, contact BMC Software Customer Support.

MCID17E ROUTINE CTMAJO ABENDED abCode

Explanation: The CTMCJ O job order submission program invoked the CTMAJO program to process the job order specified by the input parameter list. The CTMAJO program abended with code abCode. The CTMCJ O program stops executing with a condition code of 56.

Corrective Action: For an explanation of the abend code, refer to the relevant IBM manual. If the problem cannot be resolved, contact BMC Software Customer Support.

Messages MCIF00 through MCIFxx

This group includes messages for the IOA (infrastructure) product.

MCIF01E COMMAREA LENGTH INVALID

Explanation: The length of the CICS COMMAREA supplied to the CTMCICN prerequisite condition processing program was less than that expected by the program. The parameter list is passed to the program by means of a CICS COMMAREA which must be defined according to DSECT CTMCIACN or COPY the CTMCICCN member. The CTMCICN program stops executing.

Corrective Action: If the program which links to CTMCICN is user-written, check that the length of the COMMAREA specified in the LINKD statement is not less than the length of DSECT CTMCIACN or COPY the CTMCICCN member. Contact your CICS system programmer for assistance if necessary. If the program linking to CTMCICN is part of the IOA/CICS Interface and has not been altered, have your INCONTROL administrator contact BMC Software Customer Support.

MCIF02E CONDITION ALREADY FOUND OR MISSING

Explanation: The condition specified in an ADD request already exists in the IOA Conditions file, or the condition specified in a DELETE or CHECK request could not be found. This message is issued by prerequisite processing the CTMCICN program. The CTMCICN program stops executing.

Corrective Action: No action is required.
MCIF03E ONE OR MORE PARAMETERS PASSED TO PROGRAM "CTMCICN" ARE INVALID

Explanation: An invalid parameter was passed to the CTMCICN prerequisite condition processing program.

The CTMCICN program stops executing.

Corrective Action: If the program which links to CTMCICN is user-written, check that the parameters passed to the program conform to DSECT CTMCIACN or COPY the CTMCICCN member. If the program linking to CTMCICN is part of the IOA/CICS Interface and has not been altered, have your INCONTROL administrator contact BMC Software Customer Support.

MCIF04E ROUTINE routineName ABENDED abCode

Explanation: An internal error occurred in routine routineName, and processing abends with code abCode.

This error message is issued by prerequisite condition processing the CTMCICN program, which accesses the IOA Conditions files by means of subtask IOACND.

The CTMCICN program stops executing.

Corrective Action: Have your INCONTROL administrator inform BMC Software Customer Support of the abend code.

MCIF05E ERROR IN IOACND ATTACH. RC= rc

Explanation: Execution of an MVS ATTACH macro ended with return code rc.

This error message is issued by prerequisite condition processing the CTMCICN program, which accesses the IOA Conditions files by means of an ATTACH to subtask IOACND.

The CTMCICN program stops executing.

Corrective Action: Refer to the relevant IBM manual for an explanation of the return code. If the problem cannot be resolved, contact BMC Software Customer Support.

MCIF06I "func" SUCCESSFUL. CONDITION: cond

Explanation: This information message is issued by prerequisite condition processing the CTMCICN program, and indicates that function func was successfully executed for prerequisite condition cond.

Corrective Action: No action is required.

MCIF11E PROGRAM CTMCICN NOT DEFINED IN CICS

Explanation: The CTMCIST program failed to link to the CTMCICN program because the program was disabled, or was not defined in the CICS tables.

The CTMCIST program attempted to link to the CTMCICN program in order to set a CICS-UP or CICS-DOWN condition in the IOA Conditions file.

The CICS-UP or CICS-DOWN condition is not added to the IOA Conditions file.
Corrective Action: Check that the CTMCICN program is enabled, and that it is correctly defined in the CICS tables. For more information, please refer to the installation instructions in the IOA CI CSSAMP library.

MCI F12E NO INPUT PARAMETER RECEIVED

Explanation: The CTMCIST program did not receive an UP or DOWN input parameter. The CTMCIST program is invoked by means of a START command from CTMCIUP or CTMCIDN during CICS startup and shutdown respectively. Include the UP or DOWN parameter with the START command, to indicate whether to add CICS-UP or a CICS-DOWN condition to the IOA Conditions file. The CTMCIST program stops executing.

Corrective Action: Supply the correct parameter with the START command. Contact your CICS system programmer for assistance if necessary.

MCI F13I CICS STATUS SET SUCCESSFULLY

Explanation: This information message indicates that a CICS-UP or CICS-DOWN condition was successfully added to the IOA Conditions file. This message is issued when the CTMCIST program is invoked by means of a START command from CTMCIUP or CTMCIDN.

Corrective Action: No action is required.

MCI F14E CTMCIST PROCESSING ERROR: EIBFN= func EIBRCODE= err ABEND= abCode

Explanation: The CTMCIST program, which sets CICS-UP and CICS-DOWN conditions in the IOA Conditions file, failed due to an internal error. Where the error occurred as a result of an EXEC CICS command, func indicates the function code, and err indicates the error code. In the case of a program check, abCode indicates the CICS abend code. The program stops executing, and a CICS transaction dump is produced.

Corrective Action: Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

MCI F21E INVALID OR NO COMMAREA SUPPLIED TO CTMCIOC ROUTINE

Explanation: The length of the CICS COMMAREA supplied to the CTMCIOC program was less than that expected by the program. The CTMCIOC program is called to open or close Control-M files defined in table CTMCITB. Parameters are passed to the program by means of a CICS COMMAREA which must be defined according to DSECT CTMCIIOC, or COPY the CTMCIOC member. The CTMCIOC program stops executing with a condition code of 04.
Corrective Action: If the program which links to CTMCIOC is user-written, check that the length of the COMMAREA specified in the LINK statement is not less than the length of DSECT CTMCIOAC or COPY the CTMCIOAC member. Contact your CICS system programmer for assistance if necessary.

If the program linking to CTMCIOC is part of the IOA/CICS Interface and has not been altered, have your INCONTROL administrator contact BMC Software Customer Support.

MCIF22E FUNCTION NOT SPECIFIED OR INVALID

Explanation: The parameter list passed to the CTMCIOC program contained either no function or an invalid function.

The CTMCIOC program is called to open or close Control-M files defined in table CTMCITB. Valid functions are O (open) and C (close).

The CTMCIOC program stops executing with a condition code of 08.

Corrective Action: Supply a valid function.

MCIF23E GROUP NOT SPECIFIED OR NOT FOUND ON FILE

Explanation: The parameter list passed to the CTMCIOC program contained either no group, or a group which could not be found on the Temporary Storage Queue of Control-M files.

This error message is issued by the CTMCIOC program, which is called to open or close Control-M files defined in table CTMCITB.

The CTMCIOC program stops executing with a condition code of 12.

Corrective Action: Supply a valid value for the GROUP parameter.

MCIF24E DATASET NOT SPECIFIED OR NOT FOUND ON FILE

Explanation: The parameter list passed to the CTMCIOC program contained either no data set name, or a data set name which could not be found on the Temporary Storage Queue of Control-M files.

This error message is issued by the CTMCIOC program, which is called to open or close Control-M files defined in table CTMCITB.

The CTMCIOC program stops executing with a condition code of 16.

Corrective Action: Supply a valid value for the DSN parameter.

MCIF25E DDNAME NOT SPECIFIED OR NOT FOUND ON FILE

Explanation: The parameter list passed to the CTMCIOC program contained either no DD name, or a DD name which could not be found on the Temporary Storage Queue of Control-M files.

This error message is issued by the CTMCIOC program, which is called to open or close Control-M files defined in table CTMCITB.

The CTMCIOC program stops executing with a condition code of 20.

Corrective Action: Supply a valid value for the DD parameter.

MCIF26E STORAGE NOT AVAILABLE TO PROCESS REQUEST

Explanation: Insufficient CICS DSA storage was available to process the user request.
This message is issued by the CTMCIOC program, which is called to open or close Control-M files defined in table CTMCITB. The program failed during a CICS GETMAIN command.

The CTMCIOC program stops executing with a condition code of 08.

**Corrective Action:** Retry the transaction, and if the error persists, contact your CICS system programmer.

**MCIF27I** DDNAME= ddName ALLOCATED TO CICS cics_version DSNAME= dsn

**Explanation:** This information message is issued by the CTMCIOC program, and indicates that a Control-M file defined in table CTMCITB was successfully allocated to CICS as a result of a request to open it.

**Corrective Action:** No action is required.

**MCIF28I** DDNAME= ddName DEALLOCATED FROM CICS cics DSNAME= dsn

**Explanation:** This information message is issued by the CTMCIOC program, and indicates that a Control-M file defined in table CTMCITB was successfully deallocated from CICS as a result of a request to close it.

**Corrective Action:** No action is required.

**MCIF29I** DDNAME= ddName OPEN SUCCESSFUL

**Explanation:** This information message is issued by the CTMCIOC program, and indicates that a request to open a Control-M file defined in table CTMCITB was successfully performed.

**Corrective Action:** No action is required.

**MCIF30I** DDNAME= ddName CLOSE SUCCESSFUL

**Explanation:** This information message is issued by the CTMCIOC program, and indicates that a request to close a Control-M file defined in table CTMCITB was successfully performed.

**Corrective Action:** No action is required.

**MCIF31E** DDNAME= ddName ERROR= rc rsn info_code msg

**Explanation:** The CTMCIOC program was called to open or close Control-M files defined in the CTMCITB table. However, an error occurred during file allocation or deallocation processing.

The variables in this message are:
- **rc** - the return code produced by the dynamic allocation routine
- **rsn** - the reason code produced by the dynamic allocation routine
- **info_code** - the information code produced by the dynamic allocation routine
- **msg** - the meaning of the return codes

For further explanation of the return codes, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

The CTMCIOC program stops executing with a condition code of 28.

**Corrective Action:** Contact your CICS system programmer for assistance if necessary.

**MCI F32E DDNAME= ddName NOT DEFINED IN FCT**

**Explanation:** The CTMCIOC program was called to open or close Control-M files defined in the CTMCITB table, but the DD name specified in the Control-M files table is not defined in the FCT of the specific CICS. The DD name is ignored and processing either continues with the next member of the group (if group processing was specified), or the program stops executing.

**Corrective Action:** No action is required.

**MCI F33E DDNAME= ddName AUTHORIZATION REQUIRED TO PROCESS REQUEST**

**Explanation:** The CTMCIOC program was called to open or close Control-M files defined in table CTMCITB. However, the file referenced by the *ddName* DD statement could not be opened because the necessary security authorization was not available.

The CTMCIOC program stops executing with a condition code of 40.

**Corrective Action:** Contact your CICS system programmer to define the correct security level for the transaction, both for the SET command to perform file open/close, and for access to the specific data set.

**MCI F34E DDNAME= ddName I/O ERROR IN ACCESSING DATASET**

**Explanation:** The CTMCIOC program was called to open or close Control-M files defined in table CTMCITB, but the open/close failed for a VSAM file.

The CTMCIOC program stops executing with a condition code of 44.

**Corrective Action:** Check that the data set is properly defined and that the definition conforms to the FCT definition for the data set.

**MCI F35E PROGRAM "pgm" DISABLED OR NOT DEFINED IN CICS**

**Explanation:** The CTMCIOC program was called to open or close Control-M files defined in table CTMCITB. However, its attempt to link or load program *pgm* failed.

The CTMCIOC program stops executing with a condition code of 52.

**Corrective Action:** Check that all programs for the IOA/CICS Interface are enabled and correctly defined in the CICS PPT/PCT. For more information, please refer to the installation instructions in the IOA CICSSAMP library.
MCIF36E DDNAME= ddName UNABLE TO CLOSE DATASET

**Explanation:** The file referenced by the DD name identified in the message could not be closed.

The CTMCIOC program was called to close Control-M files defined in table CTMCITB. The program made the maximum number of attempts permissible to close the data set, but was unsuccessful. The maximum number of close attempts is set in installation modifiable variable &TRYLIM, in the CTMICGLC member, and has a default value of three.

The CTMCIOC program stops executing with a condition code of 48.

**Corrective Action:** Check that all transactions holding the file have terminated and then re-enter the CLOSE request. If necessary, have your CICS system programmer increase the value of variable &RTRYLIM.

MCIF37E CTMCIOC PROCESSING ERROR: EIBFN= func EIBRCODE= error ABEND= abend

**Explanation:** The CTMCIOC program failed due to an internal error.

Where the error occurred as a result of an EXEC CICS command, func indicates the function code, and error indicates the error code.

In the case of a program check, abend indicates the CICS abend code.

The program stops executing with a condition code of 64 and a CICS transaction dump is produced.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

MCIF38E I/O ERROR ON TEMPORARY STORAGE FILE

**Explanation:** An I/O error occurred while attempting to access records in the CICS Temporary Storage file.

This error message is issued by the CTMCIOC program, which was called to open or close Control-M files defined in table CTMCITB.

The error may be due to one of the following:

- invalid record size
- CICS customization error
- file corruption

The CTMCIOC program stops executing with a condition code of 60.

**Corrective Action:** Check the status of the Temporary Storage file and if possible correct the problem. If the error persists, contact BMC Software Customer Support.

MCIF39E NO SPACE ON TEMPORARY STORAGE FILE

**Explanation:** A NOSPACE condition was detected while attempting to write or update records on the Temporary Storage file.
INCONTROL for z/OS Messages Manual

This error message is issued by the CTMCIOC program, which was called to open or close Control-M files defined in table CTMCITB.
The CTMCIOC program stops executing with a condition code of 56.
**Corrective Action:** Delete unnecessary records from the Temporary Storage file or increase the file size.

**MCIF40I num1 OF num2 FILES PROCESSED SUCCESSFULLY**

**Explanation:** This information message is issued by the CTMCIOC program, which is invoked to open or close Control-M files defined in table CTMCITB, and indicates that number1 files were processed successfully from a group containing number2 files.
This summary message is issued following processing of a file group, and follows messages MCIF29I or MCIF30I which are issued to indicate the successful processing of the individual files.
**Corrective Action:** No action is required.

**MCIF41I TEMPORARY STORAGE FILE SUCCESSFULLY INITIALIZED**

**Explanation:** This information message indicates that the CTMCIOC program has successfully built the Temporary Storage Queue containing the Control-M files defined in table CTMCITB.
**Corrective Action:** No action is required.

**MCIF42E ERROR INVOKING DYNAMIC ALLOCATION SUBTASK. INLINE SVC WILL BE USED**

**Explanation:** An error occurred during an ATTACH of a dynamic allocation subtask.
This error message is issued by the CTMCIOC program, which is called to open or close Control-M files defined in table CTMCITB.
The dynamic allocation SVC will be invoked from the CTMCIOC mainline program.
**Corrective Action:** Check the CICS job log for any additional messages. Verify that OSCORE is sufficiently large for the IOACND program. For details of the CICS OSCORE requirements for the product, please refer to the installation instructions in the IOA CICSSAMP library. Contact your CICS system programmer for assistance if necessary.

**MCIF43E DDNAME= ddName ALLOCATED DSNAME DOES NOT MATCH TABLE SPECIFICATION**

**Explanation:** The CTMCIOC program was called to open a Control-M file defined in table CTMCITB. However, the data set name specified in table CTMCITB for the identified DD name did not match the data set name currently allocated in CICS for this DD name.
The CTMCIOC program stops executing with a condition code of 68.
**Corrective Action:** Correct the data set name in table CTMCITB so that it matches the data set name currently allocated to the DD name in CICS.
MCIF44E DDNAME= ddName DISPOSITION CANNOT BE ALTERED FOR AN OPEN FILE

Explanation: An attempt was made to change the disposition of an open file.
This message is issued by the CTMCIOC program, which was invoked in order to process a Control-M file defined in table CTMCITB.
The CTMCIOC program stops executing with a condition code of 72.
Corrective Action: Close the file before specifying a different disposition.

MCIF45E INVALID CONTROL-M FILE TABLE LENGTH

Explanation: The total length of the Control-M file table CTMCITB is not a multiple of the length of a file entry.
This message is issued by the CTMCIOC program, which is invoked to build the Temporary Storage Queue containing a list of Control-M files as defined in table CTMCITB. The program performs a validity check on file table CTMCITB in order to calculate the number of entries in the table. The problem may have been caused by assembly of the table using the CICS command level assembly procedure, instead of a standard assembly procedure, as is required.
The CTMCIOC program stops executing with a condition code of 76.
Corrective Action: Ensure that the length of the CTMCITB module is correct. Reassemble the table using a standard assembly procedure if it was incorrectly assembled originally. Contact your CICS system programmer for assistance if necessary.

MCIF46I ALL CONTROL-M FILES ALREADY CLOSED

Explanation: This information message is issued by the CTMCIOC program during CICS shutdown processing.
The CTMCIDN program invoked the CTMCIOC program with a request to close all Control-M files defined in table CTMCITB. However, all Control-M files were already closed.
Corrective Action: No action is required.

MCIF50E PROGRAM CTMCIOC DISABLED OR NOT DEFINED IN CICS

Explanation: The CTMCIOC program failed to link to the CTMCIOC program because the program was disabled or was not defined in the CICS tables.
The CTMCIOC program is invoked by transactions CTMO/CTMC in order to process open/close requests for files defined in the Control-M file table CTMCITB. The program attempted to link to the CTMCIOC program to process the requests.
The CTMCIOC program stops executing.
Corrective Action: Check that the CTMCIOC program is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CICSSAMP library.
MCIF51E INVALID DATA RETURNED IN COMMAREA OF LINK TO ROUTINE CTMCIOC

**Explanation:**
An invalid table address was returned to the CTMCICT program.

The CTMCICT program, which processes open/close requests for files defined in the Control-M file table CTMCITB, links to the CTMCIOC program in order to process the request. When processing is requested for more than one file, diagnostic messages for each file are returned to the CTMCICT program in a table pointed to by an address in the COMMAREA.

The CTMCICT program stops executing.

**Corrective Action:**
Check the CICS job log for additional messages which may indicate the cause of the problem. If necessary, contact BMC Software Customer Support.

MCIF52E INVALID INPUT DATA LENGTH FOUND

**Explanation:**
The CTMCICT program failed due to an internal error.

The error occurred while processing input data for transaction CTMO/CTMC, following a CICS RECEIVE command.

The CTMCICT program stops executing.

**Corrective Action:**
Check the CICS job log for any relevant CICS error messages, and contact BMC Software Customer Support with the information.

MCIF53E INVALID INPUT DATA ADDRESS FOUND

**Explanation:**
The CTMCICT program failed due to an internal error.

The error occurred while processing input data for transaction CTMO/CTMC, following a CICS RECEIVE command.

The CTMCICT program stops executing.

**Corrective Action:**
Check the CICS job log for any relevant CICS error messages, and contact BMC Software Customer Support with the information.

MCIF54E KEYWORD PARAMETER MISSING: `keyName`

**Explanation:**
The data entered with transaction CTMO/CTMC do not contain any of the following keywords: DD, DSN, GROUP, DISP, or COND.

At least one of the keywords must be entered following the transaction name.

The CTMCICT program, which is invoked by transaction CTMO/CTMC, stops executing.

**Corrective Action:**
correct the input data and re-enter the transaction.

MCIF55E INVALID KEYWORD FOUND: `keyName`

**Explanation:**
The data entered with transaction CTMO/CTMC contain the invalid keyword `keyName`.

Valid keywords are:
The CTMCICT program, which is invoked by transaction CTMO/CTMC, stops executing.

**Corrective Action:** Correct the input data and reenter the transaction.

**MCIF56E VALUE MISSING FOR KEYWORD keyName**

**Explanation:** The data entered with transaction CTMO/CTMC contain keyword `keyName` with no following value.

The CTMCICT program, which is invoked by transaction CTMO/CTMC, stops executing.

**Corrective Action:** Correct the input data and re-enter the transaction.

**MCIF57E INVALID VALUE FOUND: keyName= val**

**Explanation:** The data entered with transaction CTMO/CTMC contain an invalid value, following keyword `keyName`.

The value found was invalid for the keyword for which it was specified.

The CTMCICT program, which is invoked by transaction CTMO/CTMC, stops executing.

**Corrective Action:** Correct the input data and re-enter the transaction.

**MCIF59E CTMCICT PROCESSING ERROR: EIBFN= func EIBRCODE= err ABEND= abCode**

**Explanation:** The CTMCICT program failed due to an internal error.

The CTMCICT program is invoked by transactions CTMO/CTMC to perform open/close functions.

Where the error occurred as a result of an EXEC CICS command, `func` indicates the function code, and `err` indicates the error code.

In the case of a program check, `abCode` indicates the CICS abend code.

A CICS transaction dump is produced.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**MCIF60I FILE PROCESSING COMPLETE**

**Explanation:** This information message indicates that the CTMCICT program, which is invoked by transactions CTMO/CTMC to perform open/close functions, completed processing successfully.

**Corrective Action:** No action is required.
MCI F66E COMMAND INVALID

**Explanation:** The command specified was not recognized by the CTMCIDS program, which is invoked by transaction CTM3.

Valid commands are:
- M (List Commands)
- K (Keys)
- U (Up)
- D (Down)
- P (Process)
- R (Reset)

**Corrective Action:** Enter a valid command.

MCI F67E DISP "SHR" OR "OLD" MAY BE SPECIFIED

**Explanation:** An invalid value was entered in the disposition field of the file menu displayed by transaction CTM3.

Valid values are:
- SHR
- OLD

**Corrective Action:** Enter a valid value.

MCI F68I PROCESSING REQUEST CANCELLED

**Explanation:** This information message indicates that a processing request was cancelled as a result of a user entering the R (Reset) command or pressing PF06.

A request was entered in the file menu displayed by transaction CTM3, to open or close a Control-M file. However, the request was subsequently cancelled by the user.

All processing requests are cancelled, and the display is cleared of any outstanding file commands.

**Corrective Action:** No action is required.

MCI F69I COMMANDS: U UP, D DOWN, P PROCESS, R RESET

**Explanation:** This information message is displayed in the Control-M CICS file Management Facility Menu, as the result of the M (List Commands) command being entered by the user to request a list of valid commands.

**Corrective Action:** No action is required.

MCI F70E PROGRAM CTMCIOC DISABLED OR NOT DEFINED IN CICS

**Explanation:** The CTMCIDS program failed to link to the CTMCIOC program because the program was disabled or was not defined in the CICS tables.
The CTMCIUS program processes open/close requests for Control-M files defined in table CTMCITB by means of a link to the CTMCIOC program.

The CTMCIUS program stops executing.

**Corrective Action:** Check that the CTMCIOC program is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CICSSAMP library.

**MCIF71E CTMCIDS PROCESSING ERROR:** EIBFN= func EIBRCODE= err ABEND= abCode

**Explanation:** The CTMCIUS program failed due to an internal error.

The CTMCIUS program scans the open or close status of CICS files defined for Control-M, and updates any changed status in the IOA Conditions file.

Where the error occurred as a result of an EXEC CICS command, func indicates the function code, and err indicates the error code.

In the case of a program check, abCode indicates the CICS abend code.

The CTMCIUS program stops executing and a CICS transaction dump is produced.

**Corrective Action:** Check the dump and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

**MCIF72E PROGRAM CTMCIDS INITIALIZATION ERROR**

**Explanation:** The CTMCIUS program failed due to an internal error.

The CTMCIUS program failed to calculate the number of entries per display due to invalid data in the Temporary Storage Queue containing the Control-M file information.

The CTMCIUS program stops executing.

**Corrective Action:** Delete the Control-M files Temporary Storage Queue and re-enter the transaction. If the problem persists, contact BMC Software Customer Support.

**MCIF73I ENTRIES TO BE PROCESSED:** num. PRESS PF5 TO PROCESS ENTRIES

**Explanation:** This information message indicates that as a result of one or more requests to open/close Control-M files being entered in the file menu displayed by transaction CTM3, the num entries indicated in the message are to be processed.

The message indicates the total number of files to be processed, which may be greater than the number of individual entries selected as a result of groups being specified for processing.

**Corrective Action:** Press PF05 to continue processing or PF06 to cancel the request.

**MCIF74E INVALID OPTION SPECIFIED**

**Explanation:** An invalid line command was entered in the Control-M CICS file Management Facility Menu.

Valid line commands consist of two characters as follows:
INCONTROL for z/OS Messages Manual

- First character O (open) or C (close).
- Second character D (DD name), S (data set name), or G (group).

**Corrective Action:** Enter a valid line command.

**MCIF76E CONFLICTING OPTIONS SPECIFIED**

**Explanation:** The CTMCI DS program, which is invoked by transaction CTM3, detected that conflicting line commands were entered in the Control-M CICS file Management Facility Menu.

Both C (close) and O (open) commands were specified for a number of entries using the group option. Two or more files were found to have conflicting processing requests.

**Corrective Action:** Remove the conflicting commands and re-enter the request.

**MCIF77E FILE LIST HAS BEEN ALTERED - RE-ENTER TRANSACTION**

**Explanation:** The Temporary Storage Queue containing the Control-M file list has been updated since the last time ENTER was pressed in the Control-M CICS file Management Facility Menu.

The menu displayed is no longer up-to-date and therefore user requests cannot be processed.

The current user requests will not be processed.

**Corrective Action:** End the current transaction and re-enter the transaction in order to display the updated file status.

**MCIF78I TOP OF DATA**

**Explanation:** This information message appears in the Control-M CICS file Management Facility Menu to indicate that the beginning of the file list has been reached as a result of scrolling up using PF7.

**Corrective Action:** No action is required.

**MCIF79I BOTTOM OF DATA**

**Explanation:** This information message appears in the Control-M CICS file Management Facility Menu to indicate that the end of the file list has been reached as a result of scrolling down using PF8.

**Corrective Action:** No action is required.

**MCIF80I CONTROL-M FILE DISPLAY PROCESSING ENDED**

**Explanation:** This information message indicates that PF03 has been pressed in the Control-M CICS file Management Facility Menu, in order to end the CTM3 transaction.

**Corrective Action:** No action is required.

**MCIF81E I/O ERROR ON TEMPORARY STORAGE FILE**

**Explanation:** An I/O error occurred while attempting to read the CICS Temporary Storage file.

This error message is issued by the CTMCI DS program, which is invoked by transaction CTM3, and which reads the Temporary Storage file in order to obtain the list of CICS files defined for Control-M in table CTMCITB.

The error may be due to one of the following:
INCONTROL for z/OS Messages Manual

- invalid record size
- CICS customization error
- file corruption

The CTMCIDS program stops executing.

**Corrective Action:** Check the status of the Temporary Storage file and, if possible, correct the problem. If the error persists, contact BMC Software Customer Support.

**MCIF82E STORAGE NOT AVAILABLE TO PROCESS REQUEST**

**Explanation:** Insufficient DSA storage was available for the CTMCIDS program to process the user request.

This error message is issued by the CTMCIDS program, which is invoked by transaction CTM3. The CTMCIDS program stops executing.

**Corrective Action:** Retry the transaction, and if the error persists, contact your CICS system programmer.

**MCIF83I NO ENTRIES FOUND TO PROCESS**

**Explanation:** This information message indicates that PF05 was pressed in the Control-M CICS file Management Facility Menu, in order to request processing of files, but no O (open) or C (close) line commands were found.

**Corrective Action:** No action is required.

**MCIF84I FILE PROCESSING COMPLETE**

**Explanation:** This information message indicates that all requests for open or close of files, as specified in the Control-M CICS file Management Facility Menu, have been processed. Each file entry contains a message indicating whether or not processing was successful.

**Corrective Action:** No action is required.

**MCIF85I ENTRY SELECTED FOR PROCESSING**

**Explanation:** This information message appears in the Control-M CICS file Management Facility to indicate entries which were selected for processing.

The entries may have been selected either by specification of O (Open) or C (Close) next to the entry, or as a result of a specification being made for the file group to which the entry belongs.

**Corrective Action:** No action is required.

**MCIF86I PFKEYS: PF03 END, PF05 PROCESS, PF06 CANCEL, PF07 UP, PF08 DOWN**

**Explanation:** This information message is displayed in the Control-M CICS file Management Facility Menu, as a result of the K (Keys) command being entered by the user to request a list of PF key functions.

**Corrective Action:** No action is required.
Messages MCIJ 00 through MCIJ xx

This group includes messages for the IOA (infrastructure) product.

MCIJ 61E TRANSACTION \textit{transid} NOT DEFINED IN CICS

\textbf{Explanation}: The CTMCIDN program failed to start transaction \textit{transid} because the transaction was disabled or was not defined in the CICS tables.

The CTMCIDN program starts transaction \textit{transid} (the CTMCIST program) in order to add a CICS-DOWN condition to the IOA Conditions file.

The CTMCIDN program stops executing.

\textbf{Corrective Action}: Check that transaction \textit{transid} is enabled, and that it is correctly defined in the CICS PPT. For more information, refer to the installation instructions in the IOA CLCSSAMP library.

MCIJ 62E SECURITY CHECK FAILED FOR TRANSACTION START \textit{transid}

\textbf{Explanation}: The CTMCIDN program could not start transaction \textit{transid} because the necessary security authorization was not available.

The CTMCIDN program starts transaction \textit{transid} (the CTMCIST program) to write a CICS-DOWN condition in the IOA Conditions file.

The CTMCIDN program stops executing, and the CICS-DOWN condition is not added.

\textbf{Corrective Action}: Contact your CICS system programmer to define the correct security level in the CICS PCT entry of the started transaction using the RSL parameter.

MCIJ 63E CTMCIDN PROCESSING ERROR: EIBFN= \textit{func} EI BRCODE= \textit{err} ABEND= \textit{abCode}

\textbf{Explanation}: The CTMCIDN program failed due to an internal error.

The CTMCIDN program is invoked in order to add a CICS-DOWN condition to the IOA Conditions file.

Where the error occurred as a result of an EXEC CICS command, \textit{func} indicates the function code, and \textit{error} indicates the error code.

In the case of a program check, \textit{abend} indicates the CICS abend code.

The CTMCIDN program stops executing.

\textbf{Corrective Action}: Check the abend code specified in the message and any relevant messages in the system log. If the problem is related to CICS customization, or to storage violations as a result of user transactions, correct the problem. Otherwise, contact BMC Software Customer Support.

MCIJ 64E PROGRAM CTMCIOC DISABLED OR NOT DEFINED IN CICS

\textbf{Explanation}: The CTMCIDN program failed to link to the CTMCIOC program because the program was disabled or was not defined in the CICS tables.

The CTMCIDN program is optionally invoked during CICS shutdown processing in order to close all Control-M files defined in table CTMCITB. The program attempted to link to the CTMCIOC program in order to process the requests.
The CTMCIDN program stops executing.

**Corrective Action:** Check that the CTMCIOC program is enabled, and that it is correctly defined in the CICS PPT. For more information, please refer to the installation instructions in the IOA CI CSSAMP library.

MCIJ65E INVALID DATA RETURNED IN COMMAREA OF LINK TO ROUTINE CTMCIOC

**Explanation:** An invalid table address was returned to the CTMCIDN program.

The CTMCIDN program, which is optionally invoked during CICS shutdown processing to close all Control-M files defined in table CTMCITB, links to the CTMCIOC program to process the request. When processing is requested for more than one file, diagnostic messages for each file are returned to the CTMCICT program in a table pointed to by an address in COMMAREA.

The CTMCIDN program stops.

**Corrective Action:** Check the CICS job log for additional messages which may indicate the cause of the problem. If necessary, contact BMC Software Customer Support for assistance.

MDT messages

This group includes messages for the IOA (infrastructure) product.

Messages MDT100 through MDT1xx

This group includes messages for the IOA (infrastructure) product.

**MDT130E modName - REASON: DEVICE deviceId IS NOT ASSIGNED TO THIS MEDIA**

**Explanation:** An attempt was made to reference device deviceId, which currently is not assigned to media mediaName. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** For more details, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide. Issue a DISPLAY command to obtain information about each media and its resources that are known to the IOA Archive Server. Reissue the MODIFY operator command with the correct deviceId number.

**MDT131E mediaName - REASON: DEVICE deviceId ALREADY INACTIVE**

**Explanation:** An attempt was made to stop device deviceId, which is currently inactive. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** No action is required.
MDT132E mediaName - REASON: DEVICE deviceId ALREADY ACTIVE

Explanation: An attempt was made to start device deviceId, which is currently active.

This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: No action is required.

MDT133W mediaName - nn CYCLES PERFORMED WHILE WAITING FOR DEVICE INITIALIZATION TO BE COMPLETED

Explanation: Highlighted, unrollable message.

Media mediaName cannot complete the initialization phase.

During initialization, the media waits for devices which have been started to complete their initialization process. No responses were received from these devices. Each “cycle” is one IOA Archive Server sleeping interval whose value (in hundredths of a second) is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The initialization of media mediaName is not completed.

Corrective Action: Check the IOA Log file and the system log for the cause of the problem. If media mediaName waits a long time for devices to complete initialization and the reason for the delay cannot be determined, issue a CANCEL operator command to stop the IOA Archive Server. Start the IOA Archive Server again. If the problem is not resolved, contact BMC Software Customer Support.

MDT134E mediaName - MEDIA SHUT DOWN - INITIALIZATION OF ALL DEVICES FAILED

Explanation: The initialization process for all devices assigned to media mediaName failed.

Media mediaName is terminated and becomes unavailable for use by the IOA Archive Server.

Corrective Action: Check the IOA Log file and system log for messages about the initialization failure. Issue an operator command to restart media mediaName. If the problem is not resolved, contact BMC Software Customer Support.

MDT135W mediaName - nn CYCLES PERFORMED WHILE WAITING FOR DEVICE TO TERMINATE

Explanation: Highlighted, unrollable message.

Media mediaName cannot complete the termination phase.

During termination, media mediaName waits for devices to terminate. Each “cycle” is one IOA Archive Server sleeping interval whose value (in hundredths of a second) is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The termination of media mediaName is not completed.
Corrective Action: Check the IOA Log file and the system log for the cause of the problem. If media mediaName waits a long time for devices to complete termination and the reason for the delay cannot be determined, issue a CANCEL operator command stop the IOA Archive Server. If the problem is not resolved, contact BMC Software Customer Support.

MDT136E mediaName - REASON: LENGTH OF DEVICE NUMBER IN DEVICE= deviceId IS INCORRECT

Explanation: The DEVICE parameter was specified with an invalid length. The length of the DEVICE parameter in the MODIFY operator command should be:

- Three digits for MVS/SP4 and below
- Four digits for MVS/SP5 and above

This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: Reissue the MODIFY command with a correct DEVICE parameter.

MDT137E mediaName - COMMAND FAILED cmdText

Explanation: An invalid command or parameter was passed to media mediaName by a MODIFY operator command. This message is followed by other messages that clarify why the operator command failed.

The MODIFY command is not executed.

Corrective Action: Check the system log for a message that indicates why the command failed. Correct the problem, and reissue the MODIFY operator command.

MDT138E mediaName - REASON: PARAMETER IS INVALID

Explanation: An invalid parameter was passed to media mediaName by the MODIFY operator command. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: For more information, refer to the section on the IOA Archive Server in the Control-D and Control-V User Guide. Enter a MODIFY command with valid parameters.

MDT139I mediaName - MEDIA SHUT DOWN UPON REQUEST FROM OPERATOR

Explanation: This information message indicates that media mediaName is shutting down upon the operator’s request.

Corrective Action: No action is required.
MDT13AI mediaName - MEDIA SHUT DOWN UPON REQUEST OF MAIN TASK

Explanation: This information message indicates that media mediaName is shutting down upon the IOA Archive Server’s request.

Possible causes are:

- The IOA Archive Server is shutting down due to operator request.
- The IOA Archive Server encountered an unrecoverable error.

The IOA Archive Server shuts down the media before it shuts down. The IOA Log file and system log should contain additional messages concerning the situation.

Media mediaName shuts down.

Corrective Action: Check the IOA Log file and system log for messages explaining the situation. Contact the system programmer for assistance, if needed.

MDT13BE mediaName - REASON: VALUE SPECIFIED IN DEVICE= PARAMETER IS INVALID

Explanation: The DEVICE parameter was specified in a MODIFY operator command without specifying its value. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

MODIFY is not executed.

Corrective Action: For more information, refer to the section on the IOA Archive Server in the Control-D and Control-V User Guide. Reissue the MODIFY command with a valid DEVICE parameter.

MDT13DE mediaName - REASON: DEVICE= PARAMETER IS INVALID FOR DYNAMIC DEVICES

Explanation: An attempt to start a specific device by operator command failed because the devices used by the IOA Archive Server are allocated dynamically. This message follows message IOA137E/MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

MODIFY is not executed.

Corrective Action: For more information about how to control the device, refer to the section on media and resource management in the Control-D and Control-V User Guide. Reissue the MODIFY command with appropriate parameters.

MDT13FW mediaName - REASON: ALL DEVICES ARE ALREADY ACTIVE

Explanation: An attempt to start one or more devices by issuing a MODIFY operator command failed, because all devices were already active.

This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command. The operator cannot increase the number of devices the IOA Archive Server can use to more than the maximum quantity defined in the IOASPRM member in the IOA Archive Server Installation Parameters.

The MODIFY command is not executed.
Corrective Action: Issue a DISPLAY command to get information about each media and its resources that are allocated to the IOA Archive Server. For more information about how to control devices, refer to the section on media and resource management in the Control-D and Control-V User Guide.

MDT140S mediaName - BLDL/ATTACH/LOAD FAILED FOR THE MODULE modName

Explanation: Initialization of the mediaName media failed. Possible causes are:

- The Control-V LOAD library is not in the load modules search list (STEPLIB + LinkList).
- Insufficient memory is available to attach the task.
- The modName module is not in the LOAD library.

The IOA Archive Server shuts down.

Corrective Action: Check the system log for additional messages which clarify the situation. Try one of the following:

- If the attach failed because of lack of memory, increase the REGION size in the IOA Archive Server procedure.
- If the modName module does not exist in the IOA LOAD library, contact BMC Software Customer Support.

MDT141I mediaName - INITIALIZATION STARTED

Explanation: This information message indicates that media mediaName has started and is building the required internal environment.

Corrective Action: No action is required.

MDT142I mediaName - INITIALIZATION SUCCESSFULLY COMPLETED

Explanation: This information message indicates that media mediaName was successfully initialized.

Corrective Action: No action is required.

MDT143W mediaName - REASON: ALL DEVICES ARE ALREADY INACTIVE

Explanation: An attempt to stop one or more devices by issuing a MODIFY operator command failed, because all the devices were already inactive. This message follows message IOA137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: For more information, refer to the section on the IOA Archive Server in the Control-D and Control-V User Guide. Issue a DISPLAY command to get information about each media and its resources that are allocated to the IOA Archive Server.

MDT144S mediaName - INSUFFICIENT STORAGE FOR INITIALIZATION

Explanation: Highlighted, unrollable message.
Insufficient memory is available to initiate media *mediaName*. Media *mediaName* shuts down. The IOA Archive Server shuts down.

**Corrective Action:** Increase the IOA Archive Server REGION size.

**MDT145E mediaName** - FREEMAIN ERROR ENCONERRED

**Explanation:** Highlighted, unrollable message.

Media *mediaName* encountered an internal error.

The media *mediaName* task terminates with user abend 0007. The IOA Archive Server terminates with user abend code 0006. The output includes a dump of the abend.

**Corrective Action:** Contact your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

**MDT146E mediaName** - MEDIA INITIALIZATION FAILED

**Explanation:** Highlighted, unrollable message.

Media *mediaName* encountered an internal error.

This message is preceded by other messages which clarify the situation.

Media *mediaName* shuts down.

**Corrective Action:** Check the IOA Log file and the system log for messages describing the error. Contact your system programmer for assistance, if needed. If the problem is not resolved, contact BMC Software Customer Support.

**MDT147S mediaName** - INTERNAL ERROR DURING INITIALIZATION - MEDIA INITIALIZATION FAILED

**Explanation:** Highlighted, unrollable message.

Media *mediaName* encountered an internal error.

Media *mediaName* abends with user abend 0007. The IOA Archive Server shuts down with User Abend 0006. The output includes a dump of the abend.

**Corrective Action:** Contact your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

**MDT148S mediaName** - INTERNAL ERROR RC=rc

**Explanation:** Media *mediaName* encountered an internal error.

One of the following actions occurs, depending on severity of the internal error:
- Media `mediaName` terminates and IOA Archive Server continues processing.
- Media `mediaName` abends with user abend 0007. The IOA Archive Server terminates with User Abend 0006. The output includes a dump of the abend.

**Corrective Action:** Check the IOA Log file and system log for messages describing the error. Contact your system programmer for assistance. If the problem is not resolved, report the value of `rc` to BMC Software Customer Support.

**MDT149E** `mediaName` - REASON: COMMAND IS INVALID

**Explanation:** An invalid command was passed to media `mediaName` by the MODIFY operator command. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** For more information, refer to the section on the IOA Archive Server in the Control-D and Control-V User Guide. Enter a valid MODIFY command.

**MDT14AE** `mediaName` - REASON: VALUE SPECIFIED IN DEVQTY= PARAMETER IS INVALID

**Explanation:** An invalid value was specified for the DEVQTY parameter. This message follows message IOA137E or MDT137E, which indicates that operator command MODIFY failed and contains the text of the failed command. Possible causes are:

- The value for the DEVQTY parameter is missing in the MODIFY operator command.
- The length of the DEVQTY parameter exceeds the maximum allowable length.
- The value of the DEVQTY parameter is invalid. Valid values are numeric or the character string ALL.
- The value of the DEVQTY parameter is greater than the maximum quantity defined in the IOASPRM member in the IOA Archive Server Installation Parameters.
- The value of the DEVQTY parameter is greater than the number of active devices allocated to the IOA Archive Server.

The MODIFY command is not executed.

**Corrective Action:** For more information, refer to the section on the IOA Archive Server in the Control-D and Control-V User Guide. Issue a DISPLAY command to get information about each media and its resources that are allocated the IOA Archive Server. Reissue the MODIFY command with a valid DEVQTY parameter.

**MDT14BE** `mediaName` - LOCATE ERROR FOR `dsn` RC= `rc`

**Explanation:** A CDAM data set cannot be found in the catalog.

The user requested a report which resides on a CDAM file which is uncataloged or does not exist. The request is ignored.

**Corrective Action:** Catalog the file or take other corrective action and try again.
MDT14CI mediaName - MEDIA SHUTTING DOWN

Explanation: This information message indicates that media mediaName is shutting down.
Corrective Action: No action is required.

MDT14DS mediaName - DEVICE deviceId ABENDED

Explanation: A media internal subtask abended.
Media mediaName issues an implicit start command for device deviceId. Attempts are made to initialize this device and continue normal processing. If these attempts fail, media mediaName sets the status of the designated device to never active and this device becomes unavailable for use by the IOA Archive Server.
Corrective Action: Check the IOA Log file and system log for additional messages which indicate why device deviceId abended.

MDT14ES mediaName - PARAMETER DEVADDR NUMBER num DEFINED IN IOASPRM INSTALLATION PARAMETERS IS INVALID

Explanation: The DEVADDR parameter contains an invalid value.
The format of the device number specified in the DEVADDR parameter in the IOASPRM member (IOA Archive Server Installation Parameters) must be:
- three digits for MVS/SP4 and below
- four digits for MVS/SP5 and above
Initialization of media mediaName fails. The IOA Archive Server shuts down with a return code of 08.
Corrective Action: Set the DEVADDR parameter to a valid numeric value and restart the IOA Archive Server.

MDT14FI mediaName - ALL DEVICES WERE DEFINED AS INACTIVE IN IOASPRM INSTALLATION PARAMETERS

Explanation: This information message indicates that media mediaName is inactive because all devices which belong to it are defined as inactive in the IOASPRM member (IOA Archive Server Installation Parameters).
Corrective Action: If necessary, issue operator MODIFY commands to start the media and the devices.

MIG messages

This group includes messages for the Control-M/Tape product.

Messages MIG500 through MIG5xx

This group includes messages for the Control-M/Tape product.
MIG5ABW DSNLENF= dsnLength TAPELENF= tapeLength TAPELEFT= unusedLength

**Explanation:** This message is generated in the event of an unexpected tape switch or a short cartridge. This message follows message MIG5B7W and provides the information listed below:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>dsnLength</td>
<td>Length in feet of the data set being written when the unexpected tape switch occurred.</td>
</tr>
<tr>
<td>tapeLength</td>
<td>Length of the tape in feet (taken from IOASPRM).</td>
</tr>
<tr>
<td>unusedLength</td>
<td>Estimated free space on the tape in feet when the unexpected tape switch occurred.</td>
</tr>
</tbody>
</table>

The file is continued on the next tape and becomes a multivolume file. Subsequent files of this migration job will be written to a new scratch volume.

**Corrective Action:** Check the values provided in this message and determine a new value for tape length in the IOASPRM member.

MIG5ACE ERROR INITIALIZING INPUT MEDIA mediaName

**Explanation:** Initializing an input media for multistage migration failed. The attempt to initialize media `mediaName`, in order to copy files from it to the target media, failed. Files that should have been copied from this input media to the target media are skipped. Subsequent files are processed.

**Corrective Action:** Check other messages received in the migration job to determine the cause for the failure. Fix the problem and reorder or rerun the migration mission.

MIG5ADE ERROR TERMINATING INPUT MEDIA mediaName

**Explanation:** The process of terminating media `mediaName` for multistage migration failed. This media is the input media for the migration job. Subsequent files in the migration job are processed.

**Corrective Action:** Check other messages received in the migration job to determine the cause for the failure. Fix the problem and reorder or rerun the migration mission.

MIG5AEE ERROR ALLOCATING MIGRATED FILE fileName

**Explanation:** A file that should be moved to another media could not be allocated. A failure occurred while attempting to allocate an input media file. Subsequent files in the migration job are processed.

**Corrective Action:** Check other messages generated by the migration job to determine the cause for the failure. Fix the problem and reorder or rerun the migration mission.
INCONTROL for z/OS Messages Manual

MIG5AFE ERROR OPENING MIGRATED FILE fileName

Explanation: A file that should be moved to another media could not be opened.
A failure occurred while attempting to open an input media file.
Subsequent files in the migration job are processed.

Corrective Action: Check other messages generated by the migration job to determine the cause for the failure. Fix the problem and reorder or rerun the migration mission.

MIG5AGE ERROR CLOSING MIGRATED FILE fileName

Explanation: A file that should be moved to another media could not be closed.
A failure occurred while attempting to close an input media file.
Subsequent files in the migration job are processed.

Corrective Action: Check other messages generated by the migration job to determine the cause for the failure. Fix the problem and reorder or rerun the migration mission.

MIG5AHE ERROR READING MIGRATED FILE fileName

Explanation: A file that should be moved to another media could not be read.
A failure occurred while reading an input media file.
The migration of file filename is stopped. Subsequent files in the migration job are processed.

Corrective Action: Check other messages generated by the migration job to determine the cause for the failure. Fix the problem and reorder or rerun the migration mission.

MIG5AJE ERROR CALLING CTVFNM - MI GDSNAME dsn, RC: rc

Explanation: A failure occurred in a routine used for scanning migrated file names.
This message indicates that an internal error has occurred.
The file to be migrated, dsn, is skipped and subsequent files are processed.

Corrective Action: Record the return code and notify BMC Software Customer Support.

MIG5ALE INVALID FUNCTION CODE SPECIFIED FOR CTVAMIG

Explanation: Routine CTVAMIG received an invalid function code.
This message indicates that an internal error has occurred.
The migration job continues processing but does not use “continuous migration”. A scratch volume is used for files migrated in this migration job.

Corrective Action: Notify BMC Software Customer Support. Reorder or rerun the migration mission.

MIG5AME CTVAMIG TERMINATED WITH ERROR. RC: rc

Explanation: A failure occurred in routine CTVAMIG.
Routine CTVAMIG reads and updates migration stages in sequence without skipping a stage.
The migration job continues processing but does not use “continuous migration”. A scratch volume is used for files migrated in this migration job.

**Corrective Action:** Check other messages generated by the migration job to determine the cause for the failure. Fix the problem and rerun or reorder the migration mission.

**MIG5ANI UNABLE TO ALLOCATE TAPE VOLUME volser; SCRATCH TAPE WILL BE USED INSTEAD**

**Explanation:** This information message indicates that an attempt to allocate a tape volume in order to perform continuous migration failed.

The migration job attempted to allocate a specific volume that was used in a previous migration job in order to add files migrated by the current migration job after the last file on the volume.

A scratch volume is allocated for the files migrated by current migration job.

**Corrective Action:** Check other messages to determine the cause for the failure.

**MIG5API DAMIG DD STATEMENT MISSING - FOR OLD MIG SKELETONS - A NEW VOLUME WILL BE USED FOR EACH MIG RUN**

**Explanation:** This information message indicates that a DD statement for the migrated user file is missing.

For each migration mission, a record that specifies information about continuous migration is saved in the migrated user file. This information enables files migrated by the current migration job to be written in the same volume used by a previous migration job for the same migration mission.

Continuous migration is not performed. Files migrated by the current migration job are written to a new scratch volume.

**Corrective Action:** Add DAMIG and DAMIGI DD statements for the migrated user file in migration job step MIGRAT.

**MIG5B0E OPTFILE= dsn - FDB REWRITE FAILED**

**Explanation:** The migration process failed while rewriting the File Description Block (FDB).

During the migrate-to-disk process, several extents may be written. After writing the last extent, the FDB is rewritten to the first extent.

All migrated file extents are deleted. The migration for this CDAM terminates with an error.

**Corrective Action:** Determine the cause of the rewrite failure and rerun the migration job.

**MIG5B1I INDEX= dsn - MIGRATION ENDED OK VOL= vol PLTID= platterId**

**Explanation:** This information message indicates that the dsn index migrated successfully.

The message identifies the volume serial number and, for OSS migration, the platter ID to which the index migrated. This message is issued for each index file.

**Corrective Action:** No action is required.
**INCONTROL for z/OS Messages Manual**

**MIG5B2I INDEX= dsn - HAS ALREADY BEEN MIGRATED VOL= volser PLTID= platterId**

**Explanation:** This information message indicates that the dsn index has previously migrated to the same target media.

This message identifies the volume serial number and, for OSS migration, the platter ID to which the index migrated.

Any previously unfinished action relating to this index migration is performed now.

**Corrective Action:** No action is required.

**MIG5B3S DEVTYPE FAILED FOR DDNAME ddName, RC = rc**

**Explanation:** A tape migration job failed to obtain the device type of the file.

The macro DEVTYPE for the DDOPT DD statement failed. This macro is used after a file is written to tape so that the device type can be used for cataloging the file. The return code is the hexadecimal return code in register 15 from the DEVTYPE macro.

The migration process is terminated.

**Corrective Action:** Record the return code. Consult your system programmer. If necessary, contact BMC Software Customer Support.

**MIG5B4E CATALOGING dsn FAILED, RC: rc**

**Explanation:** Tape migration failed to catalog the migrated file. The return code is the hexadecimal return code in register 15 from the CATALOG macro.

This CDAM data set is not migrated. The migration process continues to migrate other CDAM files.

**Corrective Action:** Record the values of dsn and rc. Contact BMC Software Customer Support.

**MIG5B5S IOAT2A FAILED IN JFCBEXAD TRANSLATION - RC: rc**

**Explanation:** Tape migration failed to get the J FCB extension.

Routine IOAT2A, which translates JBCBEXAD from token to address, received return code rc.

This CDAM data set is not migrated. The migration process continues to migrate other CDAM files.

**Corrective Action:** Record the return code. Contact BMC Software Customer Support.

**MIG5B6S IOASLOS - SORT ENDED WITH RC OTHER THAN 0**

**Explanation:** OSS migration failed to build platter and volume tables using routine IOASLOS.

Routine IOASLOS failed to sort platter and volume tables.

The migration process is terminated.

**Corrective Action:** Check the migration skeleton job. If you cannot resolve the problem, contact BMC Software Customer Support.
MI G5B7W AN UNEXPECTED TAPE SWITCH HAS OCCURRED - CHECK LENGTH OF TAPE DEFINITION IN IOASPRM

**Explanation:** The migrated file expanded to another tape volume.

A file that was expected to fit on one volume, or in the space available on the current volume, has expanded to another volume.

**Corrective Action:** Check the tape length definition in the IOASPRM member. If it is too short, specify the correct length. If hardware compression is utilized, the actual compression factor may be lower than the estimated compression factor.

MI G5B8S INVALID RC FROM CTVTPCP - UNABLE TO CALCULATE DATASET LENGTH IN FEET

**Explanation:** Routine CTVTPCP, which calculates tape lengths, returned a non-zero return code.

Tape migration failed to calculate the data set’s length on tape.

The migration process is terminated.

**Corrective Action:** Record the return code. Contact BMC Software Customer Support.

MI G5B9E UNABLE TO MIGRATE dsn - HAS MORE THAN 32767 BLOCKS

**Explanation:** The number of CDAM blocks exceeds 32767.

The OSS migration process cannot migrate files which contain more than 32767 blocks.

This CDAM data set is not migrated. The migration process continues to migrate other CDAM files.

**Corrective Action:** Reduce the report size or divide the report so that the number of CDAM blocks required does not exceed 32767.

MI G5BAS PARM IS OMITTED - PLEASE SPECIFY REQUIRED PARAMETERS

**Explanation:** The PARM parameter is not specified in the migration job.

The user must specify a media name and prefix or the keyword “NOCHECK”.

The migration process is terminated.

**Corrective Action:** Add the PARM parameter and specify a media name and prefix or the keyword NOCHECK.

MI G5BB5 INVALID MEDIA = mediaName WAS SPECIFIED IN PARM - CALL ADMINISTRATOR

**Explanation:** The migration process received an invalid media name in the PARM field.

The media name should be specified in the NAME parameter of the IOASPRM member in the IOA PARM library.

The migration process is terminated.

**Corrective Action:** Change the IOASPRM member or the migration skeleton job so a valid media name is specified in the migration job.
MIG5BCI MIGRATION STARTED FOR MEDIA = mediaName

Explanation: This information message indicates that the migration process has started.
Corrective Action: No action is required.

MIG5BDE AN INVALID TAPE WAS ALLOCATED FOR MIGRATION

Explanation: The OPT file was successfully allocated and opened, but RDJ FCB for a migrated file failed or no volumes were found in the J FCB.
This CDAM data set is not migrated. The migration process continues to migrate other CDAM files.
Corrective Action: Ask your system programmer to contact BMC Software Customer Support.

MIG5BEE AN ERROR OCCURRED FOR ONE OR MORE OF THE CDAM EXTENTS OR AN INDEX FILE

Explanation: An error occurred while writing a CDAM extent or an index file.
Possible causes include:
- A failure to dynamically allocate the CDAM extent or index file for a read.
- A failure to write an optical file.
This CDAM data set or index is not migrated. The migration process continues to migrate other CDAM files and indexes.
Corrective Action: Check the job’s system log and SYSPRINT for error messages. Correct the problem and resubmit the migration job.

MIG5BFI PLATTER platterId SIDE x HAS AVAILABLE SPACE, BUT NO VOLUME IS AVAILABLE - PLEASE DEFINE MORE VOLS

Explanation: This information message indicates that OSS migration found a platter side with enough space for the CDAM file but no volume was available.
The migration process could not allocate the file on platter platterId because no empty volume was available.
Another platter or side is used.
Corrective Action: Define more volumes for platter platterId side x so that it can be used for migration.

MIG5C0S CANNOT ALLOCATE DEVICE: deviceId

Explanation: The OSS device could not be obtained for OSS migration, or the tape drive could not be allocated for tape migration.
The CTVSRVD program must execute before OSS migration to ensure that the IOA Archive Server releases the first device defined for OSS. A tape drive must be allocated for tape migration.
The migration process is terminated.
**Corrective Action:** For OSS migration, ensure the CTVSRVD program executes before the migration step. For tape migration, check if the device is available for allocation. If no error is discovered, contact BMC Software Customer Support.

**MIG5C1E INVALID INPUT - FILE NAME MUST BE FOLLOWED BY BLANK**

**Explanation:** The migration process did not identify the file name. A blank is expected at the end of the file name on the SYSIN DD statement. The migration process is terminated.

**Corrective Action:** Check the migration skeleton job for an error in the SYSIN data set definition. If no error is found, contact BMC Software Customer Support.

**MIG5C2E LOCATE ERROR FOR FILE dsn - FILE SKIPPED**

**Explanation:** The migration process encountered a data set that could not be located. A CDAM extent or index file was not cataloged. The entire CDAM data set or index file is not migrated. Other data sets continue to migrate.

**Corrective Action:** Correct the problem and rerun the Migration Mission.

**MIG5C3E OBTAIN FAILED FOR FILE dsn - FILE SKIPPED**

**Explanation:** A file could not be obtained on the device to which it was cataloged. The migration process uses LOCATE and OBTAIN macros to get file attributes. The OBTAIN macro failed. The entire CDAM data set or index file is not migrated. Other data sets continue to migrate.

**Corrective Action:** Correct the problem and rerun the Migration Mission.

**MIG5C4E MIGRATION IS NOT ALLOWED FOR MORE THAN 5 TAPES - CDAM=dsn**

**Explanation:** The CDAM file for the dsn data set spans more than five tape volumes. Before writing each file, the migration process determines if the file will fit on a volume, based on the media capacity specified in the IOASPRM member. If the file is larger than the specified volume capacity, the migration process uses as many volumes as needed (up to a maximum of five). The CDAM file is not migrated.

**Corrective Action:** Modify the report (for example, by subdividing it into two or more reports) or the decollating mission (for example, by specifying migration to a different media) so that the migrated file will not require more than five tape volumes.

**MIG5C5E INVALID BLKSIZE OF FILE=dsn - FILE SKIPPED**

**Explanation:** The file block size is larger than 100K bytes. BLKSIZE must not exceed 100K bytes. This data set is not migrated.

**Corrective Action:** Redefine the block size and rerun the Migration Mission.
MI G5C6E TTR TO BBB CONVERSION FAILED

Explanation: A CDAM TTR could not be converted to BBB.
IOASTBT calculates the BBB of the CDAM. The conversion failed for this CDAM file.
This CDAM file is not migrated. Other CDAM files continue to migrate.
Corrective Action: Correct the problem and rerun the Migration Mission. If the problem cannot be resolved, contact BMC Software Customer Support.

MI G5C7S INVALID UNIT NAME DEFINED IN IOASPRM: unitName

Explanation: The unit name of the target media is unknown to the migration process. The TYPE parameter in the IOASPRM member contains an invalid value.
The migration process is terminated.
Corrective Action: Correct the TYPE parameter. Rerun the Migration Mission.

MI G5C8S DEVICE deviceId IS OUT OF SPACE

Explanation: No more space is available on the deviceId device.
There is no volume with enough space for this migration.
The migration process is terminated.
Corrective Action: Free space on the volumes available to the migrated files allocation. Rerun the migration mission.

MI G5C9S IOASLOS RETURNED NON-ZERO RC: rc

Explanation: The IOASLOS module failed.
OSS migration uses the IOASLOS module to load OSS platter and volume tables to memory.
The migration process is terminated.
Corrective Action: Check the OSS migration skeleton for errors and rerun the Migration Mission. If the problem persists, contact BMC Software Customer Support.

MI G5CAI CDAM= dsn - MI GRATION ENDED OK VOL= volser PLTID= platterId

Explanation: This information message indicates that a Migration Mission completed successfully.
The message identifies the volume serial number and, for OSS migration, the platter ID to which the CDAM data set migrated. This message is issued once for each CDAM extent.
Corrective Action: No action is required.

MI G5CBS OPEN OF DDNAME ddName FAILED

Explanation: The data set referenced by the ddName DD statement could not be opened.
Possible causes are:
The ddName DD statement is missing.

The data set referenced by the ddName DD statement does not exist.

The migration process is terminated.

Corrective Action: Check the migration skeleton job for errors and rerun the Migration Mission.

MIG5CCI MIGRATION OF dsn HAS STARTED

Explanation: This information message indicates that a Migration Mission started processing the CDAM data set whose name is dsn.

Corrective Action: No action is required.

MIG5CDI MIGRATION OF dsn HAS ENDED

Explanation: This information message indicates that a Migration Mission finished processing the CDAM data set whose name is dsn.

The CDAM data set migrated successfully. This message is issued once after all extents of the CDAM file have migrated.

Corrective Action: No action is required.

MIG5CEI CDAM dsn HAS ALREADY BEEN MIGRATED VOL= volser PLTID= platterId

Explanation: This information message indicates that CDAM data set dsn has already migrated to the same target media.

The message identifies the volume serial number and, for OSS migration, the platter ID to which the CDAM data set migrated. This message is issued once for each CDAM extent.

Any previously unfinished action relating to this CDAM migration is performed now.

Corrective Action: No action is required.

MIG5CFI STOP TIME FOR MIGRATION PROCESS WAS REACHED - EXITING

Explanation: This information message indicates that the time for ending the migration process has passed. The stop time defined in the MIGENDTM parameter in the IOASPRM member in the IOAPARM library prevents the migration process from interfering with online work during the day.

The migration process is terminated when the currently migrating CDAM data set finishes migrating.

Corrective Action: In the future, start the migration process earlier, or change the MIGENDTM parameter to a later time. Order the migration mission again the next night to complete the migration.

MIG5CGS ERROR IN routineName. RC IN R15: rc

Explanation: Internal routine routineName failed.

The migration process terminates with a return code of 16 in register 15.

Corrective Action: Contact BMC Software Customer Support.
MIG5CHS NO MORE ROOM ON DISKS WITH PREFIX: prefix

Explanation: An attempt to write a data set on disk failed because the data set requires more space than is available on any disk with the specified prefix.
The data set is not written or cataloged.
Corrective Action: Do one or more of the following:
- Assign the specified prefix to one or more additional disks.
- Delete unneeded data sets from disks with the specified prefix.
- Specify a different disk prefix for the data set that was not written.

MIG5CIE ERROR DELETING FILE dsn - FILE SKIPPED

Explanation: The migration job has encountered a file which could not be deleted.
The migration job could not delete a file during cleanup after an error occurred while writing a migrated file to DASD.
The file is not deleted.
Corrective Action: Determine why the delete failed. Delete the file before rerunning the migration process.

MIG5CKW MIGRATION TO ANOTHER DISK TYPE CAUSES A WASTE OF X'nnnnnnn' BYTES IN EACH TRACK

Explanation: This warning message is issued when a BLKSIZE definition causes disk space to be wasted.
The CDAM file’s BLKSIZE becomes the BLKSIZE of the migrated file. The disk migration process discovered that the migrated file BLKSIZE wastes a large number of bytes on each track.
The file is migrated.
Corrective Action: Consider redefining the CDAM file’s BLKSIZE to minimize wasted disk space after migration.

MIG5CNE ERROR WRITING FDB, RC: rc

Explanation: The Filetek storage machine WRITE function that is activated by a migration job failed.
In this message, rc is the return code from the WRITE function.
The migration job skips the problematic file and continues with the next file.
Corrective Action: Check the return code of the WRITE function against the Filetek documentation, and correct the problem accordingly.

MIG5CPE ERROR WRITING BLOCK, RC: rc

Explanation: The Filetek storage machine WRITE function that is activated by a migration job failed.
In this message, rc is the return code from the WRITE function.
The migration job skips the problematic file and continues with the next file.
**Corrective Action:** Check the return code of the `WRITE` function against the Filetek documentation, and correct the problem accordingly.

**MI G5CUE** **ERROR IN LOCATE PROCESSING IN FTK** **OPT = fileName.** **RC: rc**

**Explanation:** The migration job failed to locate a file in the Filetek storage machine.

The variables in this message are:
- `fileName` - the name of the file that the migration job is unable to locate
- `rc` - the return code from the migration job `LOCATE` function

The migration job skips the problematic file and continues with the next file.

**Corrective Action:** Check the messages the migration job issues for the locate failure, and correct accordingly.

**MI G5CVE** **START-SEARCH PROCESSING FAILED.** **OPT = fileName, RC: rc**

**Explanation:** The Filetek storage machine `START_SEARCH` function that was activated by a migration job failed.

The variables in this message are:
- `fileName` - the name of the file searched for by the migration job
- `rc` - the return code from the `START_SEARCH` function

The migration job skips the problematic file and continues with the next file.

**Corrective Action:** Check the return code of the `START_SEARCH` function against the Filetek documentation, and correct the problem accordingly.

**MI G5CWE** **END-SEARCH PROCESSING FAILED, OPT = fileName, RC: rc**

**Explanation:** The Filetek storage machine `END_SEARCH` function that was activated by a migration job failed.

The variables in this message are:
- `fileName` - the name of the file searched for by the migration job
- `rc` - the return code from the `END_SEARCH` function

The migration job skips the problematic file and continues with the next file.

**Corrective Action:** Check the return code of the `END_SEARCH` function against the Filetek documentation, and correct the problem accordingly.

**MI G5DAW** **NO. OF BLOCKS IN OBJECT = obj_num IS TOO LARGE FOR BLOCKSIZE = blksize. USE MAXIMUM OBJECT SIZE**

**Explanation:** OAM MEDIA issued a warning that the total size of the object exceeds the maximum.

The user-defined number of blocks in an object was multiplied by the block size. The result exceeded the maximum allowed size. The maximum size allowed by Control-D is 3,000,000 bytes.
- **obj_num** - the number of blocks (specified by the user) for the object
- **blksize** - the size of each block

The object size is automatically set to be the maximum possible size. This value is both a multiple of blocksize and a number less than 3,000,000.

**Corrective Action:** Consider reducing the value of the OBJSIZ parameter in IOASPRM.

**MIG5DHW IN LOCATE PROCESSING, OBJECT 0 - NOT FOUND collName**

**Explanation:** During LOCATE processing in OAM, Control-D found a collection without a first object.

IBM macro OSREQ was issued with a QUERY request to OAM on the first object in the collection. This object was not found. However, the reason code returned was other than x2C01 ("DIRECTORY ENTRY NOT FOUND").

In this message, *collName* is the name of the collection with the missing first object.

The system treats the file as an empty file. The migration attempts to re-migrate file *collName* to OAM.

**Corrective Action:** See the OAM Programmer’s Reference or the DFSMSdfp Diagnosis Reference for an explanation of this warning.

**MIG5DIS FAILED TO LOAD DSNALI MODULE OF DB2**

**Explanation:** Control-V was unable to load the DSNALI module.

The DSNALI module verifies updates to OAM files. There are two responses to an attempt to update an OAM file:

- If an OAM file is successfully updated, the migration program performs a DB2 COMMIT action.
- If an OAM file fails to update, the migration program performs an ABORT (terminates) and does not load the DSNALI module.

The migration program terminates.

**Corrective Action:** Make the DSNALI module available to Control-V. Note the error message and consult your DB2 administrator.

**MIG5E01 text**

**Explanation:** This information message is an internal message that Control-V uses to transfer information from one program to another.

**Corrective Action:** No action is required.

**MIG5E3I CLIP_ID= clipId**

**Explanation:** This information message is issued for each Centera clip created during Control-V migration to the EMC Centera storage system.

In this message, *clipId* is the name of the clip.

**Corrective Action:** No action is required.
MI G5E4E CENTERA INIT ERROR: RC= \textit{rc}, REASON CODE= \textit{rsn}

**Explanation:** Connection to EMC Centera cannot be established. This message is followed by message MI G5E9I, which issues the Centera pool value used for connection.

The variables in this message are:
- \textit{rc} - return code from the EMC Centera API.
- \textit{rsn} - reason code from the EMC Centera API.

The job terminates with a nonzero return code.

**Corrective Action:** Refer to EMC Centera documentation for a description of the received reason code.

Check the pool value printed in the accompanying MI G5E9I message. If the IP addresses are not correct, update them in parameters POOL1-POOL4 in the IOASPRM member. Then rerun the migration mission or the utility that issued this message.

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MI G5E5E CENTERA CLIP CREATE ERROR: RC= \textit{rc}, REASON CODE= \textit{rsn}, DSN= \textit{dsn}

**Explanation:** An error was detected during creation of a new EMC Centera clip for a migrated CDAM or index file.

The variables in this message are:
- \textit{rc} - return code from the EMC Centera API
- \textit{rsn} - reason code from the EMC Centera API
- \textit{dsn} - the name of the migrated dataset

The \textit{dsn} dataset is not migrated.

**Corrective Action:** Refer to the EMC Centera documentation for a description of the received reason code. If you cannot resolve the problem, contact the EMC Centera experts.

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MI G5E6E CENTERA BLOCK WRITE ERROR: RC= \textit{rc}, REASON CODE= \textit{rsn}, DSN= \textit{dsn}

**Explanation:** An error was detected while writing a block of the migrated dataset to the EMC Centera clip.

The variables in this message are:
- \textit{rc} - return code from the EMC Centera API
- \textit{rsn} - reason code from the EMC Centera API
- \textit{dsn} - the name of the migrated dataset

The \textit{dsn} dataset is not migrated.

**Corrective Action:** Refer to the EMC Centera documentation for a description of the received reason code. If you cannot resolve the problem, contact the EMC Centera experts.
INCONTROL for z/OS Messages Manual

MIG5E7E CENTERA CLIP CLOSE ERROR: RC= rc, REASON CODE= rsn, DSN= dsn

Explanation: An error was detected while closing an EMC Centera clip.
The variables in this message are:
- rc - return code from the EMC Centera API
- rsn - reason code from the EMC Centera API
- dsn - the name of the migrated dataset

The dsn dataset is not migrated.

Corrective Action: Refer to the EMC Centera documentation for a description of the received reason code. If you cannot resolve the problem, contact the EMC Centera experts.

MIG5E8E CENTERA TERMINATE ERROR- RC= rc, REASON CODE= rsn

Explanation: An error was detected during termination of the EMC Centera device.
The variables in this message are:
- rc - return code from the EMC Centera API
- rsn - reason code from the EMC Centera API

The EMC Centera connection is not terminated.

Corrective Action: Refer to the EMC Centera documentation for a description of the received reason code. If you cannot resolve the problem, contact the EMC Centera experts.

MIG5E9I POOL= pool

Explanation: This information message follows message MIG5E4E.
In this message, pool is the pool value specified in parameters POOL1-POOL4 in the IOASPRM member.

Corrective Action: No action is required.

MIG5EAI DELETE CENTERA CLIP: RC= rc, REASON CODE= rsn

Explanation: This information message is issued for each Centera clip deleted by the CTVCLMIG utility. This message is followed by message MIG5E3I, which contains the deleted clip name.
The variables in this message are:
- rc - return code from the EMC Centera API
- rsn - reason code from the EMC Centera API

Corrective Action: No action is required.
**MIG5EBE CENTERA RETENTION CLASS** `className` **READ ERROR, RC= rc, REASON CODE= rsn**

**Explanation:** A `className` error was detected while retrieving the retention period for the specified retention class. Usually this message is issued when the specified retention class does not exist in the EMC Centera definitions.

- `className` - Class name.
- `rc` - Return code from the EMC Centera API.
- `rsn` - Reason code from the EMC Centera API.

The migration job stops with a return code of 12. Files are not migrated.

**Corrective Action:** Check the specified `className` in the migration mission definition CENTERA RETENTION CLASS field. If the specified `className` is incorrect, correct it and reorder the migration mission. Otherwise contact EMC Centera technical support.

**MIG5ECE MEDIA NAME** `mediaName` **NOT FOUND IN IOASPRM**

**Explanation:** This message is issued by the CTVCLMIG utility if the media name kept in the $SYSDATA record is not found in the IOASPRM member.

- `mediaName` - media name of the migrated report

The CTVCLMIG utility stops with a return code of 8.

**Corrective Action:** Add the specified `mediaName` in the message media to the IOASPRM member and rerun the CTVCLMIG utility.

**MOF messages**

This group includes messages for the Control-O product.

**Messages MOF100 through MOF1xx**

This group includes messages for the Control-O product.

**MOF15BE ORDER/FORCE FAILED. CONTROL-O MONITOR IS INACTIVE**

**Explanation:** An O/F (Order/Force) command was specified, but cannot be executed because the Control-O monitor is not active.

The Order/Force command is not executed.

**Corrective Action:** Start the Control-O monitor before ordering rules.

**MOF15CI TABLE** `tableName` **ODATE** `date` **WILL BE ORDERED BY CONTROL-O**

**Explanation:** This information message indicates that an ORDER or FORCE request was made for rule table `tableName` odate `date`. Control-O will order or force the table.
Corrective Action: No action is required.

MOF15EE FORCE ORDER REJECTED BY USER EXIT

Explanation: An ORDER or FORCE command was specified but was rejected by security exit CTOSE01. Security exit CTOSE01 has determined that you are not authorized to perform ORDER or FORCE commands. The ORDER or FORCE command is not executed.

Corrective Action: If you think you should be authorized to perform these commands, please contact your INCONTROL administrator.

MON messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages MON100 through MON1xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

MON100I CONTROL-D MONITOR STARTED

Explanation: This is a general information message which is issued when the Control-D monitor is started.

Corrective Action: No action is required.

MON102E INVALID PARM GIVEN TO MONITOR. PARM CAN BE " " OR "1" FOR PRIMARY MONITOR AND "2-9" FOR SECONDARY MONITORS

Explanation: Highlighted, unrollable message.

The value of the PARM field in the Control-D monitor procedure or the secondary monitor procedure is invalid. The Control-D monitor or the secondary monitor shuts down.

Corrective Action: Check the value defined in the CTDMON# field in CTDPARM. Change the PARM field in the appropriate procedure to correspond to this value and start Control-D.

For example, for the CONTROL2 procedure: 

```
//CONTROLD EXEC PGM=CTMMON,PARM='2'
```

MON103E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

Explanation: An invalid parameter was passed to the File Transfer monitor by an operator modify command. A list of valid modify parameters is displayed on the operator console following this message. The operator modify command is rejected.

Corrective Action: Enter an operator modify command with valid parameters.
MON104S BLDL/ATTACH FAILED FOR TASK *taskName*

**Explanation:** Initialization of one of the Control-D monitor internal tasks failed. Possible causes are:
- The task is not found in the IOA Load library.
- Insufficient memory for Control-D monitor.

The exact reason (system code) can be found on the computer log.

Control-D monitor shuts down.

**Corrective Action:** Call your system programmer for assistance. If necessary, increase the Control-D monitor REGION size.

MON105S UNRECOVERABLE ERROR ENCOUNTERED

**Explanation:** Unrecoverable error in the operation of the Control-D monitor.

The IOA Log should contain a previous message concerning the error.

The Control-D monitor will shut down with user abend 0006.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

MON106S ONE OF THE SUBTASKS HAS ABENDED

**Explanation:** One of the Control-D monitor internal subtasks has abended.

The Control-D monitor will shut down with user abend 0006. A dump of the abending task which is needed for problem resolution will also be included in the output.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

MON107I SHUT DOWN UPON REQUEST FROM OPERATOR

**Explanation:** This information message is a Control-D monitor shut down message when the shut down was requested by the operator.

Control-D monitor shuts down.

**Corrective Action:** No action is required.

MON109W CONTROL-D PASSWORD WILL EXPIRE IN *n* DAYS. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** The password for testing Control-D will expire in *n* days.

In *n* days, the Control-D monitor will stop operating.

**Corrective Action:** Please contact your IOA administrator.

MON110S PASSWORD HAS EXPIRED. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** The password for testing Control-D has expired.
The Control-D monitor no longer operates.  
**Corrective Action:** Please contact your IOA administrator.

**MON111W NO MORE WORK LEFT**  
**Explanation:** Internal Control-D error.  
**Corrective Action:** Have your system programmer call BMC Software Customer Support immediately.

**MON112W MISSIONS LEFT IN ACTIVE MISSIONS FILE CANNOT BE DONE**  
**Explanation:** Internal Control-D error.  
**Corrective Action:** Have your system programmer call BMC Software Customer Support immediately.

**MON113W CONTROL-D MONITOR SHUTTING DOWN FOR A NEW DAY**  
**Explanation:** Highlighted, unrollable message.  
Normal message of Control-D monitor shutting down for the New Day procedure.  
The Control-D monitor shuts down once a day at a specific time for the New Day procedure. For more information on the New Day procedure, see the Control-D and Control-V User Guide.  
Control-D monitor will shut down and start the New Day procedure (CTDNDAY). When it finishes executing, it will start the Control-D monitor again.  
**Corrective Action:** No action is required.

**MON116S OPEN OF ACTIVE MISSIONS FILE FAILED - DDNAME "DAAMF"**  
**Explanation:** Highlighted, unrollable message.  
Open of Control-D Active Missions file failed (the DAAMF DD statement). Possible causes are:  
- The DAAMF DD statement is missing.  
- The data set described by the DAAMF DD statement is not the Control-D Active Missions file.  
- The data set described by the DAAMF DD statement is the Control-D Active Missions file, but it is of another Control-D monitor, or of a different Control-D version.  
The Control-D monitor will shut down.  
**Corrective Action:** Correct the JCL for the Control-D monitor.

**MON117S ACTIVE MISSIONS FILE IS BEING FORMATTED NOW**  
**Explanation:** Highlighted, unrollable message.  
The New Day monitor has been brought up while the Active Missions file is under formatting.  
The New Day procedure did not finish formatting the file, either because it was still working, or because it abended. It is impossible to start the Control-D monitor until the New Day procedure finishes executing successfully.  
The Control-D monitor shuts down.
Corrective Action: Check how the New Day procedure finished executing. All the problems of the New Day procedure must be corrected before restarting the Control-D monitor. Note, however, that if an IPL occurred during the previous run of the New Day procedure, it will correct itself when restarted. Therefore, it can be restarted without correction.

MON118S FILE ALLOCATED TO DDNAME "DAAMF" IS NOT THE EXPECTED ACTIVE MISSIONS FILE

Explanation: Highlighted, unrollable message.
The data set described by the DAAMF DD statement is not the expected Control-D Active Missions file. This could be due to one of the following:
- The file allocated to the DAAMF DD statement is not the Control-D Active Missions file.
- The file allocated to the DAAMF DD statement is the Control-D Active Missions file, but it is of a different version or of a different Control-D monitor.

Control-D monitor will shut down.

Corrective Action: Correct JCL for the Control-D monitor.

MON119S ACTIVE MISSIONS FILE IS DAMAGED - NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.
The contents of the Active Missions file have been corrupted. The Active Missions file is marked as FORMAT during New Day procedure processing, and marked as FREE at successful completion. Currently, the file is not marked as FORMAT, nor as FREE.

Control-D monitor will shut down.

Corrective Action: Call your system programmer for assistance. Examine messages issued during the NEWDAY procedure, take appropriate corrective action, and then rerun the NEWDAY procedure. If the problem recurs, take appropriate action on the Active Mission file: To compress or copy the Active Mission file, use the CTDCAMF utility. To reformat the Active Mission file use the CTDFRAMF utility.

MON120I CONTROL-D MONITOR SHUTTING DOWN

Explanation: Highlighted, unrollable message.

This information message is a general Control-D message issued when shutting down the Control-D monitor by a P command, or on certain internal Control-D events. The IOA Log should contain additional messages concerning the reason for shutting down.

Control-D monitor shuts down.

Corrective Action: No action is required.

MON121S CONTROL-D MONITOR ENDED WITH ERROR

Explanation: Highlighted, unrollable message.
Control-D monitor ended with an error. The IOA Log should contain additional messages concerning the specific error.

Control-D monitor shuts down.

**Corrective Action:** Check the IOA Log or the computer log for the reason. Call the system programmer for assistance if needed. Try to start the Control-D monitor again as soon as possible.

**MON122W YOUR CONTROL-D IS ALREADY ACTIVE. QNAME q/Name**

**Explanation:** Highlighted, unrollable message.

**Corrective Action:** No action is required.

**MON123I CONTROL-D INTERVAL IS SET TO \( nn \) SECONDS**

**Explanation:** This information message is produced as a result of setting a Control-D sleeping interval by an operator command.

For more details refer to the *INCONTROL for z/OS Administrator Guide*.

Control-D monitor will “wake up” every \( nn \) seconds and check what it has to do.

**Corrective Action:** No action is required.

**MON124E INTERVAL MUST BE A TWO DIGIT NUMBER BETWEEN 03-99 SECONDS**

**Explanation:** An invalid Control-D sleeping interval was specified in an operator modify command. The Control-D sleeping interval must be a 2-digit number from 03 through 99 seconds. For more details, see the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** Enter a valid interval.

**MON125I validModifyParm**

**Explanation:** This message displays a valid parameter that can be used in MODIFY.

**Corrective Action:** No action is required.

**MON126I NEW EXIT exitName LOADED**

**Explanation:** This information message indicates a successful execution of the “exit refresh” operator modify command.

A new copy of a Control-D user exit was loaded successfully.

For more information, see the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** No action is required.

**MON127I NEWDEST COMMAND ACCEPTED**

**Explanation:** This information message is the result of acceptance of an operator NEWDEST command passed to the Control-D monitor.
The next time that the Control-D monitor tries to SHOUT a message, it will load a new dynamic destination table.

**Corrective Action:** No action is required.

**MON128S RECIPIENT TREE WAS NOT LOADED BECAUSE OF ERROR - CONTROL-D IS TERMINATING**

**Explanation:** The loading of the Control-D Recipient Tree was unsuccessful.

As part of its initialization processing, the Control-D monitor attempts to load the Recipient Tree. However, the loading of the Recipient Tree was not successful.

The Control-D monitor will shut down.

**Corrective Action:** There are additional messages describing the problem on the IOA Log and the system log.

**MON129I ERROR WHILE LOADING EXIT exitName. EXIT NOT LOADED**

**Explanation:** This information message indicates that the Control-D monitor failed to load the exitName user exit.

Common reasons for failure include:

- The IOA Load library is in the Linklist, and someone has updated the library without performing a refresh for the LLA.
- The last assembly or linkage of exitName failed.
- There is insufficient memory to load this exit.

The Control-D monitor will continue to run. However, the exitName user exit will not be activated.

**Corrective Action:** Check the system log for the reason for the failure.

**MON12AI CONTROL-D MONITOR IS SUSPENDING FOR A NEW DAY**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor is being suspending while the New Day procedure is running in internal mode.

The Control-D monitor is suspended once a day at a specific time for the New Day procedure when it runs in internal mode. For more information on the New Day procedure, see the *INCONTROL for z/OS Administrator Guide*.

The Control-D monitor suspends all mission processes. When it finishes, message MON12CI is issued.

**Corrective Action:** No action is required.

**MON12BI CONTROL-D MONITOR IS SUSPENDING BY OPERATOR REQUEST**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor is being suspending due to an operator request.

The Control-D monitor suspends all mission processes. When it finishes, message MON12CI is issued.
**Corrective Action:** No action is required.

**MON12CI CONTROL-D MONITOR SUSPENDED**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor is being suspended while the New Day procedure is running in internal mode.

The Control-D monitor has started the New Day subtask. When it finishes executing, the monitor will resume and start the New Day procedure (CTDNDAY).

**Corrective Action:** No action is required.

**MON12DI CONTROL-D MONITOR RESUMED**

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-D monitor has resumed after being suspended for the New Day procedure or by operator request.

The Control-D monitor resumes all mission processes.

**Corrective Action:** No action is required.

**MON12EI CONTROL-D NEW DAY TIME STAMP IS timeStamp**

**Explanation:** This information message indicates that the New Day process has set the timeStamp time stamp as the time of a new day.

The timeStamp timestamp is a hexadecimal representation of the time-of-day clock value used for synchronization for the CTDDELRP utility and for backup missions. It is displayed for tracking and debugging purposes.

For an explanation of the synchronization process, see message MONA59I.

**Corrective Action:** No action is required.

**MON12FE UNABLE TO UPDATE THE MISSION STATUS**

**Explanation:** The Control-D monitor is unable to update the status of a decollation mission, which was suspended during a New Day procedure that was executing in internal mode. The monitor begins to process such a mission before the New Day procedure begins, but only finishes after the procedure ends. The reason is that the mission was updated outside of the Control-D monitor.

The Control-D monitor continues to run. However, the mission status is not updated.

**Corrective Action:** Restart the Control-D monitor.

**MON12GS NEWDAY SUBTASK ENDED WITH ERROR**

**Explanation:** A New Day subtask ended with an error or abended.

The Control-D monitor shuts down with user abend 0006.

A dump of the abending task which is needed for problem resolution is also included in the output.

**Corrective Action:** No action is required.
MON12HS INVALID NEWDAY MODE

**Explanation:** The incorrect NDAYMODE parameter was specified in the start command for the Control-D monitor or the CTDNDAY procedure.

Valid values are:

- **INT** - internal mode. The Control-D or Control-V monitors execute simultaneously with the New Day procedure.
- **EXT** - external mode. The Control-D monitor starts the New Day procedure, and then shuts down the Control-D monitor or the CTDNDAY procedure.

The Control-D monitor or the CTDNDAY procedure shuts down.

**Corrective Action:** Restart the Control-D monitor or the CTDNDAY procedure with the correct parameter.

MON130I COMMAND "cmd" ACCEPTED FOR PRINTER prtr

**Explanation:** This information message indicates acceptance of an operator STARTPRT or STOPPRT command passed to the Control-D monitor.

The requested printer is opened (started) or closed (stopped).

**Corrective Action:** No action is required.

MON131I TREE WAS NOT LOADED BECAUSE IT IS IN USE BY ONE OF THE SUBTASKS - TRY AGAIN LATER

**Explanation:** This information message is a result of an operator LOADTREE command passed to the Control-D monitor.

The Recipient Tree is used by several subtasks of the Control-D monitor. One of the subtasks had exclusive control of the Recipient Tree for a short period of time.

The new Recipient Tree is not loaded. Control-D continues using the old Recipient Tree.

**Corrective Action:** Try to load a new Recipient Tree later.

MON132E PRINTER prtr IS NOT DEFINED TO CONTROL-D

**Explanation:** Result of an operator STARTPRT or STOPPRT command passed to the Control-D monitor.

The PRINTER Control-D Installation Parameter defines the logical printers on which Control-D can print. However, the printer name prtr is not defined in the PRINTER Installation Parameter.

The requested STARTPRT or STOPPRT function is not performed.

**Corrective Action:** Enter the correct printer name in the STARTPRT or STOPPRT command.

MON133I STARTING THE CONTROL-D PRINTERS CONTROL MONITOR - prtr

**Explanation:** This information message is issued during normal initialization processing in the Control-D monitor.

The Control-D monitor activates the Printers Control monitor prtr as an independent started task.
The Control-D monitor invokes the started task prtr. This name is taken from the PRTSTC Control-D Installation Parameter.

**Corrective Action:** No action is required.

**MON134I** WAITING FOR THE CONTROL-D PRINTERS CONTROL STC *(name)* TO START

**Explanation:** This information message indicates that the Printers Control monitor has been activated by the Control-D monitor.

The Control-D monitor waits for the Printers Control started task to start executing. This message can appear more than once. If, after a number of times, the Control-D monitor cannot find the Printers Control monitor, it assumes that it has failed and the Control-D monitor shuts down.

**Corrective Action:** No action is required.

**MON135E** CONTROL-D PRINTERS CONTROL MONITOR *monName* ENDED ABNORMALLY. CONTROL-D SHUTTING DOWN

**Explanation:** Highlighted, unrollable message.

The Printers Control monitor *monName* was shut down due to errors.

The Control-D monitor will shut down.

**Corrective Action:** Check the IOA Log for additional clarification messages on the reason for the shutdown.

**MON136I** STOPPING THE PRINTERS CONTROL MONITOR

**Explanation:** This information message indicates that a shutdown process has been issued from the Control-D monitor.

Before the Control-D monitor shuts itself down, it will shut down the Printers Control monitor first.

Control-D will shut down.

**Corrective Action:** No action is required.

**MON137I** WAITING FOR THE PRINTERS CONTROL STC *(name)* TO TERMINATE

**Explanation:** This information message indicates that a shutdown process has been issued from the Control-D monitor.

The Control-D monitor has issued the command to shut down the Printers Control monitor, and is now waiting for a response. This message can appear more than once, but not more than 10 times.

**Corrective Action:** No action is required.

**MON138E** WAITING TOO LONG FOR THE PRINTERS CONTROL STC *(name)*. STC BEING CANCELLED

**Explanation:** Highlighted, unrollable message.
A shutdown process issued from the Control-D monitor.
The Control-D monitor has issued the command to the Printers Control monitor to shut itself down, but there was no response from the Printers Control monitor.
The Printers Control monitor is cancelled (operator command C name).

**Corrective Action:** Check the system log, the IOA Log, and the JCL of the Control-D monitor and the Printers Control monitor.

**MON139I GENERIC JOB DECOLLATION IS ACTIVE ON CLASSES (classList)**

**Explanation:** This information message indicates that the Generic decollation from the classList Generic classes is now active. The Control-D monitor issues this message when starting, after new day processing and after successfully executing the STARTGEN command.

Control-D will start decollating syouts from the classList Generic classes. For more information, see the description of generic processing in the INCONTROL for z/OS Administrator Guide.

**Corrective Action:** No action is required.

**MON13AE GENERIC DECOLLATION CANNOT BE ACTIVATED. GENCLAS IS NOT DEFINED IN CTDPARM**

**Explanation:** The operator issued the command ‘F CONTROLD,STARTGEN’ but no generic classes were defined in CTDPARM.

The command is ignored.

**Corrective Action:** For information on specifying generic classes in CTDPARM, see the Control-D chapter of the INCONTROL for z/OS Installation Guide, and proceed accordingly.

**MON13BI PRINTER prtrId DEST dest TYPE type IS OPEN**

**Explanation:** This information message indicates that the prtr_id logical printer has opened following a STARTPRT command issued by the operator.

The variables in this message are:
- **prtrId** - the identity of the logical printer that has opened
- **dest** - the value of the Dest Printer Definition parameter
- **type** - the value of the Type Printer Definition parameter

For more information on these Printer Definition parameters, see the Control-D chapter of the INCONTROL for z/OS Installation Guide.

**Corrective Action:** No action is required.

**MON13CI STOPPING THE MONITOR monName**

**Explanation:** This information message is issued when the monitor stops as a result of receiving the modify command /F CONTROLD,STOP=monName.

**Corrective Action:** No action is required.
INCONTROL for z/OS Messages Manual

MON13DE THE MONITOR monName WAS NOT ORIGINALLY ACTIVE.

Explanation: The modify command /F CONTROLD,STOP=monName was issued, but the monName monitor was not activated when Control-D started.
Control-D cannot start a new monitor that was not activated when Control-D started.
The new monitor is not started.
Corrective Action: Correct the value of monName in the modify command.

MON13EI MQ DECOLLATION IS ACTIVE

Explanation: This information message indicates a successful execution of the STARTMQ operator modify command.
MQ decollation for MQ Queues is now active.
Control-D will start decollating messages from MQ Queues.
Corrective Action: No action is required.

MON140I GENERIC JOB DECOLLATION IS BEING DEACTIVATED

Explanation: This information message indicates a successful execution of the STOPGEN operator modify command.
Deactivation of Generic decollation from all Generic classes is in process.
Control-D will not start new decollations from Generic classes. Currently executing (decollating) missions will finish the processing of jobs whose output processing has already started.
Corrective Action: No action is required.

MON141I STARTING THE SECONDARY CONTROL-D MONITOR monName

Explanation: This information message is a normal start message for initialization processing of the Control-D monitor monName.
The Control-D monitor activates the secondary monitor as an independent started task.
The Control-D monitor invokes the started task name, CONTROL ?, where ? indicates the number of the monitor.
Corrective Action: No action is required.

MON142I WAITING FOR THE SECONDARY CONTROL-D MONITOR monName TO START

Explanation: This information message indicates that although a start command has been issued by the Control-D monitor, the Control-D secondary monitor monName has not yet started.
This is due to one of the following:
JES queues are busy.

The secondary monitor procedure does not exist in the procedure library (PROCLIB).

There is a JCL error in the secondary monitor procedure.

If this situation is not corrected, the Control-D monitor makes up to eight (8) attempts to initialize. After eight (8) unsuccessful attempts, the Control-D monitor shuts down.

**Corrective Action:**

- If JES queues are busy, no action is required.
- If there is a problem with the secondary monitor procedure, correct it, and start Control-D.

**MON143E SECONDARY CONTROL-D MONITOR monName ENDED ABNORMALLY. CONTROL-D SHUTTING DOWN**

**Explanation:** Highlighted, unrollable message.

Secondary Control-D monitor monName ended with errors. The IOA Log should contain additional messages concerning specific errors.

The Control-D monitor and the secondary monitor monName shut down.

**Corrective Action:** Check the IOA Log and the system log for the cause of the problem. If necessary, call the system programmer for assistance. Try to start the Control-D monitor again as soon as possible.

**MON144I WAITING FOR CONTROL-D SECONDARY MONITOR monName TO TERMINATE**

**Explanation:** This information message indicates that a shutdown process command was issued from the Control-D monitor.

The Control-D monitor has issued a shutdown command to the secondary monitor monName, and is now waiting for the secondary monitor to shut down. This message may appear more than once. The secondary monitor will shut down at the end of the currently executing decollation.

**Corrective Action:** No action is required.

**MON145I UNABLE TO READ THE MEMBER CTDPLEX FROM THE CTD PARM LIBRARY. RC=rc. THE SYSPLEX OPTION IS NOT ACTIVE.**

**Explanation:** The CTDPLEX member was not found in the Control-D PARM library.

In this message, rc is the error return code. For more information on these codes, see the description of IOAMEM in the INCONTROL for z/OS Administrator Guide.

The use of multiple monitors using SYSPLEX support is not activated.

**Corrective Action:** Ensure that the CTDPLEX member is present in the Control-D PARM library.

**MON146I MQ DECOLLATION IS BEING DEACTIVATED**

**Explanation:** This information message indicates a successful execution of the STOPMQ operator modify command.
Deactivation of MQ decollation from all MQ QUEUES is in process.
Control-D will not start new decollations from MQ QUEUES, although currently existing decollating missions will finish the processing of messages whose output processing has already begun.

**Corrective Action:** No action is required.

**Messages MON700 through MON7xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**MON778I CONTROL-D MAIN MONITOR ONLY**

**Explanation:**
This information message indicates that the user tried to issue a MODIFY or STOP command to either the Control-D Printers Control monitor or to a Control-D secondary monitor. A MODIFY or STOP command to the Control-D Printers Control monitor or a Control-D secondary monitor can only be issued by the Control-D primary monitor.

The MODIFY or STOP command is ignored.

**Corrective Action:** No action is required.

**Messages MONA00 through MONAxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**MONA59I SYNCHRONIZATION WITH BACKUP/CTDDELRP STARTED**

**Explanation:** This information message is the normal message which is issued when the Control-D monitor receives a synchronization request from a Backup Mission or from the CTDDELRP utility.

Before starting synchronization, the CTDDELRP utility or a Backup Mission issues a synchronization request to the decollation task on each Control-D monitor (if more than one is active) to ensure that the report deletion/backup process is coordinated with each decollation task.

Upon receiving a request, each decollation task finishes its current decollation and closes all multijob CDAM data sets. It then issues a timestamp to the requesting utility or mission and waits for a response from that utility or mission.

The utility or mission waits until all monitors have responded. It selects a timestamp returned by the monitors and notifies Control-D decollation tasks of the timestamp selected. Synchronization is then complete and processing continues.

Coordination of the processes is achieved using an algorithm based on the timestamp.

**Corrective Action:** No action is required.
MPR messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages MPR700 through MPR7xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

MPR775I  monName CONTROL-D PRINTERS CONTROL MONITOR STARTED

Explanation: This information message indicates that Control-D Printers Control monitor monName started.

Corrective Action: No action is required.

MPR776E  monName CONTROL-D PRINTERS CONTROL MONITOR ALREADY ACTIVE

Explanation: Highlighted, unrollable message.
Someone tried to start Control-D Printers Control monitor monName, which is already active. The Control-D Printers Control monitor is automatically activated from the Control-D monitor. It should not be activated manually.
The newly-started Control-D Printers Control monitor will shut down.

Corrective Action: No action is required.

MPR777S  monName CONTROL-D PRINTERS CONTROL MONITOR ENDED WITH ERRORS

Explanation: Highlighted, unrollable message.
Control-D Printers Control monitor monName ended with errors. The IOA Log should contain additional messages concerning each specific error.
The Control-D Printers Control monitor and the Control-D monitor will shut down.

Corrective Action: Check the IOA Log and the system log for the reason. Call the system programmer for assistance if needed. Try to start the Control-D monitor again as soon as possible.

MPR778I  monName ALL MODIFY/STOP COMMANDS MUST BE ISSUED BY CONTROL-D MAIN MONITOR ONLY

Explanation: This information message indicates that the user tried to issue a MODIFY or STOP command to either the Control-D Printers Control monitor or to a Control-D secondary monitor. A MODIFY or STOP command to the Control-D Printers Control monitor or a Control-D secondary monitor can only be issued by the Control-D primary monitor.
The MODIFY or STOP command is ignored.
INCONTROL for z/OS Messages Manual

Corrective Action: No action is required.

MPR779I monName CONTROL-D PRINTERS CONTROL MONITOR ENDED
Explanation: Highlighted, unrollable message.
This information message is the general message which is issued when the Control-D Printers Control monitor monName ends.
Corrective Action: No action is required.

MPR77AE INCORRECT PARM FIELD IN PRINT JOB jobName
Explanation: The print mission running as a batch job received an invalid PARM field value from the EXEC statement, or the PARM field is missing from the EXEC statement.
The value PARM is the COM record number. This value must be 4 digits long. If it is not, or if the PARM field is not in the EXEC statement, this message is issued.
The job ends abnormally with a return code of 116, and the print mission ends NOT OK.
Corrective Action: Correct the EXEC statement in the print skeleton, and rerun the print mission.

Messages MPR900 through MPR9xx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

MPR980S monName LOAD OF CONTROL-D SPECIAL ROUTINES FAILED
Explanation: Highlighted, unrollable message.
Initialization of the monName Printers Control monitor failed because of missing modules.
The Control-D Printers Control monitor and the Control-D monitor will shut down.
Corrective Action: Determine who deleted the missing load modules and why. Restore these modules from a backup tape of the IOA Load library, and bring up the Control-D monitor.

MPR981S proc RECIPIENT TREE WAS NOT LOADED BECAUSE OF ERROR – CONTROL-D PRINTERS CONTROL MONITOR IS TERMINATING
Explanation: Highlighted, unrollable message.
The Recipient Tree was not loaded because of an error.
The Control-D Printers Control monitor and the Control-D monitor will shut down.
Corrective Action: Look at the IOA Log and the computer log for additional error messages. These additional messages pinpoint the specific problem encountered while loading the Recipient Tree.
MPR982I *monName* CONTROL-D PRINTER MONITOR IS WAITING FOR ONE OR MORE PRINT SUBTASKS TO TERMINATE

**Explanation:** This information message indicates that a shutdown process command was issued from the Control-D monitor, but the Control-D Printers Control monitor is still printing.

The Printing Mission that is still printing can be found in the Active Missions Status screen.

If the Printers Control monitor is still printing when a shutdown request is issued, it continues to print. The Control-D monitor does not shut down until printing is finished.

**Corrective Action:** If you allow the Printing Mission to finish printing, no action is required.

To shut down the Control-D monitor immediately, change the status of the active Printing Mission in the Active Missions Status screen (AMS) to HOLD. Free it after the Control-D monitor has restarted.

MPR983E *monName* CONTROL-D PRINTER MONITOR IS TERMINATING EVEN THOUGH ONE OR MORE PRINT SUBTASKS HAS NOT TERMINATED

**Explanation:** Highlighted, unrollable message.

The Control-D monitor is shutting down the Control-D Printers Control monitor *monName*.

The Control-D monitor issued a command to shut down the Printers Control monitor *monName*. The Printers Control monitor was not shut down because one or more print subtasks were awaiting completion. Under certain circumstances, the Control-D monitor forces shutdown of the Printers Control monitor after a default site-specific length of time.

The Control-D Printers Control monitor *monName* shuts down.

**Corrective Action:** No action is required.

MPR98AI PRINT MISSION POSTPONED. MAX NUMBER OF SUBTASKS IS REACHED IN THE CURRENT MONITOR

**Explanation:** This information message indicates that the current print mission cannot be processed because the print monitor is already processing the maximum number of missions as defined in optional wish WD2618.

The print mission is delayed until one of the missions being processed terminates.

**Corrective Action:** If this message appears frequently, it is recommended to increase the maximum number of print missions the print monitor can process concurrently.

MPR98BI PRINT MISSION CONTINUES PROCESSING

**Explanation:** This information message indicates that the print monitor resumed processing a mission that was postponed (see message MPR98AI)

**Corrective Action:** No action is required.
MRG messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages MRG100 through MRG1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

MRG100I MERGE PROCESSING STARTED

Explanation: This information message indicates that the Merge utility began executing a MERGE command, requesting that either two Active Job files or two History files be merged.

Corrective Action: No action is required.

MRG101I MERGE PROCESSING ENDED

Explanation: This information message indicates that the Merge utility has completed execution.

Corrective Action: No action is required.

MRG102I {JOB | GROUP} name ODATE odate ORDERID oldOrderId MERGED - NEW ORDERID newOrderId

Explanation: This information message indicates that the name job or group, with order date odate and order ID oldOrderId, was successfully copied into the target (merged) Active Jobs file.

If the parameter UPDORDID was specified, the job will have a new orderid (newOrderId) in the merged file. If the parameter UPDORDID was not specified, the original order ID is not changed. In this case, the values of oldOrderId and newOrderId in the message will be identical.

Corrective Action: No action is required.

MRG103S OPEN OF SOURCE/TARGET FILE FAILED

Explanation: An attempt to open a Control-M Active Jobs file or History file failed. This may be due to a missing DD statement referencing the file.

The program terminates with a non-zero return code.

Corrective Action: Correct the JCL and submit the job again.

MRG104S SOURCE/TARGET FILE IS NOT 'AJF' OR 'HST'

Explanation: One of the files used as input or output to the Merge utility is not recognized as an Active Jobs file or History file.

The program terminates with a non-zero return code.

Corrective Action: Correct the JCL and submit the job again.
MRG105S OPEN OF PARAMATER FILE FAILED

**Explanation:** The file containing the command input to the Merge utility, referenced by the DAMRGIN DD name, could not be opened.

The program terminates with a non-zero return code.

**Corrective Action:** Correct the JCL and submit the job again.

MRG106E COPY TO MERGED FILE FAILED: *cause* REASON CODE: *rsn*

**Explanation:** An error occurred while copying records from the source Active Jobs file or History file to the target Active Jobs file or History file.

The variables in this message are:

- *cause* - the cause of the error
- *rsn* - the reason code, which may contain additional information

The program terminates with a non-zero return code.

**Corrective Action:** No action is required.

MRG107E MERGE PROCESSING MODULE NOT FOUND

**Explanation:** An attempt to load the CTMHCP module failed. The load may have failed because the module does not exist in the IOA Load library.

The program terminates with a non-zero return code.

**Corrective Action:** Verify that the IOA Load library contains the required module.

MRG108S SOURCE/TARGET FILE RELEASE LEVEL NOT SUPPORTED

**Explanation:** The source or target file specified for the Merge utility was created under an unsupported version. The Merge utility cannot process such a file, and terminates with a non-zero return code.

**Corrective Action:** Verify that both the source and target files are of supported versions. (The version can be found in record 0 of each file.)

MRG109S SOURCE AND TARGET FILE TYPE MISMATCH

**Explanation:** The source and target file types are not identical. They must both be either Active Job files or History files.

The program terminates with a non-zero return code.

**Corrective Action:** Verify that the file types are identical. The file type can be found in record 0 of each file.

MRG110I MERGE PROCESSING FOR FILE TYPE: AJF/HST

**Explanation:** This information message indicates the type of merge being processed by the Merge utility. Merging of either two Active Job files or two History files is supported.

**Corrective Action:** No action is required.
MRG111I SOURCE FILE CONTAINS NO JOBS

**Explanation:** This information message indicates that no jobs were found in the file used as input to the Merge utility.

The program terminates with a non-zero return code.

**Corrective Action:** No action is required.

MSG messages

This group includes messages for the Control-O product.

Messages MSGI 00 through MSGI xx

This group includes messages for the Control-O product.

MSGI 18I *text*

**Explanation:** This information message is an echo message showing the /CTO command as received by the DFSAOE00 interface module from IMS.

**Corrective Action:** No action is required.

MTO messages

This group includes messages for the Control-O product.

Messages MTO100 through MTO1 xx

This group includes messages for the Control-O product.

MTO100I \{CONTROL-O | CTMCMMEM\} RELEASE \(x.x.xx\)- MONITOR STARTED

**Explanation:** This information message is a normal message issued when the Control-O or CMEM monitor is started. The version of the monitor that is starting \(x.x.xx\) is indicated in the message text.

**Corrective Action:** No action is required.

MTO101S MONITOR STARTED WITH INCORRECT STORAGE KEY. CHECK PPT DEFINITION

**Explanation:** During initialization self-checks, the Control-O or CMEM monitor discovered that a storage key was specified that was not in the range from 1 through 7. The Control-O or CMEM monitor only works using storage keys 1 through 7.

The monitor terminates.

**Corrective Action:** Perform the following steps:
1. Define the CTOMTO7 in SYS1.PARMLIB(SCHED xx) with a key in the range from 1 through 7.
2. Refresh the SCHED xx using the MVS SET command.
3. Stop the Control-D subsystem by means of the command S IOASTERM,TYPE=D
4. Disconnect the IOA subsystem by means of the command S IOASDISC,SSNAME=ioa_subsystem
5. Start the Control-O or CMEM monitor.
6. Start the Control-D monitor and subsystem.

**MTO102I CONTROL-D FUNCTIONS ENABLED**

**Explanation:** This information message indicates that during Control-O monitor startup, an installed Control-D was detected. Therefore, the Control-M function DO CTD REQ was enabled.

**Corrective Action:** No action is required.

**MTO103W CONTROL-D FUNCTIONS DISABLED. "DO CTD REQ." WILL BE REJECTED**

**Explanation:** During Control-O monitor startup, no installed Control-D was detected. Therefore, the Control-M function DO CTD REQ was disabled.

Monitor startup continues.

**Corrective Action:** Notify your INCONTROL administrator.

**MTO104S BLDL / ATTACH FAILED FOR TASK taskName**

**Explanation:** Initialization of one of the Control-O or CMEM monitor internal tasks failed.

Possible causes are:
- The task is not found in the IOA Load library.
- There is insufficient storage for the Control-O or CMEM monitor.

The Control-O or CMEM monitor shuts down.

**Corrective Action:** Call your systems programmer for assistance. If necessary, increase the Control-O or CMEM REGION size.

**MTO105S UNRECOVERABLE ERROR ENCOUNTERED**

**Explanation:** An unrecoverable error occurred in the operation of the Control-O or CMEM monitor.

The IOA Log usually contains a previous message concerning the error.

The Control-O or CMEM monitor shuts down with User Abend 0006.

**Corrective Action:** Call your systems programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

**MTO106S SUBTASK subtask ABENDED abCode**

**Explanation:** The identified Control-O or CMEM monitor internal subtask has abended.
The Control-O or CMEM monitor shuts down.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support for assistance.

**MTO107I SHUT DOWN UPON REQUEST FROM OPERATOR**

**Explanation:** This information message indicates that the Control-O or CMEM monitor is shutting down upon operator request.

The Control-O or CMEM monitor is shut down.

**Corrective Action:** No action is required.

**MTO108S UNABLE TO ESTABLISH THE CROSS MEMORY ENVIRONMENT. STEP stepName**

**Explanation:** Control-O or CMEM monitor could not establish the cross memory environment required for its operation.

**Corrective Action:** Call your systems programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance and provide the step name indicated in the message.

**MTO109I {CONTROL-O | CTMCMEM} MONITOR IS SHUTTING DOWN. A NEW MONITOR WAS STARTED**

**Explanation:** This information message indicates that a new Control-O or CMEM monitor has been started. This message is issued by the previous Control-O or CMEM monitor to indicate that it is shutting down.

The Control-O or CMEM monitor that was operating previously shuts down.

**Corrective Action:** No action is required.

**MTO10AI CONTROL-M FUNCTIONS ENABLED**

**Explanation:** This information message indicates that during Control-O or CMEM monitor startup, Control-M was detected, and therefore, Control-M functions DO FORCEJOB and DO RESOURCE were enabled.

**Corrective Action:** No action is required.

**MTO10BW CONTROL-M FUNCTIONS DISABLED. "DO FORCEJOB / RESOURCE" WILL BE REJECTED**

**Explanation:** During Control-O or CMEM monitor startup, because no installed Control-M was detected, the Control-M functions DO FORCEJOB and DO RESOURCE were disabled.

Monitor startup continues.

**Corrective Action:** Notify the INCONTROL administrator.
MTO10DW CTOPARM PARAMETER DAYTIMEO (cto_time) SHOULD BE EQUAL TO DAYTIMEM (ctm_time) OF CTMPARM.

Explanation: During the startup of the Control-O monitor, it was found that the value of the DAYTIMEO Control-O parameter was not identical with the value of the DAYTIMEM Control-M parameter.

The DAYTIMEO Control-O parameter sets the start of the work day for Control-O. The DAYTIMEM Control-M parameter sets the start of the work day for Control-M. Any discrepancy between these two parameters may result in the same time being interpreted differently by Control-O and Control-M.

The variables in this message are:
- cto_time - the value of the DAYTIMEO Control-O parameter
- ctm_time - the value of the DAYTIMEM Control-M parameter

Monitor startup continues.

Corrective Action: Contact your INCONTROL administrator.

MTO120I {CONTROL-O | CTMCMEM} MONITOR SHUTTING DOWN

Explanation: This information message is produced by Control-O or CMEM when shutting down the Control-O or CMEM monitor by a P command, or on certain internal Control-O or CMEM events.

The IOA Log usually contains additional messages concerning the reason for the Control-O or CMEM shutdown.

Control-O or CMEM monitor shuts down.

Corrective Action: No action is required.

MTO121S {CONTROL-O | CTMCMEM} MONITOR ENDED WITH ERROR

Explanation: Highlighted, unrollable message.

A severe error has occurred. Control-O or CMEM monitor is shutting down.

The IOA and systems logs usually contain additional messages concerning the reason for the Control-O or CMEM shutdown.

Control-O or CMEM monitor shuts down. Before shutting down, the Control-O or CMEM monitor attempts to start a new CONTROLO or CMEM monitor to replace itself. If it cannot start after a few attempts, Control-O or CMEM gives up.

Corrective Action: Check the IOA and systems logs for additional messages, and take appropriate corrective action.

MTO122S NOT ENOUGH STORAGE IN EXTENDED CSA FOR blockname.
RETURN CODE= rc

Explanation: Control-O or CMEM was unable to acquire enough storage in ECSA for the specified control block (blockname).

Control-O acquires storage in ECSA for its working areas (WSC), and for wait elements (PND). The number of wait elements is specified by the WAITPR# parameter in the CTOPARM member.

CMEM acquires storage in ECSA for its working areas (WSC).
In this message, \( rc \) is the return code issued by the failed GETMAIN call.

Control-O or CMEM terminates.

**Corrective Action:** Check ECSA utilization of the system. For Control-O, if necessary, reduce the number of wait elements specified by the WAITPR# parameter in the CTOPARM member.

**MTO123I \{CONTROL-O | CTMCMEM\} INTERVAL IS SET TO \( nn \) SECONDS**

**Explanation:** This information message is a result of setting a Control-O or CMEM sleeping interval by an operator command.

For more information, see the section on modifying the Control-O or CMEM sleeping interval in the *INCONTROL for z/OS Administrator Guide.*

Control-O or CMEM monitor will “wake up” every \( nn \) seconds and check on time-related events.

**Corrective Action:** No action is required.

**MTO124W CONTROL-O PARAMETER \( parmName = parmValue \{ > | < \} parmDefault \) - USING DEFAULT VALUE**

**Explanation:** When the Control-O monitor starts, it checks to ensure that the values of the parameters in CTOPARM are within the valid range. One of the parameters (\( parmName \)) is set to a value (\( parmValue \)) that is either too high (\( > \)) or too low (\( < \)).

Control-O resets the value of \( parmName \) to the default value for that parameter, and the monitor continues its startup.

Correct the value of \( parmName \) in CTOPARM. If required, stop and restart the Control-O monitor.

**Corrective Action:** No action is required.

**MTO126W LOAD OF IOADEST TABLE FAILED: DO SHOUT WILL NOT BE SUPPORTED**

**Explanation:** During the startup of the Control-O monitor or the execution of a NEWDEST command, the Dynamic Destination table was not successfully loaded or renewed.

Monitor startup or operation continues. The Dynamic Destination table is not loaded or renewed. DO SHOUT requests will not be performed.

**Corrective Action:** Contact your INCONTROL administrator.

**MTO127I NEWDEST COMMAND ACCEPTED**

**Explanation:** This information message is a result of the acceptance of an operator NEWDEST command passed to the Control-O or CMEM monitor.

A new dynamic destination table is loaded. The next time that the Control-O or CMEM monitor sends a message using the SHOUT facility, it will use the new destination table.

**Corrective Action:** No action is required.
MTO128I  RULE TYPE TABLE STATUS LIBRARY PRIORITY

**Explanation:** Normal response of the Control-O or CMEM monitor after the DISPLAY command is issued. This information message is the header of the list of rules shown in response to the DISPLAY command.

**Corrective Action:** No action is required.

MTO129I  ruleName type tableName status lib priority

**Explanation:** Messages sent by the Control-O or CMEM monitor to the console in response to the DISPLAY command. Each message describes a rule. These information messages are preceded by the MTO128I or CTO128I message, which supplies the header for each field.

**Corrective Action:** No action is required.

MTO12BI  WISH WO0949 IS {ENABLED | DISABLED} - CICS LONG MESSAGES SUPPORT

**Explanation:** This information message is issued by the Control-O monitor when it enables or disables optional wish WO0949.

**Corrective Action:** No action is required.

MTO12CI  WISH WO0975 IS ENABLED - MONITOR WILL WAIT UNTIL MIGRATED LIBRARIES WILL BE RESTORED

**Explanation:** This information message is issued by the Control-O monitor when it enables optional wish WO0975.

**Corrective Action:** No action is required.

MTO12DI  WISH WO0975 IS DISABLED - MONITOR WILL IGNORE MIGRATED LIBRARIES

**Explanation:** This information message is issued by the Control-O monitor when it disables optional wish WO0975.

**Corrective Action:** No action is required.

MTO12EI  WISH WO0976 IS ENABLED - MESSAGES HANDLED AS IS

**Explanation:** This information message is issued by the Control-O monitor when it enables optional wish WO0976.

**Corrective Action:** No action is required.

MTO12FI  WISH WO0976 IS DISABLED - MESSAGES HANDLED IN UPPER CASE

**Explanation:** This information message is issued by the Control-O monitor when it disables optional wish WO0976.

**Corrective Action:** No action is required.
MTO130I  IN  condName date

**Explanation:** Messages sent by the Control-O monitor to the console in response to the DISPLAY command. The message describes the prerequisite conditions necessary for the rule to become eligible.

**Corrective Action:** No action is required.

MTO131I  TIME FROM hhmm UNTIL hhmm INTERVAL interval

**Explanation:** Messages sent by the Control-O monitor to the console in response to the DISPLAY command. This information message describes the time dependencies required by the specific rule in order to become eligible.

**Corrective Action:** No action is required.

MTO132I  REQUEST TO STOP THE CONTROL-M API ACCEPTED

**Explanation:** The Control-O monitor accepted an F CONTROLO,CTMAPISTOP command. The monitor confirms it received the command for execution.

**Corrective Action:** No action is required.

MTO133I  CONTROL-M API STOPPED

**Explanation:** The Control-O monitor successfully processed an F CONTROLO,CTMAPISTOP command. The monitor confirms it executed the command.

**Corrective Action:** No action is required.

MTO134I  {CONTROL-O | CTMCMEM} WORKING DATE HAS CHANGED FROM old_date TO new_date

**Explanation:** This information message is displayed when Control-O or CMEM changes the working date. In Control-O, the time is set according to the DAYTIMEO parameter in the CTOPARM member. In CMEM, the time is set according to the DAYTIMEO parameter in the CMMPARM member, which must be the same as the DAYTIMEM parameter in the CTMPARM member.

Control-O or CMEM monitor displays the new date.

**Corrective Action:** No action is required.

MTO135I  REQUEST TO STOP THE CONTROL-M API NOT ACCEPTED. API NOT ACTIVE

**Explanation:** The Control-O monitor attempted to process an F CONTROLO,CTMAPISTOP command, but the API could not be stopped because it is not active.

The monitor indicates that it cannot execute the requested command, because the API is not active. Note that the API is started with the first API request, such as a DO FORCEJOB statement with ODAT set to ?.

**Corrective Action:** No action is required.
MTO136I THE CONTROL-M API WILL BE RESTARTED WITH THE FIRST API REQUEST

Explanation: The Control-O monitor successfully processed an F CONTROLO, CTMAPISTART command. The monitor confirms that it executed the command, and that the next API request will reallocate the API resources (such as the Control-M Active Job File or Control-M Resources file).

Corrective Action: No action is required.

MTO137I CANNOT START THE CONTROL-M API - ALREADY WAITING FOR FIRST REQUEST

Explanation: The Control-O monitor attempted to process an F CONTROLO, CTMAPISTART command, but failed. Either the monitor has already processed this command and is therefore waiting for the first API request to allocate the files, or the monitor has not processed an API request since it was started.

Corrective Action: No action is required.

MTO138I CANNOT START THE CONTROL-M API - FIRST REQUEST ALREADY PROCESSED

Explanation: The Control-O monitor successfully processed an F CONTROLO, CTMAPISTART command, but failed. Either the monitor has already processed this command and also processed its first API request, or the monitor processed a CTMAPISTOP command since it was started, and it already has processed API requests.

Corrective Action: No action is required.

MTO142S {CONTROL-O | CTMCMEM} MONITOR DETECTED AN INTERNAL abCode ABEND

Explanation: This message is issued when Control-O or CMEM detects certain internal system abend codes during operation.

The Control-O or CMEM monitor shuts down. Before shutting down, the Control-O or CMEM monitor attempts to start a new Control-O or CMEM monitor to replace itself. If it cannot start after a few attempts, Control-O or CMEM ceases trying.

Corrective Action: Call your systems programmer for assistance. If the problem is not resolved, call BMC Software Customer Support for assistance.

MTO145S AUTOEDIT FAILED, RC= rc, REASON= rsn

Explanation: The Control-O or CMEM monitor failed to perform an AutoEdit function.

The problem was probably caused by a failure to read or write the global AutoEdit member, or invalid data in the global AutoEdit member.

The AutoEdit function is not performed.
**Corrective Action:** Consult the table of return codes and reason codes in the following table to determine the cause of the error, and correct accordingly. If the return code or reason code is not in the table, the cause of failure is an internal error. In this case, contact BMC Software Customer Support.

(HIDDEN TXT - from WTO283S)

<table>
<thead>
<tr>
<th>Return Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>GETMAIN or FREEMAIN error</td>
<td></td>
</tr>
<tr>
<td>1 through 6</td>
<td>GETMAIN failure</td>
<td></td>
</tr>
<tr>
<td>7 through 10</td>
<td>FREEMAIN failure</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Variable not found</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Variable not found and RESOLVE flag is on.</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>%%%$COMMSYS value length error.</td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>%%%$TIMEINT first argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>69</td>
<td>%%%$TIMEINT second argument is not a valid date.</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>%%%$X2C argument length is greater than 4.</td>
<td></td>
</tr>
<tr>
<td>88</td>
<td>%%%$DOLIMIT first argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>89</td>
<td>%%%$RULE functions argument is out of rule stack.</td>
<td></td>
</tr>
<tr>
<td>90</td>
<td>%%%$RULE functions argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>98</td>
<td>Global variable pool not found.</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Syntax error or general error</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Empty SET command.</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Empty IF command.</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>%%% not found in SET command.</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Separator not found after %%%.</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>‘=’ not found in SET command.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>%%%$TIMEOUT value not numeric.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>%%%$RESPMSG or %%%$TIMEOUT - invalid parentheses.</td>
<td></td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>26</td>
<td>%%%$RESPMSG or %%%$TIMEOUT</td>
<td>too many values.</td>
</tr>
<tr>
<td>27</td>
<td>%%%$WAITKSL or %%%$TSO or %%%$CMD</td>
<td>invalid value (not YES/NO).</td>
</tr>
<tr>
<td>28</td>
<td>%%%$TIMEOUT</td>
<td>value too large.</td>
</tr>
<tr>
<td>29</td>
<td>%%%$STATID</td>
<td>value length error.</td>
</tr>
<tr>
<td>30</td>
<td>%%%$AUTOLOG</td>
<td>value length error.</td>
</tr>
<tr>
<td>37</td>
<td>%%%$AUTOSYS</td>
<td>value length error.</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Function arguments not separated.</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Too few function arguments.</td>
</tr>
<tr>
<td>45</td>
<td>CTMLINE#</td>
<td>PARAMETER NOT NUMERIC when trying to set %%%$CTMLINE# to a non-numeric value.</td>
</tr>
<tr>
<td>46</td>
<td>CTMLINE#</td>
<td>&gt; CTMLINES when trying to set %%%$CTMLINE# to a value greater than %%%$CTMLINES.</td>
</tr>
<tr>
<td>47</td>
<td>CTMLINE#</td>
<td>&lt; 0 when trying to set %%%$CTMLINE# to a value less than 0.</td>
</tr>
<tr>
<td>52</td>
<td>%%%$SUBSTR</td>
<td>2nd argument not numeric.</td>
</tr>
<tr>
<td>53</td>
<td>%%%$SUBSTR</td>
<td>3rd argument not numeric.</td>
</tr>
<tr>
<td>54</td>
<td>%%%$SUBSTR</td>
<td>2nd argument out of range.</td>
</tr>
<tr>
<td>55</td>
<td>%%%$SUBSTR</td>
<td>3rd argument out of range.</td>
</tr>
<tr>
<td>56</td>
<td>%%%$RESOLVE</td>
<td>argument not recognized.</td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE</td>
<td>1st argument not numeric.</td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE</td>
<td>2nd argument not numeric.</td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE</td>
<td>1st argument out of range.</td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE</td>
<td>2nd argument out of range.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE</td>
<td>%%%$RANGE is too narrow.</td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE 1st</td>
<td>%%%$CALCDATE 1st argument not in valid format.</td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE 2nd</td>
<td>%%%$CALCDATE 2nd argument not in valid format.</td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT 1st</td>
<td>%%%$TIMEINT 1st argument is not 11 digits in length.</td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT 1st</td>
<td>%%%$TIMEINT 1st argument is not numeric.</td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT 2nd</td>
<td>%%%$TIMEINT 2nd argument is not 11 digits.</td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT 2nd</td>
<td>%%%$TIMEINT 2nd argument is not numeric.</td>
</tr>
<tr>
<td>71</td>
<td></td>
<td>More than one operator in one line.</td>
</tr>
<tr>
<td>72</td>
<td></td>
<td>Less than two operands for an operator.</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>More than two operands for an operator.</td>
</tr>
<tr>
<td>75</td>
<td>%%%$D2X argument</td>
<td>%%%$D2X argument length is greater than 10.</td>
</tr>
<tr>
<td>76</td>
<td>%%%$D2X argument</td>
<td>%%%$D2X argument is not numeric.</td>
</tr>
<tr>
<td>77</td>
<td>%%%$D2X argument</td>
<td>%%%$D2X argument number is greater than 2147483647 (2G).</td>
</tr>
<tr>
<td>78</td>
<td>%%%$X2D argument</td>
<td>%%%$X2D argument length is greater than 8.</td>
</tr>
<tr>
<td>79</td>
<td>%%%$X2D argument</td>
<td>%%%$X2D argument has an invalid character.</td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>First operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Second operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>83</td>
<td>%%%$DIV 2nd operand is 0.</td>
<td></td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G.</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G.</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of %%%$PLUS case overflow.</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of %%%$MINUS case overflow.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric.</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Errors reading the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Errors writing the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Program buffers shortage</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Not enough space in RSL buffer.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Arguments too long (ARG buffer overflow).</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program errors</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>No last non-blank for non-blank value in SET command.</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%$IPLDATE for date formatting WO816*.</td>
</tr>
<tr>
<td>36, 40, and 44</td>
<td></td>
<td>Global variables errors</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range.</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Parse errors</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid type.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Place holder error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Position specification too long.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Non numeric.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Position null.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type.</td>
</tr>
</tbody>
</table>

2171
Return Code (rc) | Reason Code (rsn) | Explanation
--- | --- | ---
40 | Section vector overflow. | 
44 | Variable buffer overflow. | 
107 | No global anchor was passed. | 

MTO146W MISSING GLOBAL AUTOEDIT LIBRARY/MEMBER

**Explanation:** During Control-O initialization, a Global AutoEdit member or its library was not found.

When Control-O is started, it reads the $GLOBAL member. A different Global library (in which a $GLOBAL AutoEdit member resides) is used for each computer (SMF ID) on which Control-O operates. Each unique library name is composed of the prefix defined in the GLBPREF parameter of the Control-O Installation Parameters, and as the last data set name qualifier, the letters CPU followed by the SMF ID of the specified computer.

Although Control-O will process Global variables, it will not read or write to this particular Global member or library.

**Corrective Action:** Check the designation of the GLBPREF parameter in the Control-O Installation Parameters. You must allocate a Global AutoEdit library for every computer in which Control-O runs. See “Control-O Operational Parameters” in the Control-O chapter of the *INCONTROL for z/OS Installation Guide*.

MTO147I CONTROL-O INITIALIZATION COMPLETE. TYPE= type SUB= subsys RUN#= nnnn

**Explanation:** This information message indicates that Control-O or CMEM initialization has completed successfully and Control-O or CMEM facilities are active.

The variables in this message are:

- **type** - the type of the startup which was passed to Control-O or CMEM as a parameter in the START command. If no TYPE value was passed to Control-O or CMEM, the default is TYPE=REGULAR.
- **subsys** - the name of the subsystem that started Control-O or CMEM (JES2, JES3, MSTR, and so on)
- **nnnn** - the number of times Control-O was replaced by a new Control-O or CMEM

Control-O or CMEM facilities are now active.

**Corrective Action:** No action is required.

MTO148W CONTROL-O STATISTICS ALREADY ACTIVE

**Explanation:** Control-O received the F CONTROLO,STARTSTAT command to start the Message Statistics facility, but the facility was already active.

The STARTSTAT command is ignored.

**Corrective Action:** No action is required.
**MTO149W CONTROL-O STATISTICS NOT ACTIVE**

**Explanation:** Control-O received the F CONTROLO,STOPSTAT command to stop the Message Statistics Facility, but the facility was not active. The STOPSTAT command is ignored.

**Corrective Action:** No action is required.

**MTO14AE INVALID modifyCommand COMMAND KEYWORD = keyword**

**Explanation:** Control-O or the CMEM monitor received the modifyCommand command with an invalid keyword. The modifyCommand command is rejected.

**Corrective Action:** Correct the invalid command and reissue it.

**MTO14BI SVC DUMP keyword NOW ENABLED**

**Explanation:** This information message is in response to the modify SVCDUMP command, and indicates that a valid keyword has been enabled.

**Corrective Action:** No action is required.

**MTO14CI SVC DUMP keyword NOW DISABLED**

**Explanation:** This information message is in response to the modify SVCDUMP command, and indicates that a valid keyword has been disabled.

**Corrective Action:** No action is required.

**MTO14DW SHUTDOWN IS DELAYED DUE TO XES SYSTEM-MANAGED REBUILD PROCESS. TO CANCEL THE DELAY REPLY "FORCE"**

**Explanation:** Control-O or CMEM cannot shut down when an XAE structure is unavailable due to system-managed rebuild. Control-O will resume its termination process when the system-managed process finishes and the structure becomes available again. When FORCE is replied, Control-O or CMEM will continue termination without waiting for the system-managed process to finish and the XAE structures to become available. Beware that after forcing immediate termination, the following may occur:

- Abends in processes accessing the IOA Global variables (subsystem environment, online, and so on.).
- Further delays in Control-O termination due to requests issued to the XAE structures when writing the IOA Global pools to the databases as part of the termination process may be deferred by the system-managed process in progress.

**Corrective Action:** None, unless immediate termination is required. If immediate termination is required, reply FORCE.

See System action for considerations before replying FORCE.
MTO14EW  monitor INITIALIZATION IS CANCELLED. START monitor WHEN XAE STRUCTURES ARE AVAILABLE

**Explanation:** The operator replied CANCEL to message IOAFBCW to cancel Control-O or CMEM initialization, after connection to an XAE structure was prevented.

Control-O or CMEM terminates.

**Corrective Action:** Start Control-O or CMEM after making sure that:

- The coupling facility required for XAE structures is available.
- XAE structures, if already allocated, are available.

MTO150I  SNAP COMMAND WAS PERFORMED. SNAP ID= id

**Explanation:** This information message indicates that Control-O or CMEM successfully executed the F CONTROLO,SNAP or F CMEM,SNAP command.

In this message, id is the snap ID as shown in the snap title.

A set of diagnostic snapshots is printed.

**Corrective Action:** No action is required.

MTO151W  IOA LOG UPDATE FAILED. SOME MESSAGES MAY BE LOST

**Explanation:** Control-O or CMEM was unable to write messages to the IOA Log file. This message follows other messages indicating the cause of the error.

Processing continues. Some messages to the IOA Log file may be lost.

**Corrective Action:** Check the preceding messages and act accordingly.

MTO152I  STANDALONE FACILITY ENABLED. rsn

**Explanation:** This information message indicates that Control-O is now entering standalone mode and will now update the IOA Log file.

When Control-M is active, update of the IOA Log file is performed by Control-M. When Control-M is not installed or inactive, update of the IOA Log file is performed by Control-O.

Control-O enters standalone mode and updates the IOA Log file.

**Corrective Action:** No action is required.

MTO153I  STANDALONE FACILITY DISABLED. rsn

**Explanation:** This information message indicates that Control-O is exiting standalone mode.

When Control-O is in standalone mode, it updates the IOA Log file. When Control-M becomes active, Control-M takes over the updating of the IOA Log file.

Control-O exits standalone mode and Control-M takes over the updating of the IOA Log file.

**Corrective Action:** No action is required.
MTO154E CONTROL-O CANNOT START. CONTROL-M IS NOT INSTALLED

**Explanation:** Control-O was set to run with SMODE set to N, but Control-M, which must execute some activities on behalf of Control-O, is not installed. If the SMODE (Stand Alone mode) installation parameter is set to N, Control-M must be installed. If Control-M is not installed, SMODE must be set to Y. Control-O terminates.

**Corrective Action:** Either install Control-M, or set the SMODE installation parameter to Y.

MTO155W SWAP OF add CHAIN ERROR. TYPE= type RC= rc

**Explanation:** Control-O is unable to pass internal request blocks to the new Control-O monitor. This message indicates an internal error.

The old Control-O monitor terminates with an error. The new monitor, however, will continue processing. Some requests may be lost.

**Corrective Action:** Contact BMC Software Customer Support.

MTO156W AUTOMATION LOG STATUS UNCHANGED

**Explanation:** This warning message is issued in response to an invalid AUTOLOG MODIFY command. Either the specified parameter is invalid, or the user specified a MODIFY command (F CONTROLO,AUTOLOG=YES/NO) designed to set the Automation Log status to a status that it already had.

The status of writing to the Automation Log is unchanged.

**Corrective Action:** Verify the command and retry if necessary.

MTO157I action SERVER serverId REQUESTED

**Explanation:** This information message indicates that Control-O has begun performing the action requested in a SERVER MODIFY command.

**Corrective Action:** No action is required.

MTO158W action SERVER serverId FAILED - rsn

**Explanation:** Control-O was unable to execute the requested SERVER MODIFY command (action). Processing continues. The status of the server remains unchanged.

**Corrective Action:** Check the reason specified in the message and proceed accordingly.

MTO159E INVALID SERVER MODIFY COMMAND - cmd

**Explanation:** This message is issued in response to a SERVER MODIFY command with invalid parameters. Processing continues. The command is ignored.

**Corrective Action:** Specify the MODIFY command with valid parameters.
MTO15AE INVALID SNAP KEYWORD = keyName

Explanation: The operator specified an invalid SNAP keyword in an F CONTROLO,SNAP/F CTMCMEM,SNAP command.

The CTOMTO program ignores this keyword. If there was only one keyword, no SNAP request is performed.

Corrective Action: Specify an F CONTROLO,SNAP/F CTMCMEM,SNAP command with valid keywords. For more information, see the SNAP command in the INCONTROL for z/OS Administrator Guide.

MTO15BE INVALID LOG KEYWORD = keyName

Explanation: The CTOMTO program detected an invalid keyword for the LOG request. Valid keywords are:

- ALL
- DEFAULT
- TRIGGER

The CTOMTO program ignores this LOG command request.

Corrective Action: Resubmit the F CONTROLO,LOG/F CTMCMEM,LOG command with a valid keyword.

MTO15CI RULE LOGGING MODE WAS SET TO modeType

Explanation: This information message indicates that Control-O or CMEM have successfully executed the F CONTROLO,LOG command.

Rules will be traced according to the new log mode.

Corrective Action: No action is required.

MTO15DI WATERMARK INFORMATION: FREE= freeNum PND= waitNum EVC= execNum WSC= wscNum

Explanation: This Control-O or CMEM message displays statistics in response to a WATERMARKS command.

The variables in this message are:
- **freeNum** - the lowest number of RQC blocks that have been free simultaneously since the monitor was started. RQC blocks are used when information is being transferred from various address spaces to the address space of the monitor. A total of 20,000 RQC blocks are available.

- **waitNum** - the highest number of PND blocks that have been in use simultaneously since the monitor was started. PND blocks store information about rules that are in Wait mode, meaning rules that are in execution and waiting to be redispached. The allocation of PND blocks is controlled by the WAITPR# parameter.

- **execNum** - the number of events (meaning messages, commands, and so on) that have been handled by the monitor since it was started. This number is reset to zero each time it reaches 1,000,000.

- **wscNum** - the number of WSC blocks that are allocated for use by the monitor. WSC blocks store temporary information while handling events. The allocation of WSC blocks is controlled by the WSC# parameter.

**Note:**

The WATERMARKS command is currently supported for compatibility reasons only. More detailed statistical information about the usage of internal resources is available by means of the USAGESTATS command. For more information, see the INCONTROL for z/OS Administrator Guide.

**Corrective Action:** No action is required.

**MTO15EI type USAGE: CURRENTLY curr%, HIGHEST high% (curr AND high OUT OF total)**

**Explanation:** This message displays usage statistics relating to internal Control-O or CMEM resources in response to a USAGESTATS command.

The variables in this message are:

- **type** - the type of resource to which the usage statistics displayed relate. Valid values for **type** are:

<table>
<thead>
<tr>
<th>type</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>PND</td>
<td>PND blocks, also known as “wait elements” PND blocks store information about rules that are in Wait mode, meaning rules that are in execution and waiting to be redispached. The allocation of PND blocks is controlled by the WAITPR# parameter.</td>
</tr>
<tr>
<td>RQC</td>
<td>RQC blocks, also known as “request elements” RQC blocks are used when information is being transferred from various address spaces to the address space of the monitor. A total of 20,000 RQC blocks are available.</td>
</tr>
<tr>
<td>WSC</td>
<td>WSC blocks, also known as “work buffers” WSC blocks store temporary information while handling events. The allocation of WSC blocks is controlled by the WSC# parameter.</td>
</tr>
</tbody>
</table>
INCONTROL for z/OS Messages Manual

- **curr%** - the percentage of the allocated *type* resources that are currently in use
- **high%** - the highest percentage of *type* resources that have been in use at one time since the monitor was started
- **curr** - the amount of *type* resources currently in use
- **high** - the highest amount of *type* resources that have been in use at one time since the monitor was started
- **total** - the total amount of *type* resources currently allocated

**Corrective Action:** In normal circumstances, the highp percentage figure should remain below 50%. If you notice high usage percentages, contact your INCONTROL administrator. Possible causes are:

- There are rules in the system that consume excessive amounts of internal resources.
- Some parameters require adjustment to accommodate the workload of the system.

**MTO15FE INVALID USAGESTATS KEYWORD = type**

**Explanation:** A request was made for usage statistics relating to internal Control-O or CMEM resources, by means of a USAGESTATS command. However, the request referred to an invalid type of resources.

In this message, *type* is the invalid resource type. Valid values for the resource type keyword are:

Valid values for *type* are:

<table>
<thead>
<tr>
<th>Resource Type Keyword</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL</td>
<td>All resource types supported by the USAGESTAT command. Default.</td>
</tr>
<tr>
<td>PND</td>
<td>PND blocks, also known as “wait elements”. The allocation of PND blocks is controlled by the WAITPR# parameter.</td>
</tr>
<tr>
<td>RQC</td>
<td>RQC blocks, also known as “request elements”. A total of 20,000 RQC blocks are available.</td>
</tr>
<tr>
<td>WSC</td>
<td>WSC blocks, also known as “work buffers”. The allocation of WSC blocks is controlled by the WSC# parameter.</td>
</tr>
</tbody>
</table>

For more information on the USAGESTATS command, see the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** Reissue the command with a valid *type* value, or with no value for *type* (which defaults to ALL).

**Messages MTO200 through MTO2xx**

This group includes messages for the Control-O product.
MTO272I  CTOJ FRQ EXIT POINT SUCCESSFULLY REMOVED

**Explanation:** This information message indicates that as part of its termination process, the Control-O monitor successfully disabled and removed the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. Control-O uses the CTOJ FRQ module for ON SYSOUT and JES2 command suppression functions.

**Corrective Action:** No action is required.

MTO273W  CTOJ FRQ EXIT POINT NOT REMOVED RC = rc REASON CODE = rsn

**Explanation:** Upon termination, the Control-O monitor has failed to disable and remove the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. Control-O uses the CTOJ FRQ module for ON SYSOUT and JES2 command suppression function.

Control-O terminates without removing the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. This may cause an SOC4 code in various jobs under the subsystem interface. In this case, MVS automatically disables the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module.

**Corrective Action:** Inform the system programmer, and check the return code and reason code of the CSVDYNEX macro in the IBM manual *MVS Programming: Authorized Assembler Services Reference*.

MTO274E  ERROR WHILE LOADING CTOJ FRQ EXIT POINT

**Explanation:** When Control-O monitor started, it failed to load and enable the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. Control-O uses the CTOJ FRQ module for ON SYSOUT and JES2 command suppression function.

Control-O starts without enabling the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. As a result, ON SYSOUT and JES2 command suppression functions will not be active.

**Corrective Action:** Inform your system programmer.

MTO275E  CTOJ FRQ EXIT POINT NOT INSTALLED RC = rc REASON CODE = rsn

**Explanation:** When the Control-O monitor started, it failed to load and activate the IEFJ FRQ dynamic exit, which uses the CTOJ FRQ module. Control-O uses the CTOJ FRQ module for ON SYSOUT and JES2 command suppression function.

Control-O starts without enabling the IEFJ FRQ dynamic exit that uses the CTOJ FRQ module. As a result, ON SYSOUT and JES2 command suppression functions will not be active.

**Corrective Action:** Inform your system programmer and check the RC and REASON CODE of the CSVDYNEX macro in the *IBM OS/390 Authorized Macros and Services Guide*.

MTO276I  CTOJ FRQ EXIT POINT SUCCESSFULLY INSTALLED

**Explanation:** This information message indicates that when the Control-O monitor started, it successfully enabled the dynamic exit IEFJ FRQ that uses the CTOJ FRQ module. Control-O uses the CTOJ FRQ module for ON SYSOUT and JES2 command suppression function.

**Corrective Action:** No action is required.
Messages MTO300 through MTO3xx

This group includes messages for the Control-O product.

MTO350E ERROR FREEING STORAGE. ADDR= \textit{addr} LEN= \textit{length} SP= \textit{subpool} RELATED = \textit{rel}

**Explanation:** An internal error was detected.
During termination, Control-O or CMEM frees internal control blocks and work areas. An error occurred while this was being done.
Control-O or CMEM continues termination.

**Corrective Action:** Contact BMC Software Customer Support.

MTO351I SERVER \textit{serverId} WAS \textit{action}

**Explanation:** This information message indicates that a requested SERVER MODIFY command was performed successfully.

**Corrective Action:** No action is required.

MTO352W SERVER \textit{serverId} DID NOT RESPOND TO STOP REQUESTS. SERVER STATUS OVERRIDDEN

**Explanation:** Server \textit{serverId} did not respond to a STOP request.
When Control-O executes a server STOP request, it waits for acknowledgment from the server. If the server does not respond within thirty seconds, this message is displayed.
The specified server is given the status ENDED WITH AN ERROR.

**Corrective Action:** Check output and messages issued by the problem server. If necessary, bring down the server and start a new one.

MTO353I \textit{mod} RELOADED. OLD: \textit{datetime1} NEW: \textit{datetime2}

**Explanation:** This information message indicates that the RELOAD command completed execution successfully.
This message provides the installation date and time of the old and newly-replaced modules in mm/dd/yy hh.mm format.
The variables in this message are:
- \textit{mod} - the name of the module that was successfully reloaded
- \textit{datetime1} - the assembly date of the old module
- \textit{datetime2} - the assembly date of the newly installed module

**Corrective Action:** No action is required.
MTO354I SERVER STCID TYP QLN STIME STATUS

Explanation: This information message is the normal response of the Control-O monitor to the \texttt{F CONTROLO,SERVER=serverid,DISPLAY} operator command.

This message is the header for information in messages CTO355I and MTO355I.

Corrective Action: No action is required.

MTO355I serverId jobId type queueLength statusTime status

Explanation: The Control-O monitor sends this information message to the console in response to the command \texttt{F CONTROLO,SERVER=serverId,DISPLAY}.

Each occurrence of this message describes a server defined to Control-O. These messages are preceded by message CTO354I or MTO354I that provides the header. The information in this message is in the same format as the Option SERVERS screen of the Automation Options facility.

For more information, see the online facilities chapter of the \textit{Control-O User Guide}.

Corrective Action: No action is required.

MTO356I modifyCmdText

Explanation: This information message displays the text of the submitted modify command.

Corrective Action: No action is required.

MTO357I COMMAND ENDED SUCCESSFULLY

Explanation: This information message indicates that the last modify command ended successfully.

Corrective Action: No action is required.

MTO358W LIMIT OF LINES REACHED. FURTHER LINES NOT DISPLAYED

Explanation: More than 1,000 lines were issued in response to a modify command specified with the \texttt{DISPLAY} parameter.

When more than 1,000 lines are issued to the operator's console, Control-O terminates the command which is creating the lines, to avoid a shortage of space in the console's buffer.

Only the first 1,000 lines are displayed.

Corrective Action: No action is required.

MTO359W CONTROL-O COSMOS IS NOT ACTIVE

Explanation: The user attempted to stop COSMOS while it was not active.

The COSMOSSTOP command is ignored.

Corrective Action: No action is required.

MTO35AW CONTROL-O COSMOS IS ALREADY ACTIVE

Explanation: The user attempted to start COSMOS while it was active.
INCONTROL for z/OS Messages Manual

The COSMOSSTART command is ignored.

Corrective Action: No action is required.

MTO35BI OBJECTDB METHODDB MODE

Explanation: This information message is the header for data provided in message CTO35CI.

This message is the normal response of Control-O to the F CONTROLO,COSMOS=cosmosdb,DISPLAY operator command.

This command displays general information about COSMOS Object databases.

Corrective Action: No action is required.

MTO35CI objectDb methodDb mode

Explanation: This information message is the normal response of Control-O to the F CONTROLO,COSMOS=cosmosdb,DISPLAY operator command.

Each occurrence of this message describes an Object database under COSMOS control. Message CTO35BI generates the message header.

The variables in this message are:

- objectDb - Working COSMOS object database.
- methodDb - COSMOS Method databases.
- mode - Current COSMOS database mode.

Corrective Action: The COSMOS commands are explained in the Control-O/COSMOS User Guide.

MTO35DW INVALID COSMOS MODIFY COMMAND - errorText

Explanation: The user issued a COSMOS command with invalid parameters.

In this message, errorText describes the error.

The command is ignored. Processing continues.

Corrective Action: Specify the COSMOS command with valid parameters. For more information on COSMOS commands, see the Control-O/COSMOS User Guide.

MTO35EW action COSMOS id FAILED - text

Explanation: The specified action (action) on the id COSMOS ID failed.

An invalid syntax, action or ID was specified.

The system ignores the command.

Corrective Action: Correct the syntax, action, or ID and reissue the command.

MTO35FW MODIFY COMMAND REJECTED

Explanation: The user attempted to issue an invalid modify command to the Control-O monitor.

The system rejects the command.
**Corrective Action:** Correct the command syntax and reenter the command

**MTO360E ERROR IN RELOAD INITIALIZATION**

**Explanation:** The RELOAD modify command encountered a problem with the Control-O SSVT or one of its function routines.
The internal control block structure has been corrupted.
The RELOAD modify command is terminated.

**Corrective Action:** Bring down and restart Control-O. RELOAD is not necessary.

**MTO361E ERROR IN RELOAD PRELIMINARY PHASE**

**Explanation:** The RELOAD modify command encountered a problem with an MVS macro instruction.
The user tried to reload the CTOWTO Control-O module in storage but this module was not found in the Control-O STEPLIB libraries.
The RELOAD modify command is terminated.

**Corrective Action:** Bring down and restart Control-O. RELOAD is not necessary.

**MTO362E ERROR IN RELOAD PROCESSING**

**Explanation:** The RELOAD modify command encountered a problem with an MVS macro instruction.
There may not be enough CSA (Common Service Area) storage available to load the new CTOWTO module.
The RELOAD modify command is terminated.

**Corrective Action:** Bring down and restart Control-O. RELOAD is not necessary.

**MTO363E ERROR IN RELOAD BACK-END PROCESSING**

**Explanation:** In response to the RELOAD modify command, Control-O encountered a problem when attempting to deallocate a routine.
The internal control block structure has been corrupted.
The RELOAD modify command is completed, but cleanup processing is aborted.

**Corrective Action:** No action is required.

**MTO364E ALTERNATE SUBSYSTEM SSCT ENTRY NOT FOUND**

**Explanation:** The alternate subsystem SSCT entry specified in ALTSSN CTOPARM parameter is not in the system.
Control-O monitor failed to find the SSCT prior to activating the alternate subsystem.
Control-O monitor routine continues without activating the alternate subsystem.

**Corrective Action:** Add the alternate subsystem name to the IEFSSNxx member in the SYS1.PARMLIB library and then IPL the system. The alternate subsystem cannot be activated until after the IPL.
MTO366E CONTROL-O COSMOS IS NOT INSTALLED

**Explanation:** The user attempted to enter a COSMOS command. However, Control-O COSMOS was not installed.

Control-O ignores the command and processing continues.

**Corrective Action:** Install Control-O COSMOS.

MTO367E SMODE VALID VALUES ARE F, Y, AND N

**Explanation:** An invalid value was specified for the SMODE parameter in an operator command.

Valid values for SMODE (stand alone mode) are:

- **F (Forced)** - Each Control-O copy is responsible for updating the IOA Log file. Default. BMC Software recommends that you do not change this default.
- **Y (Yes)** - Each Control-O copy passes requests to write to the IOA Log file to Control-M by means of the communications file, except for requests initiated by the New Day procedure (which are treated as if SMODE is set to F). Setting SMODE to Y causes less ENQ contention for the IOA Log file but increases pressure on the Control-M monitor.
- **N (No)** - Control-O always passes requests to write to the IOA Log file to Control-M by means of the communications file.

The operator command is ignored.

**Corrective Action:** Specify a valid value for the SMODE parameter and reissue the command. For more information, see SMODE in the *INCONTROL for z/OS Administrator Guide*.

MTO36GW CTOWTO CANNOT BE RELOADED BECAUSE XES SYSTEM-MANAGED REBUILD IS IN PROGRESS. TRY TO RELOAD LATER.

**Explanation:** CTOWTO cannot be reloaded until the system-managed process ends.

The RELOAD command is rejected.

**Corrective Action:** Wait for the system-managed process to end and reissue the RELOAD command.

MTO36HE INVALID MODULE NAME SPECIFIED IN RELOAD COMMAND.

**Explanation:** A REALOD modify command has been issued for an invalid module name. The module name is either not a module or not a reloadable module. The invalid module name appears in the previous MTO356I message, which echoed the modify command.

The command is ignored.

**Corrective Action:** Issue the command again with the correct reloadable module name.

Messages MTO600 through MTO6xx

This group includes messages for the Control-O product.
MTO600E ERROR RUNNING CTOCMCK RC= rc

Explanation: The CTOGATE communication facility failed to initialize.
CTOMTO called the CTOCMCK module and then ended with an error. This message follows a CTOGATE error message generated by the CTOCMCK module.
CTOGATE aborts.
Corrective Action: Correct and re-initialize CTOGATE.

MTO614I COMMUNICATION STOPPED

Explanation: This information message indicates that communication stopped due to an operator request.
Control-O communication stops.
Corrective Action: No action is required.

MTO615I COMMUNICATION STARTED.

Explanation: This information message indicates that communication started due to an operator request.
Control-O communication starts.
Corrective Action: No action is required.

MTO616I COMMUNICATION WAS ALREADY STARTED.

Explanation: The user attempted to start communication. However, it was already operating.
Corrective Action: No action is required.

MTO617I COMMUNICATION WAS ALREADY STOPPED.

Explanation: The user attempted to stop communication. However, it had already been stopped.
Corrective Action: No action is required.

MTO619I COMMUNICATION CANNOT BE ACTIVATED.

Explanation: This information message indicates that the user was unable to activate Control-O communication.
STARTCOMM modify command cannot be performed. Control-O was started with the CTOGATE parameter set to NO.
Control-O communication is not activated.
Corrective Action: Start Control-O with the CTOGATE parameter set to YES in the CTOPARM member.

MTO61FI CONTROL-O COMMUNICATION IS ACTIVE. NETWORK NAME= sysname, NETWORK MAP= memName'

Explanation: This information message indicates that Control-O communication initialization is complete.
Communication is operating using system name sysname and communication network map memName.

**Corrective Action:** No action is required.

**Messages MTO700 through MTO7xx**

This group includes messages for the Control-O product.

**MTO780I Initialization of OpenEdition Environment Started**

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor detected an environment which supports the MVS OpenEdition interface with Control-O and began initializing the OpenEdition environment.

**Corrective Action:** No action is required.

**MTO781I OpenEdition Interface Module Successfully Loaded**

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor loaded the OpenEdition interface module into storage. This message is issued only for the first Control-O or CMEM monitor in the system.

**Corrective Action:** No action is required.

**MTO782I Subsystem Registered with OpenEdition Interface**

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

The current Control-O or CMEM subsystem has registered itself (meaning, recorded its name) with the OpenEdition interface in order to receive OpenEdition events from the interface.

**Corrective Action:** No action is required.

**MTO783I Initialization of OpenEdition Environment Ended Successfully**

**Explanation:** This information message is the normal start message issued during initialization of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

OpenEdition support for the current Control-O or CMEM monitor is successfully installed. Control-O or CMEM will trigger rules based on OpenEdition events.

**Corrective Action:** No action is required.

**MTO784W OS/390 Version Is 2.4 or Higher But PTF Level Is Too Low**

**Explanation:** Control-O or CMEM tried to install OpenEdition support but found an incompatible PTF level.
Control-O or CMEM support for OpenEdition events is required for OS/390 version 2.4 and later. The PTF level in MVS is too low to install the OpenEdition interface.

The following system actions occur:

- Initialization of the OpenEdition interface fails.
- Initialization of Control-O or the CMEM monitor continues.
- Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set triggering based on FTP transmissions.

**Corrective Action:** Install IBM PTF for APAR OW36163, which enables Control-O or CMEM support for OpenEdition.

**MTO785W UNABLE TO REGISTER WITH OPENEDITION INTERFACE: rsn**

**Explanation:** The Control-O or CMEM subsystem could not register with the OpenEdition interface during initialization.

Possible values for *rsn* are:

- TOO MANY SUBSYSTEMS - The OpenEdition interface already registered the maximum number of subsystems.
- LOCK CANNOT BE OBTAINED - Control-O or the CMEM monitor cannot acquire the OpenEdition interface lock, which is needed for registration.
- NO SUPPORT FOR DYNAMIC CTOSSI - The fixes (PTFs) that are required to support Control-O or CMEM interface for USS (UNIX Services for OS/390) where Control-O or CMEM is installed are missing.

Initialization of the OpenEdition interface fails. Initialization of Control-O or the CMEM monitor continues. Control-O or the CMEM monitor will not be able to handle OpenEdition events, such as data set triggering based on FTP transmissions. If the value of *rsn* is NO SUPPORT FOR DYNAMIC CTOSSI, the Control-O or CMEM interface for USS is disabled.

**Corrective Action:** If the value of *rsn* is TOO MANY SUBSYSTEMS, shut down a different Control-O or CMEM monitor and restart the current monitor.

If the value of *rsn* is LOCK CANNOT BE OBTAINED, restart the current monitor. If the problem persists, call your INCONTROL administrator.

(version 6.1.00) If the value of *rsn* is NO SUPPORT FOR DYNAMIC CTOSSI, apply the following fixes to all environments: PA01142, PA01143, PA01144 and PA01147.

**MTO786W LOAD OF OPENEDITION INTERFACE MODULE FAILED: rsn**

**Explanation:** During initialization of the OpenEdition interface, Control-O or CMEM could not load the OpenEdition support module.

In this message, *rsn* is one of the following:
LOAD TO PRIVATE REGION FAILED
CSA GETMAIN FAILED
LOAD TO CSA FAILED

If the value of \texttt{rsn} is LOAD TO PRIVATE REGION FAILED: Control-O or CMEM monitor could not load the OpenEdition support module in its own private region.

If the value of \texttt{rsn} is CSA GETMAIN FAILED: Control-O or the CMEM monitor could not acquire storage in the Common Service Area (CSA) for the OpenEdition support module.

If the value of \texttt{rsn} is LOAD TO CSA FAILED: Control-O or the CMEM monitor could not load the OpenEdition support module to the Common Service Area (CSA).

The following system actions occur:

- Initialization of the OpenEdition interface fails.
- Initialization of Control-O or the CMEM monitor continues.
- Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set triggering based on FTP transmissions.

Corrective Action: If the value of \texttt{rsn} is LOAD TO PRIVATE REGION FAILED: determine the cause of the failure using previous messages. Possible causes are:

- The Control-O or CMEM region is too small.
- The CTOAODT module is not in the Control-O CMEM STEPLIB.

If the value of \texttt{rsn} is CSA GETMAIN FAILED, make sure that the CSA has at least 8K of free storage, then restart the Control-O or CMEM monitor.

If the value of \texttt{rsn} is LOAD TO CSA FAILED, use the contents of previous messages to determine the cause of the failure.

\textbf{MTO787E \textit{INITIALIZATION OF OPENEDITION ENVIRONMENT FAILED}}

\textbf{Explanation:} Control-O or CMEM tried to install the OpenEdition interface but an error occurred during initialization of the interface.

The following system actions occur:

- Initialization of the OpenEdition interface fails.
- Initialization of Control-O or the CMEM monitor continues.
- Control-O or the CMEM monitor will not be able to handle OpenEdition events such as data set triggering based on FTP transmissions.

Corrective Action: Look for previous messages which explain the cause of the failure. Call your INCONTROL administrator.

\textbf{MTO788I \textit{SUBSYSTEM ALREADY REGISTERED WITH OPENEDITION INTERFACE}}

\textbf{Explanation:} This information message indicates that Control-O or the CMEM monitor tried to register with the OpenEdition interface but found the subsystem was already registered.
A possible cause is a previous uncompleted termination of CMEM or Control-O.

**Corrective Action:** No action is required.

**MTO789W OPENEDITIION ADDRESS SPACE HAS NOT COMPLETED INITIALIZATION**

**Explanation:** During Control-O startup, Control-O tried to activate OPENEDITIION (UNIX for MVS) support. The attempt failed for one of the following reasons:

- The system is earlier than OS/390 version 2.4.
- IBM APAR OW36163 is missing.

The preconditions for using Control-O/OPENEDITIION (UNIX for MVS) are:

- The system must be at OS/390 version 2.4 or later.
- IBM APAR OW36163 must be applied.

The Control-O startup process completes but does not support OPENEDITIION.

**Corrective Action:** If the system is earlier than OS/390 version 2.4, ignore this message. Otherwise, apply IBM APAR OW36163.

**MTO790I DEACTIVATION OF OPENEDITIION ENVIRONMENT STARTED**

**Explanation:** This information message is the normal message issued during termination of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor detected an active OpenEdition interface environment and started its termination procedure.

**Corrective Action:** No action is required.

**MTO791I SUBSYSTEM REMOVED FROM OPENEDITIION INTERFACE**

**Explanation:** This information message is the normal message generated during termination of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

The current Control-O or CMEM subsystem removed itself from the OpenEdition interface in order to stop receiving OpenEdition events.

**Corrective Action:** No action is required.

**MTO792I OPENEDITIION INTERFACE MODULE REMOVED**

**Explanation:** This information message is the normal message issued during termination of Control-O or the CMEM monitor when using OS/390 version 2.4 or later.

Control-O or the CMEM monitor removed the OpenEdition support module from storage. This message is displayed only during termination of the last Control-O or the CMEM monitor in the system.

**Corrective Action:** No action is required.
MTO793I DEACTIVATION OF OPENEDITION ENVIRONMENT ENDED SUCCESSFULLY

Explanation: This information message is the normal message issued during termination of the CMEM monitor or Control-O when using OS/390 version 2.4 or later.

The OpenEdition interface for the current Control-O or CMEM monitor has been successfully removed.

Corrective Action: No action is required.

MTO794W DEACTIVATION OF OPENEDITION ENVIRONMENT FAILED

Explanation: Control-O or CMEM tried to remove OpenEdition support but encountered an error.

An error occurred during termination of the OpenEdition interface.

Termination of Control-O or the CMEM monitor continues. Warnings may be issued the next time Control-O or CMEM is activated.

Corrective Action: Look for previous messages which explain the cause of the failure. Verify successful initialization the next time Control-O or CMEM is activated.

MTO795W OPENEDITION INTERFACE MODULE NOT INSTALLED

Explanation: Control-O or the CMEM monitor could not find the OpenEdition interface module during termination.

During termination Control-O or CMEM detected an environment which supports the OpenEdition interface but could not find the OpenEdition support module which should have been installed during initialization.

Termination of Control-O or the CMEM monitor continues. Warnings may be issued the next time Control-O or CMEM is activated.

Corrective Action: Look for previous messages which explain the cause of the failure. Verify successful initialization the next time Control-O or CMEM is activated.

MTO796W SUBSYSTEM NOT REMOVED FROM OPENEDITION INTERFACE: rsn

Explanation: Control-O or CMEM could not remove its subsystem name from the OpenEdition interface during termination.

If the value of rsn is SUBSYSTEM NOT FOUND, Control-O or CMEM could not find its subsystem name registered with the OpenEdition interface.

If the value of rsn is LOCK CANNOT BE OBTAINED, Control-O or the CMEM monitor could not get the OpenEdition interface lock it needs to remove its name.

Termination of Control-O or the CMEM monitor continues. Warnings may be issued the next time Control-O or CMEM is activated.

Corrective Action: Look for previous messages which explain the cause of the failure. Verify successful initialization the next time Control-O or CMEM is activated.
MTO797E INVALID MODIFY-REFRESH SUBPARAMETERS. VALID PARAMETERS ARE: XCF

**Explanation:** The user issued the command F Control-O, REFRESH=\(parm\) to refresh the Control-O communication definitions, but the value of \(parm\) was invalid.

The valid value of the subparameter is XCF.
Refesh of the Control-O communication definition fails.

**Corrective Action:** Correct and reenter the command.

MTO798E ERROR IN MODIFY-REFRESH PROCESSING

**Explanation:** An error was detected while attempting to refresh the XCF configuration map of Control-O, which defines the MVS image names with which Control-O can work.
Refresh of the Control-O communication definition by the REFRESH command fails.

**Corrective Action:** Refer to the earlier accompanying messages in the Control-O JOBLOG or SYSLOG.

Messages MTO800 through MTO8xx

This group includes messages for the Control-O product.

MTO820I INITIALIZATION OF SMS SUPPORT STARTED

**Explanation:** This information message indicates that Control-O started initializing SMS support.

**Corrective Action:** No action is required.

MTO821I SMS INTERFACE MODULE SUCCESSFULLY LOADED

**Explanation:** This information message indicates that a Control-O subsystem loaded the SMS interface module into storage.

The first Control-O subsystem to initialize itself loads the SMS interface.

**Corrective Action:** No action is required.

MTO822I SUBSYSTEM REGISTERED WITH SMS INTERFACE

**Explanation:** This information message indicates that the current Control-O subsystem registered itself with the SMS interface.

Control-O subsystems must be registered with the SMS interface to receive SMS events from it.

**Corrective Action:** No action is required.

MTO823I INITIALIZATION OF SMS SUPPORT ENDED SUCCESSFULLY

**Explanation:** This information message indicates that SMS support for the current Control-O subsystem was installed successfully.

Control-O requires SMS ACS exit routines to trigger rules based on SMS events.
**Corrective Action:** No action is required.

**MTO824W LOAD OF CAB ALLOCATOR MODULE FAILED**

**Explanation:** Control-O could not load IOACAB. Control-O needs the IOACAB program to install the SMS interface module. The following system actions occur:

- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Check the IOA load library.

**MTO825W UNABLE TO REGISTER WITH SMS INTERFACE rsn**

**Explanation:** Control-O could not register with the SMS interface during initialization. Valid values for rsn are:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOO MANY SUBSYSTEMS</td>
<td>The SMS interface had already registered the maximum number of subsystems.</td>
</tr>
<tr>
<td>LOCK CANNOT BE OBTAINED</td>
<td>Control-O could not get the SMS interface lock that it needs for registration.</td>
</tr>
</tbody>
</table>

The following system actions occur:

- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Do one of the following:

- If the value of rsn is TOO MANY SUBSYSTEMS, shut down a different Control-O monitor and restart the current one.
- If the value of rsn is LOCK CANNOT BE OBTAINED, restart the current Control-O monitor.

If the problem persists, call your INCONTROL administrator.

**MTO826W LOAD OF SMS INTERFACE FAILED: rsn**

**Explanation:** Control-O could not load the SMS interface module. In this message, rsn may be one of the following:
LOAD TO PRIVATE REGION FAILED - Control-O could not load the SMS interface module into its own private region.

CSA GETMAIN FAILED - Control-O could not get the storage in the Common Service Area (CSA) that it needs for the SMS interface module.

LOAD TO CSA FAILED - Control-O could not load the SMS interface module into the CSA.

The following system actions occur:

- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Do one of the following:

- If the value of `rsn` is LOAD TO PRIVATE REGION FAILED, check earlier messages to determine the cause of failure. The following are possible causes:
  - The region allocated for Control-O is too small.
  - The CTOACS module is not in the Control-O STEPLLIB library.
- If the value of `rsn` is CSA GETMAIN FAILED, make sure that at least 8KB are allocated for the CSA and restart Control-O.
- If the value of `rsn` is LOAD TO CSA FAILED, check earlier messages to determine the cause of failure.

**MTO827E** **INITIALIZATION OF SMS SUPPORT FAILED**

**Explanation:** An initialization error occurred when Control-O tried to install the SMS interface.

The following system actions occur:

- SMS interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle SMS events.

**Corrective Action:** Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.

**MTO828I** **SUBSYSTEM ALREADY REGISTERED WITH SMS INTERFACE**

**Explanation:** This information message indicates that the current Control-O subsystem did not register with the SMS interface because it was already registered.

This may be because a previous Control-O subsystem did not end correctly.

SMS interface initialization continues.

**Corrective Action:** No action is required.
MTO829E ALLOCATION OF CVT CUSTOMER ANCHORED BLOCK FAILED

**Explanation:** Control-O could not allocate a block of storage anchored to the z/OS communication vector table (CVT).

Even though the block of storage has not yet been allocated, Control-O could not allocate it.

The following system actions occur:
- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.

MTO82AW LOAD OF SMS INTERFACE MODULE FAILED: CSA GETMAIN FAILED

**Explanation:** During the Control-O monitor initialization, Control-O failed to GETMAIN the storage in E/CSA, which is required for the CTOACS module, and as a result the Control-O/DFSMS interface is disabled.

**Corrective Action:** Contact your systems programmer for assistance. Control-O requires about 1024 bytes. If the problem is not resolved, call BMC Software Customer Support for assistance and provide the step name indicated in the message.

MTO82BW LOAD OF SMS INTERFACE MODULE FAILED: LOAD TO CSA FAILED

**Explanation:** During the Control-O monitor initialization, Control-O failed to load the CTOACS module into E/CSA, and as a result the Control-O/DFSMS interface is disabled.

**Corrective Action:** Contact your systems programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

MTO82CW UNABLE TO REGISTER WITH SMS INTERFACE: NO PROPER ENTRY IN SSTABLE

**Explanation:** This warning message indicates that Control-O detected an internal problem. The Control-O/DFSMS interface is disabled.

**Corrective Action:** Contact BMC Software Customer Support.

MTO830I DEACTIVATION OF SMS SUPPORT STARTED

**Explanation:** This information message indicates that Control-O started deactivating an SMS interface.

**Corrective Action:** No action is required.
MTO831I  SUBSYSTEM REGISTRATION REMOVED FROM SMS INTERFACE

Explanation: This information message indicates that Control-O removed its registration from the SMS interface.

When a Control-O subsystem is not registered with the SMS interface, it cannot receive SMS events from the SMS interface.

Corrective Action: No action is required.

MTO832I  SMS INTERFACE MODULE REMOVED

Explanation: This information message indicates that Control-O removed the SMS interface module from storage.

The last Control-O subsystem removed unloads the SMS interface module.

Corrective Action: No action is required.

MTO833I  DEACTIVATION OF SMS SUPPORT ENDED SUCCESSFULLY

Explanation: This information message indicates that SMS support for the current Control-O subsystem was removed successfully.

Corrective Action: No action is required.

MTO834W  DEACTIVATION OF SMS SUPPORT FAILED

Explanation: An error occurred when Control-O tried to remove the SMS interface module.

The following system actions occur:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

Corrective Action: Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

MTO835W  SMS INTERFACE MODULE NOT INSTALLED

Explanation: Control-O could not find the SMS interface module to delete it.

Control-O detected an environment that supports the SMS interface. However, it could not find the SMS interface module that should have been installed during initialization.

The following system actions occur:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

Corrective Action: Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

**MTO836W SUBSYSTEM NOT REMOVED FROM SMS INTERFACE: \textit{rsn}**

\textbf{Explanation:} Control-O could not remove its subsystem name from the SMS interface.

The value of \textit{rsn} may be one of the following:
- \textbf{SUBSYSTEM NOT FOUND} - The name of the current Control-O subsystem is not registered in the SMS interface.
- \textbf{LOCK CANNOT BE OBTAINED} - Control-O could not get the SMS interface lock that it needs to remove its registration.

The following system actions occur:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

\textbf{Corrective Action:} Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

**MTO837W SUBSYSTEM NOT REMOVED FROM SMS INTERFACE:**

\textbf{SUBSYSTEM NOT FOUND}

\textbf{Explanation:} Control-O could not remove its subsystem name from the SMS interface because the name of the current Control-O subsystem is not registered in the SMS interface.

The following system actions occur:
- Control-O termination continues.
- The next attempt to activate Control-O might produce warnings.

\textbf{Corrective Action:} Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

**MTO83AI INITIALIZATION OF AUTOOPERATOR SUPPORT STARTED**

\textbf{Explanation:} This information message indicates that Control-O started initializing AutoOPERATOR support.

\textbf{Corrective Action:} No action is required.

**MTO83BW UNABLE TO REGISTER WITH AUTOOPERATOR INTERFACE:**

\textbf{LOCK CANNOT BE OBTAINED}

\textbf{Explanation:} Control-O could not register with the AutoOPERATOR interface during initialization because Control-O could not obtain the AutoOPERATOR interface lock that it needs for registration.
The following system actions occur:

- **AUTOOPERATOR interface initialization fails.**
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

**Corrective Action:** Restart the current Control-O monitor. If the problem persists, call your INCONTROL administrator.

**MTO83CI AUTOOPERATOR INTERFACE MODULE SUCCESSFULLY LOADED**

**Explanation:** This information message indicates that Control-O successfully loaded the AutoOPERATOR interface module.

**Corrective Action:** No action is required.

**MTO83DW UNABLE TO REGISTER WITH AUTOOPERATOR INTERFACE: NO PROPER ENTRY IN SSTABLE**

**Explanation:** Control-O could not register with the AutoOPERATOR interface during initialization because Control-O could not locate its entry in the INCONTROL internal subsystems table.

The following system actions occur:

- AutoOPERATOR interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

**Corrective Action:** Restart the current Control-O monitor. If the problem persists, call your INCONTROL administrator.

**MTO83EI SUBSYSTEM REGISTERED WITH AUTOOPERATOR INTERFACE**

**Explanation:** This information message indicates that the current Control-O subsystem registered itself with the AutoOPERATOR interface.

**Corrective Action:** No action is required.

**MTO83FI INITIALIZATION OF AUTOOPERATOR SUPPORT ENDED SUCCESSFULLY**

**Explanation:** This information message indicates that Control-O initialization of the AutoOPERATOR support ended successfully.

**Corrective Action:** No action is required.

**MTO83GE INITIALIZATION OF AUTOOPERATOR SUPPORT FAILED**

**Explanation:** An initialization error occurred when Control-O tried to initialize the AutoOPERATOR interface.

The following system actions occur:
AutoOPERATOR interface initialization fails.
Control-O initialization continues.
Control-O does not handle AutoOPERATOR events.

Corrective Action: Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.

**MTO83HW LOAD OF AUTOOPERATOR INTERFACE MODULE FAILED: LOAD TO PRIVATE FAILED**

**Explanation:** Control-O could not load the AutoOPERATOR interface module because it could not load the module into its own private region.

The following system actions occur:
- AutoOPERATOR interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

**Corrective Action:** Check earlier messages to determine the cause of failure. The following are possible causes:
- The region allocated for Control-O is too small.
- The CTOAAO module is not in the Control-O STEPLIB library.

**MTO83IW LOAD OF AUTOOPERATOR INTERFACE MODULE FAILED: CSA GETMAIN FAILED**

**Explanation:** Control-O could not load the AutoOPERATOR interface module because it could not get the storage in the Common Service Area (CSA) that it needs for the AutoOPERATOR interface module.

The following system actions occur:
- AutoOPERATOR interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle AutoOPERATOR events.

**Corrective Action:** Check earlier messages to determine the cause of failure.

**MTO83JW LOAD OF AUTOOPERATOR INTERFACE MODULE FAILED: LOAD TO CSA FAILED**

**Explanation:** Control-O could not load the AutoOPERATOR interface module because it could not load the AutoOPERATOR interface module to the Common Service Area (CSA).

The following system actions occur:
AutoOPERATOR interface initialization fails.
Control-O initialization continues.
Control-O does not handle AutoOPERATOR events.

Corrective Action: Check earlier messages to determine the cause of failure.

MTO83KI DEACTIVATION OF AUTOOPERATOR SUPPORT STARTED

Explanation: This information message indicates that Control-O started deactivating the AutoOPERATOR interface.

Corrective Action: No action is required.

MTO83LW AUTOOPERATOR INTERFACE MODULE NOT INSTALLED

Explanation: Control-O could not find the AutoOPERATOR interface module to delete it. Control-O detected an environment that supports the AutoOPERATOR interface. However, it could not find the AutoOPERATOR interface module that is usually installed during initialization.

The following system actions occur:

- Control-O termination continues.
- The next attempt to activate Control-O might produce warnings.

Corrective Action: Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

MTO83MW SUBSYSTEM NOT REMOVED FROM AUTOOPERATOR INTERFACE: LOCK CANNOT BE OBTAINED

Explanation: Control-O could not remove its subsystem name from the AutoOPERATOR interface because Control-O could not get the AutoOPERATOR interface lock that it needs to remove its registration.

The following system actions occur:

- Control-O termination continues.
- The next attempt to activate Control-O might produce warnings.

Corrective Action: Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

MTO83NW SUBSYSTEM NOT REMOVED FROM AUTOOPERATOR INTERFACE: NO PROPER ENTRY IN SSTABLE

Explanation: When Control-O tried to remove the AutoOPERATOR interface module it could not find its entry in the internal INCONTROL subsystem table.

Control-O termination continues.
Corrective Action: Check earlier messages to determine the cause of the error.

MTO830I SUBSYSTEM REGISTRATION REMOVED FROM AUTOOPERATOR INTERFACE

Explanation: This information message indicates that Control-O unregistered the AutoOPERATOR interface.

Corrective Action: No action is required.

MTO83PI AUTOOPERATOR INTERFACE MODULE REMOVED

Explanation: This information message indicates that Control-O removed the AutoOPERATOR interface module from Common Service Area (CSA).

Corrective Action: No action is required.

MTO83QI DEACTIVATION OF AUTOOPERATOR SUPPORT ENDED SUCCESSFULLY

Explanation: This information message indicates that the Control-O deactivation of the AutoOPERATOR support ended successfully.

Corrective Action: No action is required.

MTO83RW DEACTIVATION OF AUTOOPERATOR SUPPORT FAILED

Explanation: An error occurred when Control-O tried to remove the AutoOPERATOR interface module. The following system actions occur:

- Control-O termination continues.
- The next attempt to activate Control-O might produce warnings.

Corrective Action: Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

MTO840E INITIALIZATION OF SUBSYSTEM TABLE FAILED:  text

Explanation: When Control-O starts, it defines the IOA and Control-O subsystems if they were not already defined. During the definition process, an error occurred.

In this message,  text  identifies the nature of the error. Valid values for  text  are:

<table>
<thead>
<tr>
<th>text</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOAD OF CTOSSI FAILED</td>
<td>The Control-O interface was not successfully loaded.</td>
</tr>
<tr>
<td>CSA GETMAIN FAILED</td>
<td>Control-O failed to GETMAIN in CSA.</td>
</tr>
</tbody>
</table>
### Explanation

<table>
<thead>
<tr>
<th>text</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCK CANNOT BE OBTAINED</td>
<td>Control-O failed to obtain LOCK.</td>
</tr>
<tr>
<td>TOO MANY SUBSYSTEMS</td>
<td>Control-O failed to define the subsystem, because the SSVT subsystem table already contained the maximum permitted number of subsystems.</td>
</tr>
</tbody>
</table>

Control-O terminates with a return code of 8.

**Corrective Action:** The necessary action depends on the value of `text`.

- If the value of `text` is LOAD OF CTOSSI FAILED, ensure that the Control-O STC is using the correct STEPLIB library, then restart Control-O.
- If the value of `text` is CSA GETMAIN FAILED, ensure that Control-O has sufficient storage. Control-O requires about 50K in CSA. It may be necessary to restart the system.
- If the value of `text` is LOCK CANNOT BE OBTAINED, the error may be a Control-O internal error. Try again to start Control-O. If the same error occurs, contact BMC Software Customer Support.
- If the value of `text` is TOO MANY SUBSYSTEMS, reduce the number of subsystems that are active, and try again to start Control-O. It may be necessary to deactivate one or more active subsystems, or to restart the system, before trying to restart Control-O.

**MTO841I MAINVIEW INTERFACE MODULE SUCCESSFULLY LOADED**

**Explanation:** This information message indicates that a Control-O subsystem loaded the MAINVIEW interface module into storage.

The first Control-O subsystem to initialize itself loads the MAINVIEW interface.

**Corrective Action:** No action is required.

**MTO842I SUBSYSTEM REGISTERED WITH MAINVIEW INTERFACE**

**Explanation:** This information message indicates that the current Control-O subsystem registered itself with the MAINVIEW interface.

Control-O subsystems must be registered with the MAINVIEW interface to receive MAINVIEW events from it.

**Corrective Action:** No action is required.

**MTO843I INITIALIZATION OF MAINVIEW SUPPORT ENDED SUCCESSFULLY**

**Explanation:** This information message indicates that MAINVIEW support for the current Control-O subsystem was installed successfully.

Control-O requires MAINVIEW ACS exit routines to trigger rules based on MAINVIEW events.

**Corrective Action:** No action is required.
MTO844W LOAD OF CAB ALLOCATOR MODULE FAILED

**Explanation:** Control-O could not load IOACAB.

Control-O needs the IOACAB program to install the MAINVIEW interface module.

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Check the IOA load library.

MTO845W UNABLE TO REGISTER WITH MAINVIEW INTERFACE *rsn*

**Explanation:** Control-O could not register with the MAINVIEW interface during initialization.

Valid values for *rsn* are:

<table>
<thead>
<tr>
<th><em>rsn</em></th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOO MANY SUBSYSTEMS</td>
<td>The MAINVIEW interface had already registered the maximum number of subsystems.</td>
</tr>
<tr>
<td>LOCK CANNOT BE OBTAINED</td>
<td>Control-O could not get the MAINVIEW interface lock that it needs for registration.</td>
</tr>
</tbody>
</table>

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Do one of the following:

- If the value of *rsn* is TOO MANY SUBSYSTEMS, shut down a different Control-O monitor and restart the current one.
- If the value of *rsn* is LOCK CANNOT BE OBTAINED, restart the current Control-O monitor.

If the problem persists, call your INCONTROL administrator.

MTO846W LOAD OF MAINVIEW INTERFACE FAILED: *rsn*

**Explanation:** Control-O could not load the MAINVIEW interface module.
Valid values for $rsn$ are:

<table>
<thead>
<tr>
<th>$rsn$</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOAD TO PRIVATE REGION FAILED</td>
<td>Control-O could not load the MAINVIEW interface module into its own private region.</td>
</tr>
<tr>
<td>CSA GETMAIN FAILED</td>
<td>Control-O could not get the storage in the Common Service Area (CSA) that it needs for the MAINVIEW interface module.</td>
</tr>
<tr>
<td>LOAD TO CSA FAILED</td>
<td>Control-O could not load the MAINVIEW interface module into the CSA.</td>
</tr>
</tbody>
</table>

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Do one of the following:

- If the value of $rsn$ is LOAD TO PRIVATE REGION FAILED, check earlier messages to determine the cause of failure. The following are possible causes:
  - The region allocated for Control-O is too small.
  - The CTOACS module is not in the Control-O STEPLIB library.
- If the value of $rsn$ is CSA GETMAIN FAILED, make sure that at least 8KB are allocated for the CSA and restart Control-O.
- If the value of $rsn$ is LOAD TO CSA FAILED, check earlier messages to determine the cause of failure.

**MTO847E** INITIALIZATION OF MAINVIEW SUPPORT FAILED

**Explanation:** An initialization error occurred when Control-O tried to install the MAINVIEW interface.

The following system actions occur:

- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Check earlier messages to determine the cause of failure. If necessary, call your INCONTROL administrator.

**MTO848I** SUBSYSTEM ALREADY REGISTERED WITH MAINVIEW INTERFACE

**Explanation:** This information message indicates that the current Control-O subsystem did not register with the MAINVIEW interface because it was already registered.
A possible cause is that a previous Control-O subsystem did not end correctly.

**Corrective Action:** No action is required.

**MTO84AI INITIALIZATION OF MAINVIEW SUPPORT STARTED**

**Explanation:** This information message indicates that Control-O started initializing MAINVIEW support.

**Corrective Action:** No action is required.

**MTO84BI DEACTIVATION OF MAINVIEW SUPPORT STARTED**

**Explanation:** This information message indicates that Control-O started deactivating an MAINVIEW interface.

**Corrective Action:** No action is required.

**MTO84CI SUBSYSTEM REGISTRATION REMOVED FROM MAINVIEW INTERFACE**

**Explanation:** This information message indicates that Control-O removed its registration from the MAINVIEW interface.

When a Control-O subsystem is not registered with the MAINVIEW interface, it cannot receive MAINVIEW events from the MAINVIEW interface.

**Corrective Action:** No action is required.

**MTO84DI MAINVIEW INTERFACE MODULE REMOVED**

**Explanation:** This information message indicates that Control-O removed the MAINVIEW interface module from storage.

The last Control-O subsystem removed unloads the MAINVIEW interface module.

**Corrective Action:** No action is required.

**MTO84EI DEACTIVATION OF MAINVIEW SUPPORT ENDED SUCCESSFULLY**

**Explanation:** This information message indicates that MAINVIEW support for the current Control-O subsystem was removed successfully.

**Corrective Action:** No action is required.

**MTO84FW DEACTIVATION OF MAINVIEW SUPPORT FAILED**

**Explanation:** An error occurred when Control-O tried to remove the MAINVIEW interface module.

The following system actions occur:

- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

**Corrective Action:** Do both of the following:
Check earlier messages to determine the cause of the error.
Check that the next Control-O initialization succeeds.

**MTO84GW MAINVIEW INTERFACE MODULE NOT INSTALLED**

**Explanation:** Control-O could not find the MAINVIEW interface module to delete it.
Control-O detected an environment that supports the MAINVIEW interface. However, it could not find the MAINVIEW interface module that should have been installed during initialization.

The following system actions occur:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

**Corrective Action:** Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

**MTO84HW SUBSYSTEM NOT REMOVED FROM MAINVIEW INTERFACE: rsn**

**Explanation:** Control-O could not remove its subsystem name from the MAINVIEW interface.

Valid values of *rsn* are:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBSYSTEM NOT FOUND</td>
<td>The name of the current Control-O subsystem is not registered in the MAINVIEW interface.</td>
</tr>
<tr>
<td>LOCK CANNOT BE OBTAINED</td>
<td>Control-O could not get the MAINVIEW interface lock that it needs to remove its registration.</td>
</tr>
</tbody>
</table>

The following system actions occur:
- Control-O termination continues.
- The next attempt to activate Control-O may produce warnings.

**Corrective Action:** Do both of the following:
- Check earlier messages to determine the cause of the error.
- Check that the next Control-O initialization succeeds.

**MTO84IE INITIALIZATION OF SUBSYSTEM TABLE FAILED: CSA GETMAIN FAILED**

**Explanation:** When Control-O starts, it defines the IOA and Control-O subsystems if they were not already defined. During the definition process, the Control-O failed to GETMAIN in CSA.
Control-O terminates with a return code of 8.

**Corrective Action:** Ensure that Control-O has sufficient storage. Control-O requires about 50K in CSA. It might be necessary to restart the system.

**MTO84JE INITIALIZATION OF SUBSYSTEM TABLE FAILED: LOCK CANNOT BE OBTAINED**

**Explanation:** When Control-O starts, it defines the IOA and Control-O subsystems if they were not already defined. During the definition process, the Control-O failed to obtain LOCK.

Control-O terminates with a return code of 8.

**Corrective Action:** The error might be a Control-O internal error. Try to start Control-O again. If the same error occurs, contact BMC Software Customer Support.

**MTO84KE INITIALIZATION OF SUBSYSTEM TABLE FAILED: TOO MANY SUBSYSTEMS**

**Explanation:** When Control-O starts, it defines the IOA and Control-O subsystems, if they were not defined previously. During the definition process, the Control-O failed to define the subsystem, because the number of Control-O and Control-M Event Manager (CMEM) environments defined on the LPAR exceeded the maximum of 20.

Control-O terminates with a return code of 8.

**Corrective Action:** Stop all active Control-O and CMEM monitors, run the IOACABPR (Emergency CAB Control Block Disconnect) utility, and then restart the Control-O and CMEM monitors.

**MTO84LW UNABLE TO REGISTER WITH MAINVIEW INTERFACE: NO PROPER ENTRY IN SSTABLE**

**Explanation:** Control-O could not register with the MAINVIEW interface during initialization because Control-O could not locate its entry in the INCONTROL internal subsystems table.

The following system actions occur:
- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

**Corrective Action:** Restart the current Control-O monitor. If the problem persists, call your INCONTROL administrator.

**MTO84MW LOAD OF MAINVIEW INTERFACE FAILED: CSA GETMAIN FAILED**

**Explanation:** Control-O could not load the MAINVIEW interface module because Control-O could not get the storage in the Common Service Area (CSA) that it needs for the MAINVIEW interface module.

The following system actions occur:
- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

Corrective Action: Make sure that at least 8KB are allocated for the CSA and restart Control-O.

**MTO84NW LOAD OF MAINVIEW INTERFACE FAILED: LOAD TO CSA FAILED**

Explanation: Control-O could not load the MAINVIEW interface module because Control-O could not load the MAINVIEW interface module into the Common Service Area (CSA).

The following system actions occur:
- MAINVIEW interface initialization fails.
- Control-O initialization continues.
- Control-O does not handle MAINVIEW events.

Corrective Action: Check earlier messages to determine the cause of failure.

**MTO84OW SUBSYSTEM NOT REMOVED FROM MAINVIEW INTERFACE: NO PROPER ENTRY IN SSTABL**

Explanation: When Control-O tried to remove the MAINVIEW interface module it could not find its entry in the internal INCONTROL subsystem table.

Control-O termination continues.

Corrective Action: Check earlier messages to determine the cause of failure.

Messages **MTO900 through MTO9xx**

This group includes messages for the Control-O product.

**MTO910W PARAMETER NUMCONS IN CTOPARM FORCED TO '0', DUE TO OPERATING SYSTEM RESTRICTIONS**

Explanation: Control-O changes the NUMCONS parameter, in the CTOPARM member, to zero in z/OS 1.8 or later.

The Control-O startup process continues.

Corrective Action: If the CTOPARM member is only used for Control-O in z/OS 1.8 or later, set NUMCONS=0 in the CTOPARM member.

**MTO915S ERROR IN CONTROL-O INSTALLATION PARAMETERS**

Explanation: During the startup of the Control-O monitor, an error is encountered in the Control-O installation parameters. The nature of the error is detailed in an accompanying message or messages.

The Control-O monitor terminates.

Corrective Action: Contact your INCONTROL administrator.
MTO916S ERROR OCCURRED DURING CONTROL-O INITIALIZATION

**Explanation:** During the startup of the Control-O monitor, an error occurred during Control-O initialization. The nature of the error is detailed in an accompanying message or messages. The Control-O monitor terminates.

**Corrective Action:** Contact your INCONTROL administrator.

MTO917W PARAMETER JCMDSSN SHOULD DIFFER FROM SSNAME; REPLACED WITH BLANKS

**Explanation:** During the startup of the Control-O monitor, the values of the JCMDSSN and the SSNAME parameters were found to be identical.

The JCMDSSN parameter identifies the JES2 command suppression subsystem name, and is in the CTOPARM member.

The SSNAME parameter identifies the IOA subsystem, and is in the IOAPARM parameter.

The value of the JCMDSSN parameter is replaced with blanks. Monitor startup continues.

**Corrective Action:** Contact your INCONTROL administrator.

MTO918S INSUFFICIENT MEMORY TO RUN CONTROL-O. COMPONENT: component LENGTH=getmain_length

**Explanation:** The Control-O component could not be initialized because the getmain in length getmain_length failed.

The specified monitor will shut down.

**Corrective Action:** Increase the REGION size of the specified monitor.

MTO919E monitor_type name FROM VERSION version IS USING SUBSYSTEM subsys. BRING IT DOWN BEFORE STARTING THIS MONITOR

**Explanation:** During Control-O or CMEM monitor initialization, it was discovered that the existing subsys subsystem is already activated for the version version of the monitor. The active monitor is shut down.

**Corrective Action:** Determine which monitor (the active one or the newly started) should use the subsystem and act accordingly.
This group includes messages for the Control-M/Analyzer, Control-D (including Control-D/Image and
Control-D/Page on Demand), Control-M for z/OS (including Control-M/Assist, Control-M/Links for z/OS and
Control-M/Restart), Control-O, Control-V and IOA (infrastructure) products.

NRC messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand
products.

Messages NRC900 through NRC9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand
products.

NRC930I NOTE AND RULER CONVERSION STARTED.

Explanation: This information message is issued routinely when the CTDNRC utility started.
Corrective Action: No action is required.

NRC931I WD1164 IS SET TO status

Explanation: This information message shows the current WD1164 optional wish status.
Possible values are:
- JOBNAME
- REPORT
- CATEGORY

Corrective Action: No action is required.

NRC932I NOTE AND RULER CONVERSION ENDED

Explanation: This information message indicates that the CTDNRC utility finished successfully.
Corrective Action: No action is required.

NRC933E NOTE AND RULER CONVERSION ENDED WITH ERROR

Explanation: This information message indicates that the CTDNRC utility finished with errors.
Corrective Action: Examine other messages relating to the CTDNRC utility to identify and fix the
problem, and then rerun the utility.
NRC934I record_type RECORDS: n

Explanation: This information message issue displays the number of records read and processed by the CTDNRC utility.
Possible record_type values are:
- READ
- NOT UPDATED NOTE
- NOT UPDATED RULER
- UPDATED NOTE
- UPDATED RULER

Corrective Action: No action is required.

NRC935S SORT ERROR RC=rc

Explanation: During execution of the CTDNRC utility, a sort program was activated internally, but the sort program ended with an unexpected internal return code.
In this message, rc is the unexpected internal return code.
The CTDNRC utility ends with a condition code of 08.
Corrective Action: Examine the messages issued by the sort program and the documentation relating to that program to determine the cause of the error, and take appropriate corrective action.

NRC936S OPEN FILE ddname ERROR

Explanation: During execution of the CTDNRC utility, the opening of a file failed.
Possible causes are:
- The ddname DD statement is missing.
- The data set described by the ddname DD statement contains incorrect DCB parameters.
- The data set described by the ddname DD statement cannot be opened for sequential read or write operations.
In this message, ddname is the name of the problematic DD statement.
The CTDNRC utility ends with a condition code of 08.
Corrective Action: Correct the JCL of the CTDDIP utility and rerun the job.

NRC937S INSUFFICIENT STORAGE

Explanation: There is insufficient available storage to run the CTDNRC utility.
The CTDNRC utility ends with a condition code of 08.
Corrective Action: Increase the REGION size of the utility, and rerun the utility.
NSC messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages NSC300 through NSC3xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

NSC391I NIGHT SCHEDULE REPORT STARTED

**Explanation:** This information message is the regular start message of the Night Schedule Report.

**Corrective Action:** No action is required.

NSC392S MAXIMUM NUMBER OF INCLUDE PARAMETERS EXCEEDED

**Explanation:** Too many INCLUDE statements have been specified for the current run of the utility.

Up to ten INCLUDE statements may be specified for each individual run of the utility.

The report cannot be produced for the specified number of groups. Processing is terminated.

**Corrective Action:** Decrease the number of INCLUDE statements. To produce the report for more than ten groups, use multiple runs of the utility with each run having less than ten INCLUDE statements.

NSC393I NIGHT SCHEDULE REPORT ENDED

**Explanation:** This information message is the regular termination message of the Night Schedule Report.

**Corrective Action:** No action is required.

NTP messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages NTP0 through NTP0xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

NTP001E SECURITY VIOLATION. YOU ARE NOT AUTHORIZED TO EDIT THE NOTE

**Explanation:** The user attempted to add or change a note without security authorization, but was prevented from doing so by Control-D security exit CTDX004.
**Corrective Action:** If you think you should be authorized to add or change this note, contact your INCONTROL administrator.

**NTP002E PLEASE FILL IN A VALID OPTION - "Y" OR "N"**

**Explanation:** An invalid SAVE option was specified for the note.

Valid SAVE options are:
- **Y** - Save the changes.
- **N** - Do not save the changes.

**Corrective Action:** Specify a valid SAVE option.

**NTP003E NOTE PAD FILE IS IN USE, TRY AGAIN LATER**

**Explanation:** The user tried to edit a note that is currently in use by another user.

A note that is currently in use by a user can only be browsed by other users.

The requested action is not performed.

**Corrective Action:** Try again later.

**OGR messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages OGR0 through OGR0xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**OGR004E NO MATCHING RECORDS FOUND IN THE LOG FILE**

**Explanation:** No records which match the specified parameters were found in the Log file.

The specified log file is either the IOA Log file or the Simulation Log file. No executions were found in the file for the specified groups during the specified time range (and intervals).

**Corrective Action:** Check the specified group, time range and interval parameters. Correct if necessary, and run the report again.

**Messages OGR300 through OGR3xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
OGR391I OVERNIGHT EXECUTION REPORT STARTED

Explanation: This information message indicates that processing of the Overnight Execution Report has begun.

Corrective Action: No action is required.

OGR393I OVERNIGHT EXECUTION REPORT ENDED

Explanation: This information message indicates that processing of the Overnight Execution Report has ended.

Corrective Action: No action is required.

OGR394S MAXIMUM NUMBER OF INTERVALS EXCEEDED

Explanation: There are too many intervals for the report to be run.

Within the specified time range, job executions are checked periodically at the interval determined by the specified interval parameter. The total number of intervals in which a check is to be made depends on the length of the time range and the size of the interval. However, the maximum number of intervals may occur within a specified time range is 210 intervals.

The report is not run.

Corrective Action: Either decrease the allotted time in the time range, or increase the interval value, so that the total number of intervals does not exceed 210.

OPL messages

This group includes messages for the Control-O product.

Messages OPL300 through OPL3xx

This group includes messages for the Control-O product.

OPL341S OPERLOG NOT AVAILABLE UNDER MVS/ESA 5.2

Explanation: The user tried to access the MVS OPERLOG with a system level lower than MVS/ESA 5.2. The system rejects the request and continues.

Corrective Action: Update the system to MVS/ESA 5.2 or higher.

OPL342S ERROR OPENING OPERLOG FILE

Explanation: The user tried to access the OPERLOG in a SYSPLEX environment. However, the OPERLOG could not be opened.

The system rejects the request and continues.

Corrective Action: Record the message and contact your system programmer.
OPL346S ABEND abCode INTERCEPTED WHILE PROCESSING THE OPERLOG

Explanation: The user tried to access the OPERLOG in a SYSPLEX environment but an abend was generated.

For information about abCode, see the IBM Abend Codes manual.

The system terminates the requested action.

Corrective Action: Take appropriate corrective action.

OPL347S ERROR RETURN CODE FROM A SYSTEM LOGGER REQUEST rc

Explanation: The user issued the OPER command in the OL screen to access the OPERLOG in a SYSPLEX environment. However, the request failed and the rc SYSTEM LOGGER return code was issued.

The system rejects the request.

Corrective Action: For information about the error, note the value of rc and refer to IBM LOGGER services (IXGxxx macros) in the Sysplex service manual.

OPL348S OPERLOG IS EMPTY

Explanation: The user issued the command OPER in the OL screen to access the OPERLOG in a SYSPLEX environment. In response, the system logger informed Control-O that the OPERLOG was empty.

The system rejects the request.

Corrective Action: For more information about the error, note the message and contact your system programmer.

OPL349S OPERLOG END OF FILE IS REACHED

Explanation: The user attempted to access the OPERLOG in a SYSPLEX environment and reached the end of the OPERLOG. However, no more data was available in the OPERLOG.

The system rejects the request.

Corrective Action: Reattempt access to the OPERLOG.

OSM messages

This group includes messages for the IOA (infrastructure) product.

Messages OSM100 through OSM1xx
This group includes messages for the IOA (infrastructure) product.

OSM150E mediaName - DYNAMIC ALLOCATION ERROR FOR DDNAME=SORTIN RC= rc, REASON CODE= rsn

Explanation: An error occurred while trying to allocate an OSS Extract Database file.
This error causes the dynamic allocation of the SORTIN DD statement to fail.

For a description of the return code received, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

The *mediaName* media is terminated.

**Corrective Action:** Use the return code (*rc*) and reason code (*rsn*) to determine the problem and correct it. If you cannot resolve the problem, record the DD statement, return code and reason code, and contact BMC Software Customer Support.

**OSM151E mediaName - SORT OF OSS EXTRACT DATABASE FILE FAILED.**

**Explanation:** The internal sort of the OSS Extract Database file failed.

The *mediaName* media activates the regular sort program at the site. The system log should contain additional messages about specific errors.

The *mediaName* media is terminated.

**Corrective Action:** Check the system log for messages describing the error. Contact the system programmer for assistance, if needed. If the problem is not resolved, contact BMC Software Customer Support.

**OSM152E mediaName - VOLSER volser NOT FOUND IN OSS EXTRACT DATABASE FILE**

**Explanation:** An attempt was made to view a report but the *mediaName* media was not able to find the *volser* volume serial number on which this report resides.

When *mediaName* media detects a user request to view a report, it searches the OSS Extract Database to find the volume on which the requested report resides. The OSS Extract Database does not contain an entry for volume *volser*.

The user request is not executed.

**Corrective Action:** Check the OSS Extract Database and make any appropriate corrections. Contact the system programmer for assistance, if needed.

**OSM153E mediaName - PLATTER platterId NOT FOUND FOR VOLSER volser**

**Explanation:** The *mediaName* media was not able to find the *platterId* for the *volser* volume on which this report resides.

When the *mediaName* media detects a user request to view a report, it searches the OSS Extract Database to find the *volser* and *platterId* on which this report resides. The OSS Extract Database does not contain an entry for the required *volser* and *platterId*.

The user request is not executed.

**Corrective Action:** Check the OSS Extract Database and make appropriate corrections. Contact the system programmer for assistance, if needed.
OSM154E mediaName - INTERNAL ERROR RC = rc

**Explanation:** Media mediaName encountered an internal error.

The user request is not executed. Depending on internal error severity, one of the following actions occurs:

- Media mediaName terminates. The IOA Archive Server continues processing.
- Media mediaName abends with user abend 0007. The IOA Archive Server terminates with user abend 0006. The output includes a dump of the abend.

**Corrective Action:** Check the IOA Log file and system log for messages describing the error. Contact the system programmer for assistance, if needed. If the problem is not resolved, record the return code and contact BMC Software Customer Support.

**PAS messages**

This group includes messages for the IOA (infrastructure) product.

**Messages PAS0 through PAS0xx**

This group includes messages for the IOA (infrastructure) product.

**PAS046S BLDL/LOAD FAILED FOR THE MODULE modName**

**Explanation:** Loading of the modName module failed.

Possible causes are:

- The IOA Load library is not in the load modules search list (STEPLIB + Linklist).
- There is insufficient memory.
- There is some other system-oriented reason, which may be found in the syslog.

Execution might stop.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

**Messages PASF00 through PASFx x**

This group includes messages for the IOA (infrastructure) product.

**PASF90I THE PASSWORD OF CONTROL-x IS AUTHORIZED**

**Explanation:** This information message indicates that the password for Control-x has been authorized.

**Corrective Action:** No action is required.

**PASF90S OPEN OF DDCARD ddName FAILED**

**Explanation:** The ddName DD statement pointing to the password member failed to open.
Possible causes are:

- The \textit{ddName} DD statement is missing.
- The file allocated to the \textit{ddName} DD statement is not a sequential file nor a member in a PDS.

\textbf{Authorization to access the product is denied.}

\textbf{Corrective Action:} Correct the JCL statement for the procedure or the allocations for the CLIST.

\textbf{PASF91S PASSWORD MEMBER TOO LARGE (DD \textit{ddName})}

\textbf{Explanation:} The password member (or sequential data set) has too many lines.

In this message, \textit{ddName} is the identity of the DD statement that points to the password member. 

\textbf{Authorization to access the product is denied.}

\textbf{Corrective Action:} Remove unnecessary lines from the member.

\textbf{PASF91W Control- \textit{x} IS NOT INSTALLED !}

\textbf{Explanation:} Control-\textit{x} has not been installed.

\textbf{Corrective Action:} No action is required.

\textbf{PASF92S SYNTAX ERROR IN PASSWORD MEMBER (DD \textit{ddName})}

\textbf{Explanation:} A syntax error was found in the password member. When this message is issued by the monitor, it is generally followed by message PASF9DS, which describes the erroneous line in the member.

In this message, \textit{ddName} is the identity of the DD statement that points to the password member.

\textbf{Authorization to access the product is denied.}

\textbf{Corrective Action:} Correct the text in the password member.

\textbf{PASF93S VALUE ERROR IN PASSWORD MEMBER (DD \textit{ddName})}

\textbf{Explanation:} A field in the password member contains invalid data. When this message is issued by the monitor, it is generally followed by message PASF9DS, which describes the erroneous line in the member.

In this message, \textit{ddName} is the identity of the DD statement that points to the password member.

\textbf{Authorization to access the product is denied.}

\textbf{Corrective Action:} Correct the text in the password member.

\textbf{PASF94S PASSWORD INVALID, PLEASE RECHECK PASSWORD MEMBER (DD \textit{ddName})}

\textbf{Explanation:} Data in the password member was not consistent with the specified password.

In this message, \textit{ddName} is the identity of the DD statement that points to the password member.

\textbf{Authorization to access the product is denied.}

\textbf{Corrective Action:} Check the contents of the password member against the text received from BMC Software Customer Support. If it checks, contact the representative.
INCONTROL for z/OS Messages Manual

PASF95S PASSWORD FOR CONTROL- x IS ABOUT TO EXPIRE IN n DAYS

Explanation: Highlighted, unrollable message.
Password expiration period is about to end.
An expiration date is specified in the password member for the product.
Corrective Action: Contact BMC Software Customer Support for a new password.

PASF96S PASSWORD FOR CONTROL- x HAS EXPIRED

Explanation: Highlighted, unrollable message.
Password expiration period has ended.
An expiration date is specified in the password member for the product.
Authorization to access the product is denied.
Corrective Action: Contact BMC Software Customer Support for a new password.

PASF97S INTERNAL ERROR OCCURRED ON DD ddName, PLEASE NOTIFY THE IOA ADMINISTRATOR

Explanation: An internal error has occurred while analyzing the password member pointed to by the ddName DD statement.
Authorization to access the product is denied.
Corrective Action: Notify the IOA administrator.

PASF98S OBLIGATORY FIELD MISSING FROM PASSWORD MEMBER (DD ddName)

Explanation: An obligatory field is missing from the password member.
The ddName DD statement points to the password member. The PROD, START, CPUID, PASS, and TYPE fields should appear at least once in a password member. For Control-D/WebAccess Server, the CTD_PC_USERS field is also obligatory.
Authorization to access the product is denied.
Corrective Action: Check the contents of the password member against the text received from your INCONTROL administrator.

PASF9AS PASSWORD FOR CONTROL- x NOT DEFINED IN MEMBER (DD ddName)

Explanation: The member pointed to by the ddName DD statement does not contain the password for the appropriate product.
In this message, ddName is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.
Corrective Action: Check that the specified password member is the correct member for this product.
INCONTROL for z/OS Messages Manual

PASF9BS AUTHORIZATION PERIOD HAS NOT STARTED YET (DD ddName)

Explanation: The start date of the password has not yet arrived.
In this message, ddName is the identity of the DD statement that points to the password member. The START field contains the starting date of the password.
Authorization to access the product is denied.
Corrective Action: Check that the specified password member is the correct member for this period.

PASF9CS CPUID/MODEL NOT FOUND IN AUTHORIZED CPU LIST (DD xxxxxxxxx)

Explanation: The current CPU is not defined in the CPU list.
In this message, ddName is the identity of the DD statement that points to the password member. Each entry in the CPU list in the password member contains the CPUID of the CPU and its model.
Authorization to access the product is denied.
Corrective Action: Check that the specified password member is the correct member for this CPU.

PASF9DS CARD = text

Explanation: This message supplies additional information for a previous error message.
This message may appear after message PASF92S or PASF93S which indicates an error has occurred in one of the lines of the password member. Message PASF9DS displays the erroneous line.
Corrective Action: See messages PASF92S or PASF93S.

PASF9ES PASSWORD DDCARD ddName POINTS TO A NON EXISTING MEMBER (ABEND S013-18)

Explanation: The ddName DD statement is allocated to a nonexisting member in a PDS file.
In this message, ddName is the identity of the DD statement that points to the password member.
Authorization to access the product is denied.
Corrective Action: Correct the name of the member in the DD statement or create a member with the specified name.

PASF9FS PASSWORD FOR CONTROL- x EXPIRED, TEMPORARY AUTHORIZATION GRANTED

Explanation: The password for Control-x has expired. Nonetheless, Control- x can be run on the current date.
Despite password expiration, Control- x can be run on the 28th, 29th, 30th, 31st, 1st, 2nd, and 3rd days of each month for special purposes.
Control- x processing continues.
Corrective Action: Contact BMC Software Customer Support to obtain password renewal.
PDA messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages PDA400 through PDA4xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

PDA482S OPEN OF USER DATE CONTROL RECORD FAILED. DDNAME "DACHK"

Explanation: Opening of the file containing the User Dates Control record failed (the DACHK DD statement). This message is issued by the New Day procedure.

This is due to one of the following:
- The DACHK DD statement is missing.
- The data set (member) described by the DACHK DD statement does not exist.

The New Day procedure stops executing.

Corrective Action: Correct the JCL for the job/CLIST.

PDA483S OPEN OF IOA LOG FILE FAILED

Explanation: Open of IOA Log file failed (the DALOG DD statement).

This is due to one of the following:
- Data set described by the DALOG DD statement is not the IOA Log file.
- Data set described by the DALOG DD statement is the IOA Log file, but is of a different version or of a different IOA Installation. See the syslog of the job/TSO user for additional messages.

The New Day procedure stops executing.

Corrective Action: Correct the JCL for the job/CLIST.

PDA484I POST DAILY CHECKPOINT WRITTEN

Explanation: This information message indicates that Post-daily checkpoint was written. Indicates that the New Day procedure ended normally.

Corrective Action: No action is required.

PLN messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
Messages PLN0 through PLN0xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

PLN020I THE MEMBER memName IS NOT SCHEDULED ACCORDING TO DATE-CRITERIA, AND WILL BE EXCLUDED

**Explanation:** This information message indicates that the following situation has occurred. The scheduling table member was scheduled with MINIMUM and PDS parameter specifications. The table is therefore not scheduled according to date and will not be taken into account by the CTMRPLN utility.

The CTMRPLN utility assists in planning scheduling according to date. Jobs whose scheduling does not depend on date are not relevant to this utility.

The table is ignored.

**Corrective Action:** No action is required.

PLN021E ACCESS OR ANALYZING OF CALENDAR calName FOR MEMNAME memName FAILED

**Explanation:** Either the CTMRPLN utility could not access calendar calName, or the format of the calendar member is invalid.

The job scheduling definition included a reference to a calendar member in the DCAL or WCAL or CONFCAL parameter. However, the calendar member could not be accessed, or it has an invalid format.

The job scheduling definition is ignored in the plan.

**Corrective Action:** Please check that CTMRPLN has access authority to the calendar library. If there is access authority, try to access the calendar by means of the IOA online interface and check its validity. If the format is invalid, define a new calendar.

PMM messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages PMM300 through PMM3xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

PMM350I PRINTING MISSIONS MANAGER STARTED

**Explanation:** This information message indicates that the Control-D monitor internal Printing Missions Manager task has started.

Normal message when a Printing Missions Manager task is started.

**Corrective Action:** No action is required.
PMM351S INCORRECT NUMBER OF EXPECTED SUBTASKS

**Explanation:** Control-D monitor internal Printing Missions Manager task has determined that one of the print tasks under its control has abended.
The Control-D monitor is shut down.

**Corrective Action:** Contact BMC Software Customer Support.

PMM352S GETMAIN ERROR FOR PRINTING MISSIONS MANAGER INTERNAL WORK VECTOR

**Explanation:** Internal error.
An internal error has occurred in the Control-D monitor internal Printing Missions Manager task.
The Control-D monitor is shut down.

**Corrective Action:** Contact BMC Software Customer Support.

PMM354S INTERNAL ERROR - CS FAILED IN ADD OF PRINT MISSIONS MANAGER VECTOR

**Explanation:** Internal error.
An internal error has occurred in the Control-D monitor internal Printing Missions Manager task.
The Control-D monitor is shut down.

**Corrective Action:** Contact BMC Software Customer Support.

PMM355S INTERNAL ERROR - CS FAILED IN MOVE OF PRINT MISSIONS MANAGER VECTOR

**Explanation:** Internal error.
An internal error has occurred in the Control-D monitor internal Printing Missions Manager task.
The Control-D monitor is shut down.

**Corrective Action:** Contact BMC Software Customer Support.

PMM357S INTERNAL ERROR - ATTACH FOR CTDPMS FAILED

**Explanation:** Internal error.
An internal error has occurred in the Control-D monitor internal Printing Missions Manager task.
The Control-D monitor is shut down.

**Corrective Action:** Contact BMC Software Customer Support.

PMM358S INTERNAL ERROR - PRINT MISSION ALREADY POSTED

**Explanation:** An internal error has occurred in the Control-D monitor internal Printing Missions Manager task.
The Control-D monitor is shut down.
Corrective Action: Contact BMC Software Customer Support.

PMM359S INTERNAL ERROR - WAIT LIST HAS BEEN EXCEEDED
Explanation: An internal error has occurred in a Control-D monitor internal Printing Missions Manager task.
The Control-D monitor shuts down.
Corrective Action: Contact your INCONTROL representative.

PMM360S ONE OF THE PRINT MISSION SUBTASKS HAS ABENDED
Explanation: Control-D monitor internal Printing Missions Manager task has determined that one of the print tasks under its control has abended.
The Control-D monitor is shut down.
Corrective Action: Contact BMC Software Customer Support.

PMM361S INTERNAL ERROR - PMV
Explanation: Internal error in the operation of the Control-D monitor.
The Control-D monitor is shut down.
Corrective Action: Call BMC Software Customer Support for assistance. Keep the dump.

PMM362W MAX NUMBER OF LOGICAL PRINTERS IS REACHED. ONLY FIRST 100 ARE USED
Explanation: During the processing of a PRINT mission, the maximum number of logical print monitors has been reached. This occurs in either of the following circumstances:
- The number of logical printers defined in a PRINT mission exceeds 100.
- No printer is defined in the PRINT mission itself, but the number of logical printers defined in CTDPARM exceeds 100.
The PRINT mission continues using the first 100 logical printers.
Corrective Action: Correct the PRINT mission definition.

PMM363I SHUT DOWN UPON REQUEST OF MAIN TASK
Explanation: This information message indicates that Control-D monitor has shut down.
Shut down of Control-D internal Printing Missions Manager task by request of the Control-D main task.
The Control-D monitor is shut down.
Corrective Action: No action is required.

PMM364I WAITING FOR ACTIVE PRINTING MISSION(S) IN ORDER TO SHUT DOWN
Explanation: Highlighted, unrollable message.
This information message indicates that the Control-D monitor was shut down, but is waiting for print tasks to finish in order to complete the shut down.

The Control-D internal Printing Missions Manager task received a request from the Control-D monitor to shut down. However, one or more of the print tasks under the control of the Printing Missions Manager is still printing. As soon as all the print tasks are completed, the Printing Missions Manager task will shut itself down.

**Corrective Action:** No action is required.

**PMM365E PRINTING MISSION ENDED NOT OK**

**Explanation:** The Control-D internal Printing Missions Manager task has determined that the Printing Mission ended NOTOK.

This is a general message which is produced when a Printing Mission finished executing NOTOK. The IOA Log should contain prior messages detailing the reasons.

**Corrective Action:** No action is required.

**PMM397S INTERNAL ERROR - PRINTER IS BUSY**

**Explanation:** Internal error in the operation of the Control-D monitor.

The Control-D monitor will shut down.

**Corrective Action:** Call BMC Software Customer Support for assistance. Keep the dump.

**PMM398I PRINTING MISSION ENDED OK**

**Explanation:** This information message indicates that the Printing Mission ended OK.

**Corrective Action:** No action is required.

**PMM399I PRINTING MISSION SUSPENDED - PUT ON HOLD**

**Explanation:** This information message indicates that a HOLD request, issued in the Active Missions screen, has been accepted by Control-D.

The status of the Printing Mission is changed from REQUESTED HELD to HOLD.

The Printing Mission will stop printing at the end of the current report and will enter a HELD status.

**Corrective Action:** In order to resume printing of the Printing Mission remove it from the HOLD status by issuing the F (FREE) command in the Active screen. The mission will resume printing after the last printed report.

**Messages PMM400 through PMM4xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
PMM400E HOLD NOT PERFORMED - ERROR IN CTDCIO

Explanation: An internal error has occurred in the Control-D monitor internal Printing Missions Manager task. A HOLD request, issued in the Active Missions screen, has been rejected by the CTDCIO internal Control-D module.

The status of the Printing Mission remains unchanged.

Corrective Action: Contact BMC Software Customer Support. There should be additional error messages on the IOA Log and system log.

PMS messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages PMS400 through PMS4xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

PMS401I PRINTING MISSION STARTED

Explanation: This information message is the normal start message of a Printing Mission.

Corrective Action: No action is required.

PMS402I PRINTING MISSION ENDED

Explanation: This information message is the normal end message of a Printing Mission.

Corrective Action: No action is required.

PMS403E PRINT MISSION HAS NOT STARTED DURING APPROPRIATE TIME FRAME.

Explanation: Highlighted, unrollable message.

The Control-D monitor issued a MODIFY command for a Printing monitor to start processing a Printing Mission. The Printing monitor did not answer during the time frame defined by optional wish WD2344 (whose default is five minutes).

The problem can occur because the Printing monitor has a low priority and the computer is heavily loaded. Therefore, the Printing monitor does not get control during the time allowed for a response.

The Control-D monitor terminates the mission NOT-OK.

Corrective Action: Assign a higher priority and/or change the performance group of the Printing monitor to provide better response time from this address space. In case of a batch printing mission, make sure that enough initiators are available for handling batch printing jobs. If this is impossible or undesirable, define a higher value for the time frame defined by optional wish WD2344 in the IOADFLTS member in the DOC library or specify an appropriate time-out in the Printing Mission Definition screen (screen M.S).
PMS404I SHUTDOWN IN PROGRESS

**Explanation:** This information message indicates that the Control-D monitor has requested all the subtasks under its control to shut down.

The IOA Log should contain additional messages concerning the reason for the shutdown.

Control-D monitor shuts down.

**Corrective Action:** No action is required.

PMS405I NO REPORTS ARE WAITING TO BE PRINTED BY THIS PRINTING MISSION

**Explanation:** This information message indicates that a Printing Mission has executed. However, there are no reports waiting to be printed by the mission.

No reports were found in the Active User Report List file to which all the following apply:

- They were decollated by a decollating mission which specified this Printing Mission name in its DO PRINT parameter.
- They belong to the users specified in the Printing Mission’s INCLUDE USER parameters.
- They are in WAIT (RE)PRINT status.
- The decollating mission which has processed them is in the Active Missions file and is not HELD.
- They are not currently selected by another Printing Mission.

This Printing Mission will not print any reports, and will end with a NOTOK status.

**Corrective Action:** No action is required.

PMS406E RECIPIENT *recipName* IGNORED. RECIPIENT NOT FOUND IN THE TREE

**Explanation:** The recipient *recipName* specified in the Printing Mission’s INCLUDE USER parameter is not found in the Recipient Tree; or the Printing Mission tried to select a user (from the Active User Report file) who is not in the tree.

No reports will be printed for this recipient.

**Corrective Action:** Add the recipient to the Recipient Tree or delete the recipient from the INCLUDE USER parameter of the Printing Mission.

PMS408E PRINTING PLAN FILE ALLOCATION ERROR. RC= *rc*, ERROR= *errCode*

**Explanation:** An error occurred in allocating a Print Plan file for this Printing Mission.

One of the following probably occurred during dynamic allocation of the Print Plan file:
The Printing Mission was restarted, but the Print Plan file was manually erased.

- An attempt to allocate a new Print Plan file failed, for a reason such as lack of space, security.
- An attempt to delete a Print Plan file failed.

The expressions \( RC = rc \) and \( ERROR = error\_code \) indicate the return and reason codes from the dynamic allocation. For an explanation of these codes, see the IBM manual *MVS Programming: Authorized Assembler Services Guide*.

This Printing Mission will not print any reports and will end with a NOTOK status.

**Corrective Action:** Check the IOA Log, the Control-D monitor syslog, and system log for additional clarification messages.

**PMS409E PRINTING PLAN FILE CRITICAL ALLOCATION ERROR**

**Explanation:** Internal error. In attempting to allocate a Print Plan file, an unknown return code was received from the CTDALC Control-D utility module.

This Printing Mission will not print any reports, and will end with a NOTOK status.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

**PMS40AW SOME REPORTS ARE LOCKED BY ANOTHER PRINT MISSION**

**Explanation:** The current print mission did not place one or more reports in the print plan although these reports have status WAIT PRINT and should be printed by this mission.

Each print mission checks each report to be included into the print plan against print plans of other print missions (excluding missions ended OK/NOTOK). If this report is included into another print plan, the current mission will not print it in order to avoid duplicate printouts.

The print mission continues processing.

**Corrective Action:** If the skipped reports will be printed by another mission, no action is needed. If these reports should be printed by the current mission, find the other active missions whose print plan includes these reports. Delete the other missions or allow them to terminate.

**PMS40BW SOME REPORTS ARE SUPPRESSED BY USER EXIT 20**

**Explanation:** The printing mission did not include some reports in the print plan because user exit **CTDX020** suppressed them.

Function PUT is used to call user exit **CTDX020**. This exit creates the print plan for each report that is eligible for printing. If this exit returns a return code of 4, the report is not included in the print plan.

The printing mission continues.

**Corrective Action:** If the suppressed report should have been added to the print plan, determine why the report was suppressed.

**PMS40CW SOME REPORTS ARE NOT SET FOR THE CURRENT PRINTING MISSION**

**Explanation:** The printing mission found some reports originally set for the current mission. However, they were later reset for another mission.
This can occur if the user manually changes the printing mission name in the report entry in the U screen. The printing mission continues normal work flow. Invalid reports are skipped.

**Corrective Action:** No action is required.

**PMS40DW SOME REPORTS ARE NOT SET FOR CONTROL-D/PC**

**Explanation:** DEST=CTDPC was specified for the printing mission. However, some reports were found to be ineligible for this mission.

The reports were not eligible because they did not specify either DEST=CTDPC[PRT] or a corresponding recipient authorized to use Control-D/PC.

When DEST=CTDPC is specified for a printing mission, all reports selected by this mission must specify DEST=CTDPC or DEST=CTDPCPRT. Recipients for these reports must be authorized to use Control-D/PC by means of the recipient tree.

The printing mission continues normal work flow. Reports that are not eligible are skipped.

**Corrective Action:** For reports to be transferred to Control-D/PC, do the following:

1. Specify DEST=CTDPC or DEST=CTDPCPRT during decollation. See the section on specifying report destinations in the Control-D and Control-V User Guide.
2. Verify that report recipients are authorized to use Control-D/PC.

**PMS40EW INDEX REPORT IS NOT SET FOR STORE=YES MISSION**

**Explanation:** A printing mission specifying STORE=YES did not select Control-V index report setting for Deferred printing. Printing missions specifying STORE=YES select only whole reports. Control-V index reports are not selected by a printing mission with parameter STORE=YES.

**Corrective Action:** Do not specify a name of a printing mission when STORE=YES is specified in the PRINT statement in DO INDEX.

**PMS40GW REPARTITION COPY STAGE IS IN PROCESS**

**Explanation:** This warning message indicates that the repartition utility CTDUFMPR is running with the COPY function when print mission tries to print a migrated report. The print mission continues normal work flow but the migrated reports are not printed and remain in WAIT PRINT status.

**Corrective Action:** Submit the CTDBLXRP utility after the CTDUFMPR repartition utility with the COPY function ends. Then rerun the Print mission.

**PMS40HW CTDBLXRP WAS NOT SUBMITTED AFTER REPARTITION COPY STAGE ENDED**

**Explanation:** This warning message is issued when a print mission printing migrated reports is started after the CTDUFMPR with COPY function is ended, but the CTDBLXRP utility was not submitted previously. The print mission continues normal work flow but the migrated reports are not printed and remain in WAIT PRINT status.

**Corrective Action:** Submit the CTDBLXRP utility and then rerun the print mission.
PMS40IW MIGRATED REPORTS ARE NOT PRINTED

**Explanation:** This warning message follows the PMS40GW and PMS40HW messages and indicates that the migrated reports are not printed.

**Corrective Action:** Perform actions described for the previous message.

PMS410E OPEN OF PRINTING PLAN FILE FAILED

**Explanation:** Internal error. The open of the Print Plan file failed.
The dynamic allocation of the Print Plan file was successful, but the open of the file failed.
This Printing Mission will not print any reports, and will end with a NOTOK status.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

PMS411E PRINTING PLAN FILE - WRITE ERROR

**Explanation:** Internal error. An error occurred in writing to the Print Plan file.
The dynamic allocation and open of the Print Plan file were successful, but an error occurred while writing to the file.
This Printing Mission will not print any reports, and will end with a NOTOK status.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

PMS412E INTERNAL ERROR - INVALID RC FROM CTDWTF

**Explanation:** Internal error. Invalid return code from the internal program CTDWTF while writing the Print Plan file.
This Printing Mission will not print any reports, and will end with a NOTOK status.

**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

PMS413E SYSOUT ALLOCATION ERROR (INVALID DEST) PRINTING STOPPED

**Explanation:** The DEST (destination) parameter for this Printing Mission is incorrect (meaning, not recognized by MVS/JES).
The DEST parameter specifies the JES destination for printing the report. See also remarks about JES3 in the PRINTER parameter in the Control-D and Control-V User Guide, and in “Set Control-D Installation Parameters” in the Control-D chapter in the INCONTROL for z/OS Installation Guide. If this parameter is omitted, the DEST is assumed to be the main computer printer. Specify the DEST parameter in one of the following ways:


This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Correct the DEST parameter, and rerun the Printing Mission.

PMS414E PRINTING PLAN FILE - CANNOT BE OPENED BY THE PRINTERS CONTROL MONITOR

Explanation: Internal error. The Printers Control monitor could not open the Print Plan file.

The Print Plan file was successfully created by the Control-D monitor, and passed the name of the Print Plan file to the Printers Control monitor. However, the Printers Control monitor was unable to open the file.

This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

PMS415E OPEN OF SYSOUT FOR PRINT FAILED

Explanation: Internal error. The Printers Control monitor could not open the sysout file for printing.

This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Look for additional messages on the system log. If you cannot find the problem, have your system programmer call BMC Software Customer Support for assistance.

PMS416E PRINT - UNKNOWN INTERNAL ERROR

Explanation: Internal error in Printers Control monitor. An unknown return code was received from the CTDPRT module.

This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

PMS417E MEMORY SHORTAGE OR INTERNAL ERROR MAY CAUSE DUPLICATE PRINT OF SOME REPORTS

Explanation: An error occurred in main memory during the building of the Print Plan List.

The Print Plan List is checked during the building of a Print Plan file to verify that the same report is not included for printing by other Printing Missions that may be processing in parallel.

The Printing Mission continues processing; however, another Printing Mission may possibly process the same reports.

Corrective Action: Enlarge the REGION size for the Control-D monitor. If this does not solve the problem, contact BMC Software Customer Support.
PMS418S PRINT - INTERNAL ERROR WHILE READING ACTIVE REPORTS FILE INDEX

**Explanation:** Internal error in the CTDCLS module.
This Printing Mission will not print any reports, and will end with a NOTOK status.
**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

PMS419S INTERNAL ERROR WHILE PREPARING USER LIST FOR THE PRINT PLAN

**Explanation:** Internal error in the CTDPM2 module.
This Printing Mission will not print any reports, and will end with a NOTOK status.
**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

PMS420S INSUFFICIENT STORAGE TO BUILD PRINTING PLAN

**Explanation:** There is insufficient storage to build the Print Plan file.
This Printing Mission will not print any reports, and will end with a NOTOK status.
**Corrective Action:** Increase the REGION size of the Control-D monitor, and rerun this Printing Mission.

PMS421S PRINT - INTERNAL ERROR IN CTDPM1

**Explanation:** Internal error in the CTDPM1 module.
This Printing Mission will not print any reports, and will end with a NOTOK status.
**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.

PMS422I START COMMAND HAS BEEN ISSUED FOR PROCEDURE

`procName`, `COM number`

**Explanation:** This information message indicates that a batch print mission has been started as a started task.

A batch print mission runs as a started task when its skeleton member does not contain a JCL statement (starts with //) but an operator command.
**Corrective Action:** No action is required.

PMS423S PRINT - INTERNAL ERROR IN CTDCOL

**Explanation:** Internal error in the CTDCOL module.
This Printing Mission will not print any reports, and will end with a NOTOK status.
**Corrective Action:** Have your system programmer call BMC Software Customer Support for assistance.
PMS424S ERROR WHILE READING THE ACTIVE USER FILE FOR PRINTING PARAMETERS

Explanation: An error occurred while accessing the Active User file during a print mission run. Message CTD908S preceding this message contains the reason code of the error and other information. The current print mission terminates NOT-OK.

Corrective Action: Using the information in message CTD908S, correct the problem, and reprint the corresponding reports.

PMS425S SYSOUT ALLOCATION ERROR - PRINTING STOPPED

Explanation: Internal error in the Printers Control monitor. The CTDSYS module was unable to allocate a sysout file. This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Look for additional messages on the System Log. If you cannot find the problem, have your system programmer call BMC Software Customer Support for assistance.

PMS426E OPEN OF DAINTRDR FAILED

Explanation: An error occurred during the dynamic allocation of the INTRDR internal reader while a batch printing mission was starting a batch print job as a started task. No reports are printed by this batch printing mission. The mission ends with the status NOT OK.

Corrective Action: Examine the system log for further error messages that may help identify the problem. If the problem persists, ask your system programmer to contact BMC Software Customer Support.

PMS427S PRINTING PLAN FILE CANNOT BE ALLOCATED - NO SPACE ON DISK

Explanation: There is no disk space for allocating the Print Plan file.

The Installation Parameters WRKUNIT and WRKVOL, described in “Set Control-D Installation Parameters” in the Control-D chapter of the INCONTROL for z/OS Installation Guide, specify the unit and volume serial number for the printing plan file. The WRKVOL disk does not have disk space for allocating the printing plan file.

This Printing Mission does not print any reports, and ends with a NOTOK status.

Corrective Action:
Delete unneeded files from the WRKVOL disk, or change the WRKUNIT/WRKVOL parameters on CTD Parm.
- Bring Control-D down.
- Start the Control-D monitor.
- The Printing Mission can then be rerun.

**PMS428S INSUFFICIENT STORAGE FOR INCLUDE/EXCLUDE LIST**

**Explaination:** There is insufficient storage for Control-D to handle all the INCLUDE/EXCLUDE USER statements in the Printing Missions Definition.

This Printing Mission will not print any reports, and will end with a NOTOK status.

**Corrective Action:**
1. Remove some INCLUDE/EXCLUDE USER statements from this Printing Mission Definition and create new Printing Missions to put them in, or (preferably)
2. Increase the REGION size of the Control-D monitor.
3. Bring Control-D down, then up.
4. The Printing Mission can then be rerun.

**PMS429S ABEND IN THE PRINTERS CONTROL MONITOR**

**Explaination:** Print mission failed with an abend. A detailed description of the failure appears in the preceding message.

The current print mission ends NOT-OK.

**Corrective Action:** Check the dump and any relevant messages in the system log. For an explanation of the abend code, refer to the relevant IBM manual. Correct the problem and restart the problematic PRINT mission.

**PMS42AE PRINT JOB IS NOT SUBMITTED DUE TO ERROR**

**Explaination:** Print mission failed to submit print job.

A detailed description of the failure appears in the preceding message.

The current print mission ends NOT-OK.

**Corrective Action:** Proceed according to the description of the failure in the preceding message.

**PMS42BE ERROR READING SKELETON. CTMMEM RC= rc**

**Explaination:** Print mission skeleton cannot be read from the SKL library.

The current print mission ends NOT-OK.

**Corrective Action:** Proceed according to the CTMMEM return code identified in the message. A description of the CTMMEM return codes can be found in the DOCIMEM member in the IOA DOC library. Rerun the print mission.
PMS42CE MESSAGE=MEMBER memName IS NOT FOUND IN THE SKELETON LIBRARY

Explanation: The SKELETON parameter specified in the Print mission definition does not exist in the SKL library.

The current print mission ends NOT-OK.

Corrective Action: Correct the SKELETON parameter in the print mission definition, or if it is correct, add it to the SKL library. Rerun the print mission.

PMS42DE CTDX009 REJECTED PRINT JOB SUBMISSION

Explanation: Exit 9 (CTDX009) rejected submitting a print job.

The current print mission ends NOT-OK.

Corrective Action: If it is required that the job be submitted, check Exit 9 for a return code of 8 and modify the exit accordingly. Rerun the print mission.

PMS42EI PRINT JOB name / jobId HAS BEEN SUBMITTED

Explanation: This information message indicates that the print job name has been successfully submitted.

Corrective Action: No action is required.

PMS42FE PRINT MISSION CANNOT BE STARTED. PRTMON#=0 IS DEFINED IN CTDPARM

Explanation: No print monitors are defined in CTDPARM.

The PRTMON# field must be defined in CTDPARM so that a print mission can be executed as a subtask of the print monitor.

The current print mission terminates NOT-OK.

Corrective Action: Specify PRTMON# parameter in CTDPARM, or define the SKELETON field in the print mission definition to run the mission as a batch job.

PMS430S PRINT - INTERNAL ERROR IN CTDCIO

Explanation: An error occurred in the CTDCIO Control-D communication file I/O module.

This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Bring down Control-D, then follow these steps:

1. Check the DACOM DD statement in the Control-D monitor and Printers Control monitor JCL, and correct the JCL if required.
2. Check the COMSIZE Installation Parameter. For more information, see the Control-D chapter of the INCONTROL for z/OS Installation Guide.
3. If this parameter is modified, then the CTDFRCOM Control-D utility will have to be run in order to create a new communications file.
4. Bring up Control-D, and rerun this Printing Mission.
If following the steps specified above does not solve the problem, have your system programmer call BMC Software Customer Support for assistance.

PMS431S INTERNAL SYNCHRONIZATION ERROR - SHUTTING DOWN

Explanation: An internal error has occurred in the Printers Control monitor.
An error occurred in the CTDPMS module--the synchronization with the Printers Control monitor failed.
Control-D monitor shuts down.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

PMS432I NOTHING LEFT TO PRINT (THERE ARE USERS, BUT COP=0 OR REPORTS DELETED)

Explanation: This information message indicates that there are no reports for this Printing Mission to print.
There are a few possibilities:
- All the SYSDATA entries to be printed were deleted.
- All the CDAM files to be printed were deleted.
- The copy count of all reports to be printed was set to 0 in the Active User Reports file.
- The relevant decollation entries in the Active Missions file were deleted or are in HOLD status.
The Printing Mission will not print any reports, and will end up with a NOTOK status.

Corrective Action: Change the copy count to a value other then zero and/or free the Active Missions file report entries and/or rerun the Report decollating mission if the reports were accidentally deleted. The Printing Mission can then be rerun.

PMS433S ALLOC OF dd_stmt FAILED ON rsn

Explanation: An internal error has occurred in the Control-D monitor.
An error occurred in the CTDPSR utility module that sorts the printing plan file. The dynamic allocation of dd_stmt failed because of the reason identified in the message.
This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.

PMS434S FREE OF dd_stmt FAILED ON rsn

Explanation: An internal error has occurred in the Control-D monitor.
An error occurred in the CTDPSR utility module that sorts the printing plan file. The dynamic allocation and read/write to dd_stmt was successful. However, the attempt to free dd_stmt failed because of the reason identified in the message.
This Printing Mission will not print any reports, and will end with a NOTOK status.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.
PMS435S SORT OF BUNDLE FAILED. RC= rc
Explanation: An internal error has occurred in the Control-D monitor.
An error occurred in the CTDPSR utility module that sorts the printing plan file. The installation sort routine returned a condition code of rc to the CTDPSR module.
This Printing Mission will not print any reports, and will end with a NOTOK status.
Corrective Action: Check the system log and the Control-D monitor sysout in order to determine why the installation sort routine returned a condition code of rc. RC is the SORT RC, so check it in the SORT manual. If you cannot resolve the problem, have your system programmer call BMC Software Customer Support for assistance.

PMS437E SORT OF BUNDLE FAILED. PRINTING MISSION ENDED NOTOK
Explanation: The sort of the Printing Plan file failed.
Corrective Action: Check the IOA Log for additional clarification messages.

PMS438E RESTART OF PRINTING MISSION FAILED. COMMUNICATION FILE WAS FORMATTED
Explanation: Restart of Printing Mission failed.
The Control-D Communication file was formatted, making automatic restart impossible.
This Printing Mission will not print any reports, and will end with a NOTOK status.
Corrective Action: Rerun the Printing Mission without rebuilding the Printing Plan file.

PMS439I ONLY (number) FREE ENTRIES ARE LEFT ON THE COMMUNICATION FILE - PLEASE INCREASE ITS SIZE
Explanation: The Control-D Communication file is almost full.
The printing of the reports will continue.
Corrective Action: At the earliest possible time, bring down Control-D, then follow these steps:
1. Increase the COMSIZE Installation Parameter. For more information, see the Control-D chapter of the INCONTROL for z/OS Installation Guide.
2. Run the CTDFRCOM utility in order to create a new communication file.
3. Bring up Control-D.

PMS43AE NO FREE RECORDS IN COM FILE. PRINT MISSION TERMINATES ABNORMALLY
Explanation: The current print mission cannot obtain a free record in the communications file.
Each print mission requires one record in the COM file for communicating between the Control-D monitor and the print task. A free record is obtained before the print task is started released when it ends.
The print mission terminates NOTOK.
Corrective Action: Increase the size of the COM file by increasing the value of the COMSIZE parameter in CTDPARM. You can do this using ICE, as follows:

1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 2, Control-D Dataset Parameters.
6. Increase the size of the COMSIZE parameter.
7. Return to the Minor Steps Selection screen, and select Minor Step 3, Save Parameters into Product Libraries.
8. Select Minor Step 5, Format the Communication File.

You can now rerun the print mission.

PMS43BE ERROR STORING REPORTS IN DATASETS

Explanation: Control-D detected an error while processing a printing mission with the STORE parameter set to YES.

This message is usually preceded by other messages that describe the problem. These other messages may be issued to the IOA Log file and/or the job log of the Control-D Printers monitor.

The printing mission ends with a status of NOTOK and a reason code of 56.

Corrective Action: Check the IOA Log file for other printing mission errors. Check the job log in the Control-D Printers monitor. If you cannot resolve the problem, call BMC Software Customer Support.

PMS440I MISSION RESTARTED. PRINTING WILL START FROM NEXT REPORT

Explanation: A stopped Printing Mission has been restarted

The user has previously put this Printing Mission on HOLD (while printing), and has now FREEd this mission.

Printing will start again from the next report.

Corrective Action: No action is required.

PMS441I MISSION RESTARTED (FROM START OF PRINT PLAN)

Explanation: This information message indicates that a stopped Printing Mission was restarted using the printing plan built during the previous run of the mission

Corrective Action: No action is required.

PMS442I PRINTING MISSION RESTARTED

Explanation: Normal message when a stopped Printing Mission has been restarted.

The user had previously put this Printing Mission on HOLD (while printing), and has now freed this mission.
The printing of the reports continues.

**Corrective Action:** No action is required.

**PMS443E SOME REPORTS WERE NOT PRINTED**

**Explanation:** The print mission processed all the reports in the print plan, but some of them were not successfully printed.

Detailed messages appear during this print mission execution.

The problematic reports are marked as NOT-PRINTED in the Active User File.

**Corrective Action:**
1. Correct the cause of the problem that prevented the printing of the reports, using the messages that appear during the execution of the print mission.
2. Reprint the reports by ordering Deferred Print in the User Reports screen (U Screen).
3. Rerun the print mission with a rebuild of the print plan.

**PMS443S INSUFFICIENT STORAGE TO LOAD PRINT PLAN MODULE**

**Explanation:** There is insufficient storage to load the CTDPLN print plan module.

The Printing Mission will not print any reports, and will end with a NOTOK status.

**Corrective Action:** Increase the REGION size for the Control-D monitor.

**Messages PMS700 through PMS7xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**PMS79BI THE SPECIFIED PRINTER MONITOR DOES NOT EXIST. PARAMETER "MONITOR" IS IGNORED**

**Explanation:** This information message indicates that an executing Printing Mission’s MONITOR parameter is set to more than the maximum number of existing Printing monitor address spaces. The invalid parameter specifies a Printing monitor address space that does not exist.

The MONITOR Printing Mission parameter specifies the number of the Control-D Printing monitor to which the mission will be directed for printing.

The Printing Mission’s MONITOR parameter is ignored. Control-D will direct the Printing Mission to the next available Printing monitor.

**Corrective Action:** Change the Printing Mission MONITOR parameter to a value not exceeding the number of available Printing monitors and save the Printing Mission Definition. If necessary, reorder the Printing Mission.
PTS messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages PTS900 through PTS9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

PTS990I PRINTER MISSION mission_nam STARTED PRINTING CATEGORY category_num

Explanation: This information message indicates that the Control-D Printers Control monitor started printing for mission mission_nam.

Corrective Action: No action is required.

PTS991I PRINTER MISSION mission_nam FINISHED PRINTING CATEGORY category_num

Explanation: This information message indicates that the Control-D Printers Control monitor completed printing mission mission_nam successfully.

Corrective Action: No action is required.

PTS992S DEST dest in FOR USER user IS INVALID - PRINTING ON MAIN PRINTER

Explanation: A dynamic allocation error for a sysout data set was encountered during Printing Mission execution due to an invalid destination in the Active List screen.

Invalid destination may have been specified in the Recipient Tree or in the decollating mission Definition. The Printing Mission attempts to allocate a sysout file with a default destination (from the Printing Mission definition or from the logical printer definition in CTDParm). If this attempt fails, the Printing Mission terminates with a status of NOTOK.

Corrective Action: Find the source of the invalid destination and correct it.

PTS993E ERROR IN CTDCIO FUNCTION func RC rc - PRINTING STOPPED

Explanation: Internal error.

An internal error occurred in the CTDCIO internal module. The error occurred within the Control-D Printers Control monitor.

The printing for this mission will stop. The status of this Printing Mission is changed to NOTOK.

Corrective Action: Contact BMC Software Customer Support. Please provide the values of FUNCTION and RC.
PTS994E ERROR IN CTDRSV FUNCTION func RC rc - PRINTING STOPPED

**Explanation:** Internal error.

An internal error occurred in the CTDRSV internal module. The error occurred within the Control-D Printers Control monitor.

The printing for this mission will stop. The status of this Printing Mission is changed to NOTOK.

**Corrective Action:** Contact BMC Software Customer Support. Please provide the values of FUNCTION and RC.

PTS995E ERROR IN CTDALC RC rc S99RC s99rc FUNCTION func - PRINTING STOPPED

**Explanation:** Internal error. The allocation of the PLAN file failed.

An internal error occurred in the CTDALC internal module. The error occurred within the Control-D Printers Control monitor.

The printing for this mission will stop. The status of this Printing Mission is changed to NOTOK.

**Corrective Action:** Contact BMC Software Customer Support. Please provide the values of RC, S99RC, and FUNCTION.

PTS996I PRINTING ENDED. INTERNAL RC rc

**Explanation:** The printing for this mission has finished.

This is a general message when the printing for a mission finished. If rc is not 0, the IOA Log should contain prior messages detailing the reasons.

**Corrective Action:** No action is required.

PTS997E ERROR IN UPDATE OF PRINTED USERS, STATUS OF USER REPORTS MAY BE INVALID

**Explanation:** Internal error.

After printing a bundle, Control-D updates the status of all printed user reports in the Active User Report List file from WAIT PRINT to PRINTED. This message is produced if an error occurs in this update process.

The status of this Printing Mission is changed to NOTOK. All the reports are printed, but the entries in the Active Report List file have not been updated. This could result in duplicate printing.

**Corrective Action:** Look for VSAM related messages on the system log or on the syslog of the Control-D monitor. Contact BMC Software Customer Support.

PTS998E ALLOC FAILED FOR fileName - FILE WAS NOT FOUND

**Explanation:** Internal error.

The Control-D Printers Control monitor was unable to dynamically allocate file fileName.

The status of this Printing Mission is changed to NOTOK.

**Corrective Action:** Contact BMC Software Customer Support. Please provide the value of file.
PTS999E ERROR READING COMPRESSED DSN. RC= rc

Explanation: An error occurred while attempting to read a compressed data set.
In the process of printing a report, an error occurred while attempting to read a compressed data set.
The report is not printed. The status of the Printing Mission will be set to NOTOK.
Corrective Action: Please notify the INCONTROL administrator. Additional messages are present on the system log.

Messages PTSB00 through PTSBxx
This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

PTSB01S SYSOUT ALLOCATION FAILED, RC= rc, ERROR= errCode

Explanation: Dynamic allocation of a sysout during a Printing Mission failed.
RC and error codes are the standard system return codes returned when dynamic allocation of a sysout chunk occurs.
The Printing Mission stops printing and ends NOTOK.
Corrective Action: For information regarding the diagnostics of dynamic allocation error codes, see to the IBM manual MVS Programming: Authorized Assembler Services Guide.

PTSB02E CANNOT PRINT WITH MIXED AFP PARAMETERS WHILE CHUNKSIZE IS SET TO ZERO OR ONE

Explanation: The PAGEDEF and/or FORMDEF printing parameters were specified for reports which are printed with a Printing Mission having a CHUNKSIZE of 0 or 1.
The PAGEDEF and/or FORMDEF printing parameters can only be used in a bundle that uses the chunking mechanism. When CHUNKSIZE is specified with a value of 0 or 1, the chunking mechanism is not active.
Printing continues without processing the PAGEDEF and FORMDEF printing parameters.
Corrective Action: To print reports that require the special printing parameters PAGEDEF and FORMDEF, either change the CHUNKSIZE parameter in the Printing Mission definition to a value other than 0 or 1, or use a different Printing Mission which uses the chunking mechanism.

PTSB03E PRINTING MISSION mission_nam FAILED WHILE TRYING TO LOAD PAGEDEF pagedef OR FORMDEF formdef. DEFAULTS ARE USED INSTEAD

Explanation: An error was encountered while trying to read a PAGEDEF or FORMDEF value from the corresponding library.
Either the PAGEDEF or FORMDEF specified does not exist in the libraries defined for Control-D, or the CHUNKSIZE parameter was specified as 0 or 1. The PAGEDEF and/or FORMDEF printing parameters must print in a bundle using the chunking mechanism. When CHUNKSIZE is specified with a value of 0 or 1, the chunking mechanism is not active.
Printing continues without processing the PAGEDEF and FORMDEF printing parameters.

**Corrective Action:** To print reports that require the special printing parameters PAGEDEF and FORMDEF, either change the CHUNKSIZE parameter in the Printing Mission definition to a value other than 0 or 1, or use a different Printing Mission which uses the chunking mechanism.

**PTSB04E** THERE IS NO PC INFORMATION IN THE TREE FOR USER *user*

**Explanation:** No PC information was found for the specified user during the process of building PC files. User PC information must be defined in the Control-D Recipient Tree. If a report was assigned a destination of CTDPC but there is no PC information in the Recipient Tree for this user, it cannot be routed to the PC.

The report is not printed. Processing continues.

**Corrective Action:** Either define the user PC information in the Control-D Recipient Tree, or do not route the report to the PC.

**PTSB05E** CTDPC DEST WAS IGNORED FOR USER *user* (NO PC INFO)

**Explanation:** Destination CTDPC was specified for the user. The report should be transferred to the PC, but the user definition in the Recipient Tree does not contain PC parameters.

Only a user with PC parameters specified in the tree can receive reports on the PC.

The report will be routed to a mainframe printer instead of a PC.

**Corrective Action:** Define PC parameters for the user. The user must be authorized to access the CTDPC component.

**PTSB06E** OUTGRP INFORMATION IS UNAVAILABLE

**Explanation:** Highlighted, unrollable message.

The OUTGRP parameter is specified in CTD Parm, but the function cannot be performed. An attempt to get the GROUPID parameter failed due to one of the following:

- The OUTGROUP OUTPUT statement was not specified in the CTDPRINT procedure.
- The corresponding control blocks cannot be found in the current release of MVS.

A special snap is sent to the DADUMP DD name.

**Corrective Action:** Check that the OUTGROUP OUTPUT statement is specified in the CTDPRINT procedure. If the error persists, contact your INCONTROL administrator and supply the snaps.

**PTSB07E** OUTGRP COULD NOT BE SET

**Explanation:** Highlighted, unrollable message.

The GROUPID parameter could not be set for the current chunk according to the OUTGROUP parameter in CTD Parm.

**Corrective Action:** Notify your INCONTROL administrator.
PTSB08E ERROR ACCESSING BARCODE TRACKING FILE RC= rc

**Explanation:** A print mission failed to access the Barcode Tracking (BTR) file.
The current print mission terminates NOT OK.

**Corrective Action:** Correct the source of the problem using message IOAF70I or IOAF71I to be found in the JES log. Rerun the mission.

PTSB09E ERROR CREATING PC FILES FOR USER recipName RC= rc

**Explanation:** An error occurred in the processing of a report to be transferred to Control-D/WebAccess Server for the recipient specified in the message.

An error was encountered while Control-D attempted to create PC packet files for a report whose printing destination is CTDPC.

The report is not made available for transfer to Control-D/WebAccess Server. Certain errors allow the print mission to continue processing with the next report. Most errors, however, cause the print mission to terminate immediately. In both cases, the print mission ends with a NOTOK status.

**Corrective Action:** If the return code is 28, verify that the recipient is authorized to use Control-D/WebAccess Server. This authorization is defined in the Control-D Recipient Tree. For all other return codes, check the IOA LOG and the MVS system log for previously issued messages describing the error in detail.

PTSB0AE MISSING OUTPUT STATEMENT stmtName

**Explanation:** Control-D attempted to dynamically allocate a sysout file for printing the report. Allocation failed because the output statement displayed in the message was missing from the JCL of Control-D Print monitor’s started task.

A reference to an output statement name to be used for printing a report is defined in Control-D by one of the following:

- Decollation Mission PRINT/CDAM PARM, subsys parameter in report's job JCL, or OUTPARMS library member
- Internal output statement references assigned by Control-D, such as CONTROLD, CONTROLF and OUTGROUP

The report is not printed. The Print Mission continues with the next report to be printed, but ends with a NOTOK status.

**Corrective Action:** Define a JCL output statement for the report in the JCL of all Control-D Print monitors started tasks. Restart Control-D monitor to cause JCL changes to take effect.

PTSB0BE ERROR STORING REPORT IN DATASET. USER usernam, RC= rc

**Explanation:** Control-D detected an error while processing a printing mission in which the STORE parameter was set to YES.

This message is usually preceded by other messages that describe the problem. These other messages may be issued to the IOA Log file and/or the job log of the Control-D Printers monitor.

The variables in this message are:
The printing mission ends with the status NOTOK and the return code 56.

**Corrective Action:** Check the IOA Log file for other printing mission errors. Check the job log in the Control-D Printers Monitor. If you cannot resolve the problem, call BMC Software Customer Support.

**PTSB0CE ERROR IN CTDPRPS RC= rc**

**Explanation:** An internal error occurred during the printing of an AFP report.

In this message, rc is the internal return code of the error.

The printing mission skips the problematic report, and printing continues.

**Corrective Action:** Do the following:

1. Check the IOA and job logs for any additional messages associated with the error, and try to resolve the problem. Rerun the program.

2. If the problem persists, note the value of rc and contact BMC Software Customer Support.

**PTSB0DE OUTPUT CARD DYNAMIC ALLOCATION FAILED, RC= rc, REASON= rsn, KEY= keycode**

**Explanation:** The dynamic allocation (pursuant to optional wish WD3133) of an output statement during a printing mission failed.

The variables in this message are:

- rc - the return code
- rsn - the reason code
- keycode - the key code

These codes are the standard system return, reason, and key codes that are returned when dynamic allocation of an output statement fails. For more information on these codes, see the description of the OUTADD macro in the IBM manual MVS Programming: Authorized Assembler Services Reference.

The printing mission does not use the dynamic allocation of an output statement for the current report.

**Corrective Action:** Examine the values of the return, reason, and key codes, and take appropriate corrective action.

**PTSB10E "FE" PRINT SUPPORT ERROR. RETURN CODE rc**

**Explanation:** An executing Printing Mission failed to delete an internal Printing Mission record in the Active User Report file.

If the DO PRINT parameter is specified in a Decollation Mission Definition, the Control-D Decollation monitor writes an internal Printing Mission record to indicate that there are reports waiting to be printed by the Printing Mission specified in the DO PRINT parameter.

These records have the following key:

X‘FE’,C‘PRINTMS’,Printing-Mission-Name
In this message, \textit{rc} is the return code from the CTDXR\textit{P} routine.

Control-D encountered an error when attempting to delete the record for the current Printing Mission during Printing Mission termination processing.

The Printing Mission continues.

\textbf{Corrective Action:} If the problem persists, report the return code to BMC Software Customer Support.

Messages PTSG00 through PTSGxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

PTSG90E OPEN FAILED FOR \textit{dsn} - RC= \textit{rc}

\textbf{Explanation:} Control-D or Control-V failed to open the (sequential) index file.

The data set \textit{dsn} cannot be accessed for reading.

Reports will be downloaded to the Control-D/WebAccess Server without index information.

\textbf{Corrective Action:} Record the data set name and return code. Contact your system administrator.

PTSG91E CLOSE FAILED FOR \textit{dsn} - RC= \textit{rc}

\textbf{Explanation:} A sequential index file failed to close.

The data set \textit{dsn} did not close successfully.

Reports will be downloaded to the Control-D/WebAccess Server without index information.

\textbf{Corrective Action:} Record the data set name and return code. Contact your system administrator.

PTSG92E SVC 99 ALLOC RC \textit{rc} RSNC \textit{rsn} DS \textit{dsn}

\textbf{Explanation:} Control-D or Control-V encountered a problem when attempting to dynamically allocate the \textit{dsn} index file.

Reports will be downloaded to the Control-D/WebAccess Server without index information.

\textbf{Corrective Action:} For a description of the return code received, see the IBM manual \textit{MVS Programming: Authorized Assembler Services Guide}. If you cannot resolve the problem, record the data set name, internal \textit{rc} and reason code \textit{rsn}. Contact BMC Software Customer Support.

PTSG93E SVC 99 UNALLOC RC \textit{rc} RSNC \textit{rsn} DS \textit{dsn}

\textbf{Explanation:} Control-D or Control-V failed to dynamically deallocate index file data set name.

Reports will be downloaded to the Control-D/WebAccess Server without index information.

\textbf{Corrective Action:} For a description of the return code received, see the IBM manual \textit{MVS Programming: Authorized Assembler Services Guide}. If you cannot resolve the problem, record the data set name, internal \textit{rc} and \textit{rsn}. Contact BMC Software Customer Support.
PTSG94S INSUFFICIENT MEMORY - GETMAIN ERROR. RC = rc

Explanation: There is insufficient memory to download index information to the PC. The Printing Mission that downloads reports to the PC terminates.
Corrective Action: Increase the REGION size of the Control-D Print monitor.

PTSG95S INTERNAL ERROR - FREEMAIN ERROR. RC = rc

Explanation: An internal error was encountered during the execution of a FREEMAIN macro. The Printing Mission that downloads reports to the PC terminates.
Corrective Action: Record the return code and contact BMC Software Customer Support.

PTSG96E INDEX index NOT FOUND IN FILE dsn - NO INDEX FOR THIS REPORT

Explanation: Index index was not found in the dsn file due to an internal error. Reports will be downloaded to the Control-D/WebAccess Server without index information.
Corrective Action: Record the index name and data set name. Contact BMC Software Customer Support.

PTSG97S INTERNAL ERROR - INCORRECT PARAMETERS PASSED TO CTVDPC

Explanation: Incorrect parameters were passed from the printing module to the routine creating Control-V indexes for the D/WebAccess Server viewer. The current print mission terminates NOT-OK.
Corrective Action: Supply BMC Software Customer Support with the sysout of the Control-D print monitor.

PTSG98S ERROR IN PROGRAM pgm FUNCTION func RC = rc INTERNAL RC = int_rc REASON CODE = rsn

Explanation: Control-V was unable to create an index file for the printed report.
If the error is in the CTVIXC program, look at message REPG01E for a complete explanation of all return codes.
If the error is in the IOATAE program, possible causes are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Member with translation table from ASCII to EBCDIC was not read. A default translation table was used.</td>
</tr>
<tr>
<td>8</td>
<td>Not enough storage available. Increase region size.</td>
</tr>
</tbody>
</table>
### INCONTROL for z/OS Messages Manual

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>Data is invalid. Check and correct the translation table data.</td>
</tr>
<tr>
<td>16</td>
<td>Too many data lines in the translation table. Check and correct the translation table data.</td>
</tr>
<tr>
<td>20</td>
<td>Not enough data lines in the translation table. Check and correct the translation table data.</td>
</tr>
</tbody>
</table>

The translation tables are found in the IOA PARM library referenced by the DACMDLIB DD statement.

The TRNA2E member translates from ASCII to EBCDIC. The TRNE2A member translates from EBCDIC to ASCII.

The Control-V index is not created.

**Corrective Action:** Take appropriate action to correct the problem based on the return code.

### PTSG99E DATASET NAME *dsn*

**Explanation:** Data set name *dsn* could not be created.

The data set for the Control-V index could not be allocated.

The Control-V index is not created.

**Corrective Action:** Record the data set name and contact your system administrator.

### PTSG9AE CONTROL-V INDEXES COULD NOT BE CONVERTED TO FIT THE REPORT AFTER ACIF, *num* RESOURCE PAGES

**Explanation:** The ACIF process split one or more pages of the report.

If an original report page is split into more than one AFP page during the ACIF process, the original Control-V index for the report cannot be converted to fit the AFP report.

In this message, *num* is the number of resource pages.

The Control-V indexes are not created.

**Corrective Action:** Change the ACIF parameters so that no report page will be split by the ACIF process.

### PTSG9BS INTERNAL ERROR - PAGE NUMBER *pagenum* WAS NOT FOUND IN THE REPORT PAGE TABLE

**Explanation:** An internal error occurred while creating Control-V indexes for a STORE=Y report.

In this message, *pagenum* is the page number of the page that is missing from the report page table.

Control-V indexes are not created.

**Corrective Action:** Provide the following information to the INCONTROL Administrator:
Message code and the text of the message.
Total number of pages in the report.
Number of pages in the report created after STORE=Y is specified.

PTSG9CE CONTROL-V INDEX/ES COULD NOT BE CONVERTED BECAUSE INDEX/ES WERE CREATED BEFORE RELEASE IOA 5.0.4

Explanation: Control-V attempted to convert indexes to fit a new STORE=Y report. However, the existing indexes were created in a non-supported version, and cannot be converted to fit a new STORE=Y report.

The Control-V indexes are not created.

Corrective Action: Redecollate the report using a supported version of Control-V.

PTSG9DS INTERNAL ERROR - CONTINUATION RECORD WAS NOT FOUND IN THE ACTIVE USER FILE

Explanation: The printing mission attempted to access a continuation record that did not exist in the Active User Report file.

Control-V indexes are not created.

Corrective Action: Contact your INCONTROL administrator.

PTSG9EW CTV INDEX TABLE ERROR. INDEX index CHANGED, REASON rc

Explanation: An internal error occurred during the creation of Control-V indexes for a report created by a Print Mission with STORE set to Y.

A level of the problematic Control-V index is changed.

Corrective Action: Contact BMC Software Customer Support.

PTSG9FE INDEXES NOT CONVERTED DUE TO DIFF NO OF PAGES IN ORIG/TRANSFORMED REP

Explanation: During the rendering to PDF, if an original report page is split into more than one PDF page, the original Control-V index for the report cannot be converted to fit the PDF report.

Corrective Action: If possible, change the rendering parameters (for example, CLIQUE, resources) so that no report page will be split by the rendering process.

PTSG9GW REPORT TRANSFORMATION DELAYED DUE TO LIMIT OF CONCURRENT TRANSFORMATIONS

Explanation: This information message indicates that the current print mission cannot be processed because the print monitor is already processing the maximum number of missions as defined in optional Wish WD2375. The print mission is delayed until one of the missions being processed terminates.

Corrective Action: If this message appears frequently, it is recommended to increase the maximum number of print missions the print monitor can process concurrently.
PTSG9HI REPORT TRANSFORMATION RESUMED

**Explanation:** This information message indicates that the print monitor resumed processing a mission that was postponed (see the PTSG9GW message).

**Corrective Action:** No action is required.

REP messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages REP200 through REP2xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

REP250I REPORT DECOLLATOR STARTED

**Explanation:** This information message is the normal message when the Control-D monitor internal decollating task is started.

**Corrective Action:** No action is required.

REP251I DECOLLATION ENDED "OK"

**Explanation:** This information message is the normal end message of a job decollation.

**Corrective Action:** No action is required.

REP252I DECOLLATION ENDED "NOT OK"

**Explanation:** This information message indicates that the decollation of a report/job was not successful. The status of this decollating mission is set to ENDED NOTOK.

**Corrective Action:** Look at the IOA Log for additional error messages relating to this decollating mission.

REP253E INSUFFICIENT MEMORY TO DECOLLATE THE JOB

**Explanation:** Insufficient memory to decollate the job.

**Corrective Action:** Increase the Control-D monitor REGION size, then rerun the decollating mission.

REP254E INTERNAL ERROR - INVALID FORMAT OF AMF RECORD. NOTIFY THE IOA ADMINISTRATOR

**Explanation:** Internal Control-D error.

The status of this decollating mission is set to ENDED NOTOK.
Corrective Action: This problem is caused by incompatibility between what can be defined in the Report Decollating screen, and the actual decollating mechanism under the Control-D monitor. There is no need to reformat the Active Missions file. Print the mission definition and send it to your IOA Administrator in order to solve the bug. In the meantime try to bypass the problem by modifying the mission definition (try a different ON WHEN DO combination). If you cannot bypass it, call your IOA Administrator.

REP255E INTERNAL ERROR IN AMF CONVERSION. DECOLLATION ABORTED

Explanation: Internal Control-D error.
The status of this decollating mission is set to ENDED NOTOK.
Corrective Action: Look for additional messages on the IOA Log. Call BMC Software Customer Support for assistance.

REP256E ERROR WHILE READING SYSOUT FROM SPOOL OR FROM CDAM FILES

Explanation: Internal Control-D error.
The status of this decollating mission is set to ENDED NOTOK.
Corrective Action: Look for additional messages on the IOA Log. Call BMC Software Customer Support for assistance.

REP257E INTERNAL ERROR IN RECIPIENT TREE STRUCTURE

Explanation: Internal Control-D error.
The status of this decollating mission is set to ENDED NOTOK.
Corrective Action: Look for additional messages on the system log. Call BMC Software Customer Support for assistance.

REP258E DEFAULT PRIMARY USER NOT FOUND IN TREE OR NO DEFAULT USER SPECIFIED

Explanation: The user (recipient) specified in the DEF USER parameter of the Report Decollating Definition screen is not found in the Recipient Tree or no DEF USER is specified.
A page has been found in the job’s reports which is not identified by a WHEN/DO/USER statement, and no default user is specified.
Control-D assigns the root of the tree as the default, and the mission ends NOTOK.
Corrective Action: Correct the decollation mission, and schedule it again.

REP259E DECOLLATING JOB WITHOUT ANY SUPPLIED DEFAULTS

Explanation: No defaults are supplied in this decollation mission.
A page has been found which is not identified by a WHEN/DO/USER statement. Defaults are required in order to perform the decollation.
The mission ends NOTOK.
**Corrective Action:** Correct the decollation mission, and schedule it again.

**REP25AE VARIABLE LIST ERROR IN FUNCTION** `func` **FOR VARIABLE** `varName`  

**Explanation:** An error was detected in the variable list structure. 

The variables in this message are:  
- `func` - the variable process function (GET, GETU, PUT, CONC) under which the problem occurred.  
- `varName` - the name of the variable that was being processed when the problem arose.  

The decollation mission is terminated with the status ENDED NOTOK.  

**Corrective Action:** Check all the statements in the decollation definition that contain the `varName` variable, correct them as appropriate, and run this mission again. If the problem persists, contact BMC Software Customer Support.

**REP25BE INVALID PARAMETER** `parm` **IN FUNCTION** `func` **FOR VARIABLE** `varName`  

**Explanation:** The program that handles the CTDVAR variables received control from Exit CTDX022, but the value of a parameter was invalid.  

The variables in this message are:  
- `parm` - the name of the parameter with an invalid value  
- `func` - the variable process function (GET, GETU, PUT, CONC) under which the problem occurred  
- `varName` - the name of the variable that was being processed when the problem arose  

The decollation mission is terminated with the status ENDED NOTOK.  

**Corrective Action:** Correct the User Exit CTDX022, and rerun the mission.

**REP25CE SYNTAX ERROR IN VARIABLE DEFINITION** `varDef`  

**Explanation:** The definition of the variable in the decollation mission is not correct. 

In this message, `varDef` is the invalid string in the decollation definition. 

The decollation mission is terminated with the status ENDED NOTOK.  

**Corrective Action:** Correct the decollation mission definition and rerun the mission.

**REP25DE XPATH SYNTAX ERROR FOR VARIABLE** `varName` **IN DEFINITION** `string`  

**Explanation:** The DO SET statement in the decollation mission contains an invalid definition of the variable containing the XPATH value. 

The variables in this message are:
INCONTROL for z/OS Messages Manual

- **varName** - the name of the variable that was being processed when the problem arose
- **string** - the invalid string in the decollation mission definition

The decollation mission is terminated with the status ENDED NOTOK.

**Corrective Action:** Correct the decollation mission definition and rerun the mission.

**REP25EE INVALID TAG WAS DETECTED IN XML REPORT. TAG= string**

**Explanation:** An error was detected in the XML report page.

In this message, *string* is the invalid string in the XML report.

The status of this decollating mission is set to ENDED NOTOK. Control-D continues processing. All variable values extracted from the page containing the invalid string will be treated as null.

**Corrective Action:** Correct the XML report, and decollate it again.

**REP25FE ERROR IN VARIABLE PROCESS DURING DECOLLATION IN PROGRAM progName**

**Explanation:** This message is issued after one of the following messages:

- **REP25AE**
- **REP25BE**
- **REP25CE**
- **REP25DE**

In this message, *progName* is the name of the program that was executing when the problem occurred.

The status of this decollation mission is set to ENDED NOTOK.

**Corrective Action:** Check the IOA Log for additional error messages relating to this decollation mission.

**REP260E ERROR IN ACTIVE USER REPORTS LIST FILE. USER UPDATE FAILED**

**Explanation:** The update to the Active User Report List file failed. Perhaps the Active User Report List file is full or the Index component is corrupted.

The status of this decollating mission is set to ENDED NOTOK.

**Corrective Action:** Examine relevant CTDU99E and CTD908S messages, take appropriate corrective action, and then rerun the decollating mission. Use the CTDDIG utility to check the integrity of the user file. If the problem persists, contact BMC Customer Support.

**REP261E SEVERE ERROR WHILE LOCATING SYSOUT PARAMETERS FROM JES**

**Explanation:** *Highlighted, unrollable message.*

An internal test of the JES control blocks failed.
Control-D retrieves data set characteristics from the JES2 control blocks. These blocks are release-dependent. To avoid abends, Control-D tests the blocks at the beginning of its process. If the test fails, message REP261E is displayed.

This error is often caused by MSGCLASS for started tasks being set to PURGE or DUMMY. Control-D uses the settings of MSGCLASS for started tasks for test SYSOUT.

Snaps are produced and put in the DADUMP DD statement. Control-D continues to process without retrieving characteristics from the JES Control Blocks.

Corrective Action: Do the following:

1. Ensure that the MSGCLASS output class for the started task (STC) in the JES2PARM member of the SYS1.PARMLIB library is not set to PURGE or DUMMY.
2. If MSGCLASS is set correctly, collect the relevant snaps from the DADUMP DD statement and contact BMC Software Customer Support.

REP262E ADDITIONAL USER \textit{USR} NOT FOUND IN TREE

Explanation: The Active User Report List file contains an ADDITIONAL USER that was not found on the Recipient Tree. The ADDITIONAL USER must be defined in the Recipient Tree.

The report will not be directed to that user. Processing continues.

Corrective Action: Add this ADDITIONAL USER to the Recipient Tree, or delete this ADDITIONAL USER from the Active and Permanent User Report List file.

REP263E A "DO NOTOK" HAS BEEN ACTIVATED FOR THIS JOB

Explanation: Informational message - the identifying string for a DO NOTOK statement in the decollating mission was found in the report.

The status of this decollating mission is set to ENDED NOTOK.

Corrective Action: No action is required.

REP264E NO REPORTS WERE SELECTED FROM SPOOL AND/OR FROM DSNS. CHECK THE "ON" DEFINITIONS

Explanation: No reports matched the decollating mission ON statement parameters.

If the current decollating mission contains the IN QUEUE parameter set to Y, and the job is not processed by another decollating mission, the decollation monitor takes the job ID from the last executed job with the matching job name, and accesses sysout files from the spool using this job ID.

Note:

This job ID appears in the Active Missions screen on the line corresponding to the mission. Note also that for jobs decollated from the spool, the mission always contains the IN QUEUE parameter set to Y.

One or more ON statements are defined in the decollating mission, but no reports were present that matched even one ON statement. Note that the reports can be from the spool and/or from compressed data sets.

Assume that job XYZ produces the following reports:

\texttt{REPORT CLASSAR1 ATOTAC W}
The following parameters are present in the decollating mission for this job:

ON CLASS X DO ........ ON CLASS Y DO ........

When this decollating mission is executed, none of the ON statements will work, since the job did not produce any output on class X or class Y.

If the decollating mission contains ON DSN statements, then the No CDAM data set matched the CDAM retrieval parameters which were supplied.

Note:
Control-D does not select sysouts that have the HOLD=OPER characteristic which can result in the issuing of this message as well.

The status of this decollating mission is set to ENDED NOTOK.

**Corrective Action:** No action is required.

1. Check the decollating parameters to make sure that the ON statements are correct, and match the expected outputs from the job.

2. If the ON statements are OK, check all the outputs of the job. Verify that all the expected reports were produced on the proper classes, or on the CDAM files.

After the problem has been determined and corrected, rerun the job and/or the decollating mission if necessary.

**REP265S** ERROR WHILE ALLOCATING A CDAM DATASET

**Explanation:** Internal Control-D error, or some CDAM error.

The status of this decollating mission is set to ENDED NOTOK.

**Corrective Action:** Check the IOA Log and the system log for additional clarification messages.

**REP266E** CTDPARM GENOTFND SETTING INVALID FOR CURRENT ENVIRONMENT - GENERIC DECOLLATION PROCESSING STOPPED

**Explanation:** The setting of the GENOTFND parameter in CTDPARM is not supported by the MVS/JES configuration of the computer.

Some options of the GENOTFND parameter in CTDPARM are valid only in certain MVS/JES configurations. For example, JES3 only supports GENOTFND when set to CLASS or DELETE.

The unmatched sysout file remains unchanged.

**Corrective Action:** No action is required.

1. Manually remove the problematic sysout from the generic class.

2. Correct the GENOTFND parameter in CTDPARM. For a description of the GENOTFND parameter, see the Control-D chapter of the *INCONTROL for z/OS Installation Guide*.

3. Restart the Control-D monitor after compiling CTDPARM.

**REP267I** DECOLLATION FROM SPOOL STARTED

**Explanation:** This information message is the normal start message when a decollating mission starts decollating reports from Spool.
Corrective Action: No action is required.

REP268I DECOLLATION FROM COMPRESSED DSN STARTED
Explanation: This information message is the normal start message when a decollating mission starts decollating reports from compressed data sets.
Corrective Action: No action is required.

REP269I DECOLLATION FROM MQ QUEUE STARTED
Explanation: This information message is the normal start message when a decollating mission begins decollating reports from the IBM WebSphere MQ queue.
Corrective Action: No action is required.

REP269S ERROR WHILE DECOLLATING A GENERIC MISSION
Explanation: The attempt to read sysout from the spool failed. Control-D has started to read sysout from the spool but a nonzero return code was received from JES. Control-D continues processing.
Corrective Action: Please check whether JES is up or down.

REP26AE MISSION ABENDED syscode usrcode
Explanation: Highlighted, unrollable message.
The decollation mission abended with either the system code syscode, or the user code usrcode, or both.
The decollation mission finishes NOTOK. Control-D tries to process other missions.
Corrective Action: If Control-D cannot process other missions, stop and restart the Control-D monitor. Save the job log of the Control-D decollation monitors and the output referenced by the IOADUMP DD statement of the decollation monitor which processed the problematic mission. Contact BMC Software Customer Support.

REP26BE SUBSYSTEM REQUEST FAILED FOR JOB jobName. RC15=rc, SSOBRETN=ssobretn_rc
Explanation: A “sysout processing” request caused an unexpected return code to be received from JES. JES was unable to satisfy the request.
The variables in this message are:
- jobName - the name of the job in which the request failed
- rc - the code returned in register 15
- ssobretn_rc - the contents of the SSOBRETN field of the request block
Corrective Action: Verify that JES is active and functions normally. If JES is functioning normally, save all sysouts of this execution of the Control-D monitor and contact BMC Software Customer Support. Request RESTORE of the problematic report again.
REP26DW variableTextMsg

Explanation: A text message is issued from the DAL transformer while a report is being decollated with transformation. The text, which may be information, a warning, or an error message, is directly related to the event that produced it, and provides specific information about that event.

The action that the system implements is included in the message text.

Corrective Action: The required user response is included in the message text.

Note:

For documentation of the following transformer messages listed under the current message, see, “Control-D Transformation Messages”:

- BMCDAL0009E TCL.Size : Missing resource resourceName (Type: resourceType)
- BMCDAL0614E TransformObject.ConvertObject: ConvObject_Create Create resource failed: resourceName (Type resourceType), rc= returnCode
- BMCDAL0678W Xerox warning cdpXerox returnCode : messageText
- BMCDAL0679E Xerox error cdpXerox returnCode : messageText

REP26EE ERROR IN DAL TRANSFORMER

Explanation: The DAL transformer found an error while a report was being decollated with transformation.

The decollating mission ends NOTOK.

Corrective Action: Examine the IOA Log for REP26DW messages relating to this decollating mission.

REP26FE APPROVAL approval NOT FOUND IN APPROVAL TREE

Explanation: The Approval name specified in the DO APPROV statement of the Report Decollation Definition screen is not found in the Approval Tree. The mission ends NOTOK.

Corrective Action: Correct the decollation mission and reschedule the mission.

REP270E SYSOUT PURGED. GENERIC DECOLLATING MISSION NOT FOUND FOR THE JOB

Explanation: Control-D found a non-held output on one of the Classes dedicated for Generic processing. There is a Generic decollating mission for the class, but there is no applicable decollating mission for the sysout.

Whenever a non-held output appears on the spool in one of the classes defined for Generic processing, Control-D looks for a Generic decollating mission (on the Active Missions file) which matches the job name. If a match is not found, the sysout is processed according to the Control-D installation the GENOTFND parameter. For more information, see the INCONTROL for z/OS Administrator Guide.

Control-D continues processing.

Corrective Action: No action is required.
REP271I GENERIC JOB DECOLLATION IS INACTIVE

**Explanation:** This information message indicates that Generic Processing is not active. The reason the message is issued depends in which of the following formats the message is issued.

- **regular, rollable message** - indicates that the corresponding Control-D monitor does not perform the Generic Processing. The Control-D monitor issues the message when it is started and after new day processing.

- **highlighted, unrollable message** - indicates that a job is waiting to be decollated in one of the Generic classes, but Generic Processing is not active. This message will appear every 10 minutes, until Generic Processing is activated.

Control-D continues processing, but no Generic Processing will be done.

**Corrective Action:** Use the following guidelines to resolve the problem:

- If you have Generic Missions that CTDNDAY processing should order, ensure that the GENLIST member contains the library and table name for your Generic Missions.

- If you have a Library and table names in the GENLIST member, ensure that the MEMBERS really exist in the library. Also verify that the library is the correct name.

- Check to see if CTDNDAY processing had an error during the ordering of GENLIST. If an error occurred the deactivation of Generic Processing is automatic.

- Check to see if someone issued the STOPGEN command.

Issue the following command, to activate Generic Processing:

```
F CONTROLD,STARTGEN
```

The application will respond by displaying the following message:

```
CTD139I GENERIC JOB DECOLLATION IS ACTIVE ON CLASSES (claslist)
```

To verify your classes, check the GENCLAS= parameter in the CTDPARM member.

Note:

If there are NO Generic Missions being ordered during the CTDNDAY processing, you need to manually activate Generic Processing if you are manually Forcing/Ordering Generic Missions.

For more information on activating and deactivating generic processing, see the INCONTROL for z/OS Administrator Guide.

REP272I SYSOUT REMOVED FROM QUEUE. GENERIC DECOLLATING MISSION NOT FOUND FOR JOB jobName

**Explanation:** This information message indicates that Control-D found a non-held output on one of the classes dedicated for Generic processing. There is a Generic decollating mission for the class, but there is no applicable decollating mission for the sysout.

Whenever a non-held output appears on the spool in one of the classes defined for Generic processing, Control-D looks for a Generic decollating mission (on the Active Missions file) which matches the job name. If a match is not found, the sysout is processed according to the GENOTFND Control-D installation parameter. Refer to the Control-D chapter in the INCONTROL for z/OS Administrator Guide.

Control-D continues processing.
Corrective Action: Check to see if the Generic decollating mission for this job should be on the Active Missions file. If so, order the decollating mission. If not, purge the sysout.

REP273I SYSOUT CLASS CHANGED FROM CLASS x TO ESCAPE CLASS y

Explanation: This information message indicates that Control-D found a non-held output on one of the classes dedicated for Generic processing. There is a Generic decollating mission for the class, but there is no applicable decollating mission for the sysout.

Whenever a non-held output appears on the spool in one of the classes defined for Generic processing, Control-D looks for a Generic decollating mission on the Active Missions file that matches the job name. If a match is not found under JES3, Control-D changes the sysout's class to an Escape Class as specified in the GENOTFND Control-D installation parameter and the output remains on the spool. Refer to the INCONTROL for z/OS Administrator Guide.

Control-D continues processing.

Corrective Action: Check to see if the Generic decollating mission for this job should be Active on the Active Missions file. If so, order the decollating mission. If not, purge the sysout.

REP274W MQ DECOLLATING MISSION NOT FOUND FOR THE MESSAGE FROM MQ QUEUE mqQueueName

Explanation: There is no appropriated mission with matched selection parameters for this message from the IBM WebSphere MQ queue.

This message will be moved to the IBM WebSphere MQ escape queue. The name of the escape queue must be defined in the CTDMQPRM parameter of the MQNOTFIND CTD PARM member.

Corrective Action: No action is required.

REP275E ERROR WHILE DECOLLATING FROM MQ mqQueueName

Explanation: The decollation was started, but a nonzero code was returned.

Control-D continues processing.

Corrective Action: Check any additional messages received during this IBM WebSphere MQ decollation.

REP276I MESSAGE moved to MQ ESCAPE QUEUE queueName

Explanation: This information message indicates that the message was moved to the queueName queue that was defined in the CTDMQPRM parameter of the MQNOTFIND CTD PARM member.

Corrective Action: No action is required.

REP279E MULTIPLE APPROVAL PROCESS WAS DEFINED INCORRECTLY FOR REPORT rename

Explanation: This message can be issue in the following conditions:
### Control-D Message Manual

**Control-D has detected that a report that was defined for multiple approval processing (MULTI=S) was not created. The status of the related reports created from the same SYSOUT is set to Candidate.**

- A report that was defined for multiple approval processing (MULTI=S) refers to more than one CDAM. Control-D does not expand multiple approval processing on secondary CDAMs. Reports referring to these CDAMs cannot be approved.

**Corrective Action:** Check the decollation mission or the original report to assure that all reports and corresponding approval components have been created correctly.

### REP27AE ERROR ERROR IN APPROVAL PROCESSING

**Explanation:** This message is issued after the REP279E or REP26FE message. The status of this decollation mission is set to ENDED NOTOK.

**Corrective Action:** Check the IOA log for additional error messages relating to this decollation mission.

### REP27CW jobId,jobName,ddName FROM numSpool LINES ON SPOOL
numRead LINES ARE READ

**Explanation:** During decollation of SYSOUT, Control-D checks the number of read lines and the number of lines in SSOB (SSSOLNCT or SSS2LNCT). If the number of lines read from the spool is equal to or greater than the number from SSOB, Control-D decollates the SYSOUT. This message is issued if the number of read lines is less than the number in SSOB, as Control-D considers the SYSOUT corrupted due to lost information. SYSOUT remains in the spool.

The variables in this message are:

- **jobName** - the name of the job with the sysout in which the mismatch occurred
- **jobId** - the job ID of the job with the sysout in which the mismatch occurred
- **ddName** - the name of the DD statement with the sysout in which the mismatch occurred
- **numSpool** - the number of lines of sysout on the spool
- **numRead** - the number of lines of sysout read from the spool

The decollation mission finishes NOTOK.

**Corrective Action:** Try to correct the sysout. If it is not possible to correct the sysout, and you want Control-D to process such corrupted sysouts, temporarily specify APPLY=Y for the optional wish WD3597. If the problem persists, keep all sysouts of this execution of the Control-D monitor, and contact BMC Customer Support.

**Note:**

BMC recommends not to specify APPLY=Y for the optional wish WD3597 as a permanent setting.

### REP27EW jobId,jobName,ddName FROM numRead LINES READ FROM SPOOL, numLines LINES IN numPages PAGES PASSED TO CDAM

**Explanation:** The number of lines of sysout read from the spool is not the same as the number of lines of sysout written to CDAM.

The variables in this message are:
The Control-D monitor terminates with the user code U027.

**Corrective Action:** If there is an urgent reason to temporarily bypass the U027 abend, specify APPLY=Y for the optional wish WD3597. (Note that some lines from the spool might be lost.) Keep all sysouts of this execution of the Control-D monitor, and contact BMC Customer Support.

**Note:**
BMC recommends *not* to specify APPLY=Y for the optional wish WD3597 as a permanent setting.

**REP27FI** `jobId,jobName,ddName SYSOUT IS HELD IN GENERIC CLASS clss`

**Explanation:** The sysout of the identified job cannot be decollated by a generic decollation mission. The reason is an error identified in a previous message.

The variables in this message are:

- `jobName` - the name of the job with the problematic sysout
- `jobId` - the job ID of the job with the problematic sysout
- `ddName` - the name of the DD statement with the problematic sysout
- `clss` - the spool class of the sysout

Processing continues, but the status of the sysout is set to HELD.

**Corrective Action:** Examine the log for the previous message that identifies the error, and proceed according to the User Response for that message.

**REP27GE** `jobId,jobName,ddName JES I/O ERROR RSN rsn FOR SYSOUT CLASS clss`

**Explanation:** A JES I/O error occurred during the reading of sysout from the spool.

The variables in this message are:
jobName - the name of the job with the sysout that was being read when the mismatch occurred
jobId - the job ID of the job with the sysout that was being read when the mismatch occurred
ddName - the name of the DD statement with the sysout that was being read when the mismatch occurred
rsn - the reason code from the FDBK field of JES
class - the spool class of the sysout

The decollation mission finishes NOTOK.

**Corrective Action:** Try to correct the sysout. If the problem persists, keep all sysouts of this execution of the Control-D monitor, and contact BMC Software Customer Support.

**Messages REP300 through REP3xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

REP304E xxxxxxx NOT OK WITH cc Y REASON CODE zzzz MQ NAME uuuuuuuu

**Explanation:** An error was detected during interface with IBM WebSphere MQ Series.

The variables in this message are:

- xxxxxxxx - which can be one of the following interface functions:
  - MQCONN
  - MQDISC
  - MQOPEN
  - MQGET
  - MQPUT
  - MQCLOS
  - MQCOMMT
- cc - the completion code, which can be
  - 0
  - 1,
  - 2
- zzzz - the reason code, which can have many different values. More detailed information about reason codes is included in the IBM WebSphere MQ Series documentation set.

System action is determined by the completion code and reason code combination. More detailed information about these codes is included in the IBM WebSphere MQ Series documentation set.
**Corrective Action:** User response to a particular completion and reason code combination is determined by that combination. More detailed information about these codes is included in the IBM WebSphere MQ Series documentation set.

**REP305E INSUFFICIENT MEMORY TO DECOLLATE MESSAGE FROM MQ**

**Explanation:** Insufficient memory to decollate the message from the IBM WebSphere MQ queue.

**Corrective Action:** Increase the Control-D monitor REGION size.

**REP306E IOAUCODE INITIALIZATION FAILED RC rc REASON rsn**

**Explanation:** An error was detected during initialization of the table used in the translation of an XML report or in the checking of XPath values of the mission definition. The message can be issued from

- the R screen
- the A.Z screen
- the Control-D monitor

Possible causes of this error are:

- the ENCODTBL member was not found in the IOA IOAENV library
- the ENCODTBL member contains more than 100 entries
- some other internal error

The following system actions occur:

- The translation of the XML report does not proceed. Control-D continues processing.

**Corrective Action:** No action is required.

1. Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate the IOA Online facility, and continue the mission definition edition.
2. Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate Control-D, and run this mission again.

If the problem persists contact BMC Software Customer Support.

**REP307E UNICODE TRANSLATION FAILED RC rc REASON rsn**

**Explanation:** An error was detected during translation of an XML report to EBCDIC or during the checking of XPath-values of the mission definition for XML reports. The message can be issued from

- the R screen
- the A.Z screen
- the Control-D monitor

The variables in this message are:

- **rc** - the return code

Valid values are:

- 4 - incomplete translation, due to separator (FF)
INCONTROL for z/OS Messages Manual

- 8 - the encoding pair that was specified in ENCODTBL is not supported
- 12 - the input data in the XML report was incorrect
- 16 - internal error: incorrect parameters
- 20 - one of the members that was specified in ENCODTBL was not found in the IOA IOAENV library

- rsn - the code that disclosed the detailed reason for the internal error

The following system actions occur:

- The translation of the XML report does not proceed. Control-D continues processing.

Corrective Action: No action is required.

1. Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate the IOA Online facility, and continue the mission definition edition.
2. Check the ENCODTBL member in the IOA IOAENV library, make any necessary corrections, reactivate Control-D and run this mission again.

If the problem persists contact BMC Software Customer Support.

REP308I SYNCHRONIZATION WITH BACKUP/CTDDELRP ENDED

Explanation: This information message indicates that the synchronization process has finished.

Control-D received notification from the CTDDELRP utility or from the Backup Mission that the synchronization ended; therefore the decollating task on the monitor may resume. See message MONA59I for an explanation of the synchronization process.

Control-D continues the previously interrupted decollating tasks.

Corrective Action: No action is required.

REP309I SHUT DOWN UPON REQUEST OF MAIN TASK

Explanation: This information message indicates that Control-D monitor has been shut down.

Shut down of Control-D internal decollating task by request of the Control-D main task.

The Control-D monitor will shut down.

Corrective Action: No action is required.

REP30AI MQ DECOLLATION IS STOPPED

Explanation: The MQ interface process has stopped.

This message can appear for two reasons:
- The STOPMQ modify command was issued
- Errors occurred during MQ interface

Corrective Action: If errors occurred during MQ interface, review the LOG to determine the cause, make appropriate corrections, and issue the STARTMQ modify command.
REP30BE LOADING OF MODULE OF MQ STUB IS FAILED, THE NAME IS

**Explanation:** The prefix.prefixLOAD library is not installed or the IBM WebSphere MQ Series is not installed for the user, but an MQ decollation mission was defined.

The CTD30AI message will be issued and IBM WebSphere MQ decollation will be stopped.

**Corrective Action:** If the IBM WebSphere MQ Series is not installed, delete the MQ mission. Otherwise correct your installation configuration and then issue the STARTMQ modify command.

REP30CE ANY OF MQ QUEUES CAN NOT BE OPENED

**Explanation:** Control-D tried to retrieve a message from every IBM WebSphere MQ queue, but all attempts failed.

The CTD30AI message will be issued and IBM WebSphere MQ decollation will be stopped.

Review previous messages and issue appropriate responses. After you perform the necessary corrections, issue the STARTMQ modify command.

**Corrective Action:** No action is required.

REP30DI MQ QUEUE IS BEING CLOSED BECAUSE PUT/GET IS FAILED, QUEUE NAME `queueName`

**Explanation:** The access to the IBM WebSphere MQ Series queue `queueName` is being closed because of failure of MQPUT for the ESCAPE MQ queue, or failure of MQGET for the MQ queue.

Control-D continues processing MQ decollations until this message is issued for all MQ queues.

**Corrective Action:** For additional information see the IBM WebSphere MQ Series documentation set.

REP30EE MEMBER CTDMQPRM IS NOT FOUND IN CTD PARM OR VALUE OF MQNOTFIND PARAMETER IS NOT DEFINED

**Explanation:** The CTDMQPRM member was not found in CTD PARM, or the value of the MQNOTFIND parameter has not been defined.

The CTD30AI message will be issued and IBM WebSphere MQ decollation will be stopped.

**Corrective Action:** Define the CTDMQPRM member or add the name of the MQNOTFIND parameter; then issue the STARTMQ modify command.

**Messages REPB00 through REPBxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

REPBI0E "FE" PRINT SUPPORT ERROR. RETURN CODE `rc`

**Explanation:** An executing Decollation Mission failed to create or update a Printing Mission record in the Active User Report file.
When the DO PRINT parameter is specified in a decollating mission Definition, the Control-D Decollation monitor writes an internal Printing Mission record to indicate that reports specified in the DO PRINT parameter are waiting to be printed by the Printing Mission. These records have the following key:

\[ X'FE', C'PRINTMS', \text{Printing\_Mission\_Name} \]

In this message, \( rc \) is the return code from routine CTDXRP.

The decollating mission completes decollating the reports but terminates with status NOT-OK. Reports created by this decollating mission cannot be selected by any Printing Mission specified in the DO PRINT parameter of this decollating mission.

**Corrective Action:** The reports can be manually scheduled for Deferred Printing by using option (line command) P to display the Print Window in the Active User Reports List and then specifying the Printing Mission name. If the problem persists, record the return code and contact BMC Software Customer Support.

**REPB11W DEFAULT PRINT MISSION IS NOT DEFINED FOR SUBSCRIBED REPORT**

**jobName / username / reportName**

**Explanation:** The default PRINT mission was not defined when the report was set for subscription. Subscription will not be performed.

**Corrective Action:** Do one of the following:

- Define parameter PRINT-NOTIFY=default_PRINT_mission in the CTDSPARM member in the in CTD PARM library.
- Change the decollation mission definition by adding a DO PRINT statement with MUST=S (for full subscribed reports) and/or define a PRINT mission with TYPE=S (for subscribed reports by index).

**Messages REPG00 through REPGxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**REPG01E INDEX CREATION ERROR. RC = rc, INTERNAL RC = int_rc, REASON = rsn**

**Explanation:** Control-V was unable to create an index file.

Even though the index file is not created, the decollated report is produced.

Possible causes are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>20</td>
<td>Insufficient space on the volumes to create the index file.</td>
</tr>
<tr>
<td>Return Code</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>28</td>
<td>Size of the index file calculated internally is not big enough for all entries.</td>
</tr>
<tr>
<td>40</td>
<td>Dynamic allocation error.</td>
</tr>
<tr>
<td>44</td>
<td>Dynamic deallocation error.</td>
</tr>
<tr>
<td>48</td>
<td>Sort error.</td>
</tr>
<tr>
<td>Other</td>
<td>Internal error.</td>
</tr>
</tbody>
</table>

This message is followed by message REPG06E.

The index is not created.

**Corrective Action:** Take appropriate actions to correct the problem associated with the specified return code:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Increase the REGION size of the Control-D or Control-V Decollation monitor.</td>
</tr>
<tr>
<td>20</td>
<td>Clear space on the volumes defined for index files in Control-V Installation Parameters or add another volume to the Control-V Installation Parameters.</td>
</tr>
<tr>
<td>28</td>
<td>First check that definition of every subindex is correctly defined in the decollation mission. If this is not the source of the problem, turn to BMC Software Customer Support, supplying the decollation mission definition and sample pages of the report.</td>
</tr>
<tr>
<td>40</td>
<td>For a description of the return code received, see the IBM manual <em>MVS Programming: Authorized Assembler Services Guide</em>. If you cannot resolve the problem, record the return code, internal return code and reason code. Contact BMC Software Customer Support.</td>
</tr>
<tr>
<td>44</td>
<td>Take the same action outlined for return code 40 above.</td>
</tr>
<tr>
<td>48</td>
<td>Check the sort messages in the Control-D or Control-V Decollation monitor sysout. If you cannot resolve the problem, record the sort messages and contact BMC Software Customer Support.</td>
</tr>
</tbody>
</table>
Return Code | Explanation
-------------|--------------
other | Record the return code, internal return code and reason code and contact BMC Software Customer Support.

REPG02E INDEX CREATION ERROR - INDEX SPANS OVER MORE THAN ONE CDAM DATASET

**Explanation:** A Report Decollation Mission attempted to index a report which spanned more than one Compressed Dataset Access Method (CDAM) data set.

Different CDAM data sets are created for each sysout of a report. An index file cannot index more than one CDAM data set. Use separate indexes, meaning, indexes with different names, to index different CDAM data sets.

The index is not created.

**Corrective Action:** Determine how many sysouts the job has and create an index for each, or alternately modify the decollation mission so that it creates indexes with different names for each CDAM data set by using the DCAM expression ALLOCOTOPT=ONEDSN. See the Control-D and Control-V User Guide.

REPG03E INDEX CREATION ERROR - NO INDEXES CREATED

**Explanation:** The creation of the index file was not successful.

The index is not created. The status of the decollating mission is set to ENDED NOTOK.

**Corrective Action:** Check the IOA Log file and the Control-D or Control-V monitor job log for additional messages relating to this decollating mission.

REPG04W TOO MANY RESIDENT INDEXES FOR REPORT report - MAXIMUM 3

**Explanation:** An attempt was made to create more than three DASD-resident indexes for a single report. The maximum number of resident indexes for one report is three.

The index is created but is not designated DASD-resident. It will be deleted from DASD when the corresponding report is deleted and will be available on migrated media, if the report is migrated.

**Corrective Action:** Redefine the Report decollating mission to specify not more than three indexes that will remain DASD-resident.

REPG05E TOO MANY INDEXES FOR REPORT report - ONLY 9 CREATED

**Explanation:** An attempt was made to create more than nine indexes for a single report.

A maximum of nine indexes can be defined for one report.

Only the first nine indexes are created.

**Corrective Action:** Redefine the Report decollating mission to specify a maximum of nine indexes for this report.
REPG06E INDEX DSNAME=dsn BLOCKS=blk

Explanation: An error occurred during the creation of the dsn index file containing blk blocks. This message is preceded by message REPG01E. See message REPG01E for more information.

Corrective Action: No action is required.

REPG07E "DDNAMES" INDEX NOT CREATED - ALLOCOPT "ONEDSN" OR "JOBSDSN1" REQUIRED

Explanation: The user attempted to create a DDNAMES index for a report created by a decollating mission whose ON CLASS statement does not contain ALLOCOPT=ONEDSN or JOBSDSN1 in the PRINT/CDAM PARMS field.

The index is not created.

Corrective Action: Add the expression ALLOCOPT=ONEDSN or ALLOCOPT=JOBSDSN1 to the decollation mission definition. For more information on the ALLOCOPT parameter, see the CDAM chapter in the Control-D and Control-V User Guide or the Control-D and Control-V User Guide.

REPG08W MORE THAN ONE SUBINDEX WITH THE SAME NAME. ONLY THE FIRST ONE IS DEFINED

Explanation: The user attempted to specify the same name for more than one subindex of a main index.

All subindexes of a main index must have unique names. It is recommended that all indexes specified for a report have unique names.

When a subindex is encountered whose name was specified for a previously specified subindex, that subindex and all the indexes under it (if any) are not created.

Corrective Action: Change the subindex's name.

REPG09W INCONSISTENT INDEX TREE STRUCTURE. SOME INDEXES/VALUES ARE NOT CREATED.

Explanation: The index tree defined for the report in the decollation mission is not consistent in structure.

During a run of a decollation mission, a main index was encountered that does not have the same subindexes defined throughout the mission definition. The topology of the index tree must be consistent.

Some of the subindexes are not created because of this inconsistency. Other subindexes may have incorrect values.

Corrective Action: Correct the index definition in the decollation mission and rerun the mission.

REPG0EE GLOBAL INDEX CREATION ERROR - NO GLOBAL INDEXES CREATED.

Explanation: This message is issued when loading the Global Index database immediately during the decollation mission run, if the database is not loaded successfully. This message is preceded by CTD and GIX messages explaining the cause of the problem.
Control-D decollates the reports without loading the index values into the Global Index database.

**Corrective Action:** Perform the following:

- Examine the preceding messages to find out reason for the problem, and fix the problem.
- Use the CTDGBILD job to load index values from reports decollated by this mission to the Global Index database.

**REPG0GW UNSUPPORTED MULTI-VALUE INDEX STRUCTURE. SOME VALUES ARE NOT CREATED.**

**Explanation:** The indexing report has the value structure of a multi-value index that is not supported by the current implementation of Control-V.

**Corrective Action:** Contact your INCONTROL administrator.

**REPG0HE SYSTEM VARIABLE %%%var ISN'T SUITABLE FOR CURRENT ENVIRONMENT.**

**Explanation:** This message is issued when the current environment does not provide the ability to use the %%%var system variable in SET/DO SET statements in decollation missions. The reason for the problem is due to the value of %%%var.

<table>
<thead>
<tr>
<th>Variable and value</th>
<th>Possible reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>$MEMORY=ABOVEBAR</td>
<td>The environment does not support 64-bit addressing mode</td>
</tr>
</tbody>
</table>

The Control-D monitor terminates the mission with the status of NOTOK.

**Corrective Action:** Start the CONTROL-D monitor in another environment, or remove the SET/DO SET statement for the %%%var system variable from the decollation mission definition.

**RFR messages**

This group includes messages for the Control-O product.

**Messages RFR800 through RFR8xx**

This group includes messages for the Control-O product.

**RFR8E9I {CONTROL-O|CTMCMEM} LOADER TASK STARTED**

**Explanation:** In Control-O, this information message indicates that the task responsible for loading rules and Global variables has begun.

In Control-M, this information message indicates that the task responsible for loading CMEM rules has begun.

**Corrective Action:** No action is required.
INCONTROL for z/OS Messages Manual

RFR8EAE CTORFR DETECTED AN INVALID CHAIN STRUCTURE

Explanation: Control-O detected invalid structure for internal control blocks.
This message indicates an internal error.
The Control-O monitor terminates.
Corrective Action: Contact BMC Software Customer Support.

RFR8EBI {CONTROL-O | CTMCMEM} LOADER TASK ENDED

Explanation: In Control-O, this information message indicates that the task responsible for loading rules and Global variables has terminated successfully.
In Control-M, this information message indicates that the task responsible for loading CMEM rules has terminated successfully.
Corrective Action: No action is required.

RFR8ECS ERROR ATTACHING CTOCPS - GLOBAL VARIABLES COMPRESSION FEATURE INACTIVE

Explanation: The CTOCPS program, which is responsible for automatic compression of the Global AutoEdit library, could not be loaded.
The Automatic Compression Facility is not activated.
Corrective Action: Check associated MVS messages for the reason and for possible corrective actions, for example, wrong load library concatenation, or region too small.

RFR8EDS ERROR VERIFYING GLOBAL VARIABLES LIBRARY - GLOBAL COMPRESSION FEATURE INACTIVE

Explanation: The CTOCPS program detected an error while verifying that the previous LOADGLOBAL/WRITEGLOBAL action ended successfully.
When automatic compression is activated, the $$COMPST member in the Global AutoEdit library is checked to see if the previous compress ended successfully. An error was detected by the program that performs the check on the $$COMPST member. This message is preceded by messages that describe the cause of the error.
The LOADGLOBAL/WRITEGLOBAL operation that prompted the verification process is terminated.
Corrective Action: Check preceding messages for the cause of the error and possible corrective actions.

RFR8EES ERROR COMpressing GLOBAL VARIABLES LIBRARY

Explanation: Compression of the Global AutoEdit library failed.
This message is preceded by messages describing the cause of the error.
The compression process is terminated.
Corrective Action: Check preceding messages for the cause of the error and possible corrective actions.
INCONTROL for z/OS Messages Manual

RFR8EFS cmd COMMAND FAILED

Explanation: The CTORFR program detected an error while executing the cmd command. This message can result from problems while loading variables or tables, or (in Control-O) while writing variables to the Global AutoEdit library. This message is preceded by messages describing the cause of the error.

The command specified in this message is terminated.

Corrective Action: Check the preceding messages for the cause of the error and possible corrective actions.

RLR messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages RLR600 through RLR6xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

RLR621E THE UTILITY CTMRELRS MAY BE ACTIVATED ONLY FROM BATCH JOBS

Explanation: The CTMRELRS utility (the CTMRLR program) has been activated from a started task or from a TSO session. The CTMRELRS utility may be activated only from batch jobs which are submitted by the Control-M monitor.

The CTMRELRS utility stops executing with a condition code of 04. The resource is not released.

Corrective Action: See the INCONTROL for z/OS Utilities Guide for usage restriction of the utility.

RLR622E THIS JOB WAS NOT SUBMITTED FROM CONTROL-M. THE RESOURCE IS NOT RELEASED

Explanation: The CTMRELRS utility (the CTMRLR program) was activated from a job that was not submitted by the Control-M monitor. Only a job that is submitted by the Control-M monitor can release its own quantitative resources.

The CTMRELRS utility stops executing with a condition code of 04. The resource is not released.

Corrective Action: For more information on usage restriction of the utility, see the INCONTROL for z/OS Utilities Guide.

RLR623I QUANTITATIVE RESOURCE res - quantity action

Explanation: This information message indicates that the quantity of the specified quantitative resource has been released for general use or changed by the CTMRLRES utility.

The specified action is either RELEASED or CHANGED.
**Corrective Action:** No action is required.

**RLR625S** INVALID FUNCTION. USE "RELEASE" OR "CHANGE"

**Explanation:** Invalid function supplied as a parameter to the CTMRELRS utility. The CTMRELRS utility stops executing with a condition code of 04. The resource is not released or changed.

**Corrective Action:** Specify either function RELEASE or CHANGE for the utility.

**RLR627E** YOU CANNOT RELEASE MORE res THAN THOSE ALLOCATED TO THIS JOB

**Explanation:** The quantity of the res resource requested to be released by the job using the CTMRELRS utility is greater than the quantity of the resource currently allocated to the job. The utility stops executing with a condition code of 04. The resource is not released.

**Corrective Action:** Correct the parameters of the utility.

**RLR628E** RESOURCE res IS NOT ALLOCATED TO THIS JOB

**Explanation:** The res quantitative resource to be released by the CTMRELRS utility is not allocated at all to the job that activates the utility. A job can only release resources which are allocated to it. The utility stops executing with a condition code of 04. The resource is not released.

**Corrective Action:** For more information on usage restriction of the utility, see the INCONTROL for z/OS Utilities Guide.

**RLR629S** OPEN OF PARAMETER LIST FAILED. DDNAME "DARELIN"

**Explanation:** Open of the control statements file failed (the DARELIN DD statement in the CTMRELRS utility).

Possible causes are:

- The DARELIN DD statement is missing.
- The data set described by the DARELIN DD statement does not exist, or cannot be opened for sequential read, or the record length is not 80.

Program execution stops with a condition code of 08.

**Corrective Action:** Correct the JCL for the job and run it again.

**RLR630E** YOU CANNOT INCREASE THE NUMBER OF quantResourceName ALLOCATED TO THIS JOB

**Explanation:** The quantity requested to be changed using the CTMRELRS utility is greater than the quantity of the resource currently allocated to the job. The CTMRELRS utility can only be used to decrease the quantity of the resource allocated to a job.
The utility stops executing with a condition code of 4. The resource amount allocated to the job is not changed.

**Corrective Action:** Correct the parameters of the job.

**RLR631E** RESOURCE *quantResource* WAS NOT FOUND IN THE RESOURCE FILE

**Explanation:** The *quantResource* Quantitative resource does not exist. The missing resource was named as input to the CTMRLR program.

**Corrective Action:** Ensure that the name of the resource specified as input to the program matches the resource name in the job scheduling definition.

**RLR632I** JOB RELEASED *num* UNITS OF RESOURCE *quantResource*

**Explanation:** This information message indicates that the CTMRLR program released the specified quantity (*num*) of *quantResource* Quantitative resources while a job was still in progress.

Usually, resources are released only when a job is finished.

**Corrective Action:** No action is required.

**RSC messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages RSC600 through RSC6xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**RSC690I** CHECKING RESULTS OF MISSION *misName* ODATE=modate TIMESTAMP=misTime

**Explanation:** This information message indicates that the restore job that executes the pointed out mission started to check the result of the restore utility.

The variables in this message are:

- *misName* - the name of the restore mission
- *modate* - the original scheduling date of the restore mission
- *misTime* - the time stamp of the restore mission

**Corrective Action:** No action is required.
RSC691E INVALID PARAMETERS FOR RESTORE ANALYZE PROGRAM

Explanation: An invalid parameter was passed to the restore job. This message is produced by the last step of the restore job, which executes the CTDRSC program. CTDRSC analyzes the output of the restore process. The parameters passed to this program are wrong. For further details please refer to the INCONTROL for z/OS Administrator Guide.

The restore of the requested data sets will not be performed. The status of the Restore Mission will remain RESTORE IN PROCESS.

Corrective Action: No action is required.

1. Check the last step of the restore job which can be found on the library allocated to the DADJOB DD statement. This step executes the CTDRSC program, and has two parameters; timestamp and mission name. Refer to the sample skeleton job RSTDFDSS on the Control-D SKL library for the correct format of these two parameters, modify the JCL, and rerun the job. The status of the Restore Mission will then change to ENDED OK.

2. In order to prevent this problem from occurring again, modify the last step of the restore job which can be found on the library allocated to the DADSKL DD statement.

RSC692E DATASET: dsn NOT FOUND AFTER RESTORE. RC FROM LOCATE IS rc

Explanation: One or more CDAM extents were not found during the ANALYZE step of the RESTORE procedure.

Contact your local INCONTROL administrator.

Corrective Action: No action is required.

RSC693E DATASET WAS NOT RESTORED: dsn

Explanation: A CDAM data set that should have been restored by the restore job was not restored.

A CDAM data set that should have been restored by a certain Restore Mission, was not restored when the restore job finished. The restore failure might have been caused by security problems, insufficient space in disk, and so on.

An error message is issued, and the Restore Mission ends NOTOK.

Corrective Action: Check the sysout of the restore job, locate the appropriate DF/DSS or FDR error messages, and solve the problem. After the problem has been solved, rerun the Restore Mission.

RSC694E MISSION misName TIMESTAMP=misTime FAILED TO OPEN RESTORE UTILITY MESSAGES FILE

Explanation: The restore job executing the specified restore mission was unable to open the messages file of the invoked restore utility.

The variables in this message are:

- misName - the name of the restore mission
- misTime - the time stamp of the restore mission

The restore mission ends NOTOK.
Corrective Action: Check the additional messages issued from the restore job.

RSC695E NO PENDING RESTORE MISSION *misName* TIMESTAMP=*misTime* FOUND IN ACTIVE MISSION FILE

Explanation: The restore job intended for execution of the specified restore mission did not find that mission in the Active Mission file.

The variables in this message are:
- *misName* - the name of the restore mission
- *misTime* - the time stamp of the restore mission

This may occur because the restore mission was removed from the Active Mission file or was reset by the CTDRESET utility before the job finished.

The restore job only prints the restore utility log.

Corrective Action: Check the IOALOG.

RSC696E MISSION *misName* TIMESTAMP=*misTime* FAILED TO OPEN ACTIVE MISSION FILE

Explanation: The restore job executing the specified restore mission was unable to open the Active Mission file.

The variables in this message are:
- *misName* - the name of the restore mission
- *misTime* - the time stamp of the restore mission

The restore job only prints the restore utility log.

Corrective Action: Call your INCONTROL Administrator.

RSC698I RESULT OF MISSION *misName* ODATE=*modate* TIMESTAMP=*misTime* IS OK

Explanation: This information message indicates that the restore mission finished successfully.

The variables in this message are:
- *misName* - the name of the restore mission
- *modate* - the original scheduling date of the restore mission
- *misTime* - the time stamp of the restore mission

Corrective Action: No action is required.

RSC699E RESULT OF MISSION *misName* ODATE=*modate* TIMESTAMP=*misTime* IS NOT OK

Explanation: An error was encountered in the restore mission execution. The detailed description of the error is given in the previous displayed messages.
The variables in this message are:

- **misName** - the name of the restore mission
- **modate** - the original scheduling date of the restore mission
- **misTime** - the time stamp of the restore mission

The restore mission ends NOTOK.

**Corrective Action:** Check the report of mission execution in the IOALOG and in the output of the restore job.

**RSC69DI RESTORED REPORT: ID=recordId jobname/recipient/report**

**Explanation:** This information message indicates that backed up (migrated) report is successfully restored in the Active User Reports file.

The variables in this message are:

- **recordId** - the internal database identifier of the report
- **jobname** - the name of the job that created the report
- **recipient** - the user for whom the report was created
- **report** - the name of the report

**Corrective Action:** No action is required.

**RSC69EE FAILED TO RESTORE REPORT: ID=recordId jobname/recipient/report**

**Explanation:** The restore job was unable to restore the backed up (migrated) report in the Active User Reports file due to an error in the restore job execution.

The variables in this message are:

- **recordId** - the internal database identifier of the report
- **jobname** - the name of the job that created the report
- **recipient** - the user for whom the report was created
- **report** - the name of the report

The restore mission ends NOTOK.

**Corrective Action:** Check the output of the restore job.

**RSC69FW FAILED TO RESTORE NOTE OF REPORT: ID=recordId jobname/recipient/report**

**Explanation:** The restore job successfully restored the backed up (migrated) report in the Active User Reports file, but was unable to restore the notes of the report due to an error occurred in the restore job execution.

The variables in this message are:
Messages RSCA00 through RSCAxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

RSCA50I MISSION misName ODATE=modate TIMESTAMP=misTime WAIT FOR ANOTHER RESTORE/CTDDELRP TO TERMINATE

Explanation: This information message indicates that the restore job executing the misName mission has been suspended until the CTDDELRP utility or another restore job being executed finishes.

The variables in this message are:

- misName - the name of the restore mission
- modate - the original scheduling date of the restore mission
- misTime - the time stamp of the restore mission

Corrective Action: No action is required.

RSCA51W MISSION misName ODATE=modate TIMESTAMP=misTime NO APPROPRIATE RESTORE REQUEST FOUND ON HIS/MIG FILE

Explanation: The restore job did not find any restore request assigned to the mission being executed.

The variables in this message are:

- misName - the name of the restore mission
- modate - the original scheduling date of the restore mission
- misTime - the time stamp of the restore mission

The restore mission ends NOTOK.

Corrective Action: No action is required.

RSCA52E MISSION misName ODATE=modate TIMESTAMP=misTime FAILED TO UPDATE THE MISSION STATUS. RC=rc

Explanation: The restore job failed to update status of the restore mission that it executed.

The variables in this message are:
The restore mission remains in RESTORE IN PROCESS status.

Corrective Action: Call your INCONTROL Administrator.

RSCA53E "FE" PRINT SUPPORT ERROR. RETURN CODE rc


When a record with status WAITING FOR PRINT is restored, the Control-D Decollation monitor writes an internal Printing Mission record to indicate that there are reports waiting to be printed by the Printing Mission specified in the DO PRINT parameter. These records are produced with the following key: X'FE','PRINTMS',Printing-Mission-Name. rc is the return code from routine CTDXRP.

The Restore Mission restores the reports but terminates with NOTOK status. The restored reports will not be selected by any Printing Mission whose name is specified in Decollation Mission parameter DO PRINT.

Corrective Action: These reports can be manually scheduled for Deferred Printing by using line command P to display the Print Window under option U and then specifying the Printing Mission name. If the problem persists, report the return code to BMC Software Customer Support.

RSCA53W MISSION misName ODATE=modate TIMESTAMP=misTime FAILED IN PRINTING MANAGEMENT. RC=rc

Explanation: The restore job successfully restored reports assigned to the executed mission, but failed to assign those of them which have not yet been printed to the corresponding print missions.

The variables in this message are:

- misName - the name of the restore mission
- modate - the original scheduling date of the restore mission
- misTime - the time stamp of the restore mission
- rc - the return code passed back from the program that manages the print requests.

Corrective Action: Use the CTDBLXRP utility to reset the print requests management.

RSCA54I RSTRESET PROCESSING STARTED

Explanation: This information message denotes the normal start of the RSTRESET Control-D utility.

The RSTRESET utility changes the status of all active restore missions to ENDED NOT OK, and changes the status of all reports selected for restoring to BACKED UP.

Corrective Action: No action is required.
RSCA55I RSTRESET PROCESSING ENDED

Explanation: This information message indicates that the RSTRESET Control-D utility ended normally.
Corrective Action: No action is required.

RSCA56E MISSION misName ODATE=modate TIMESTAMP=misTime CANNOT CONTINUE WORKING

Explanation: This message indicates that due to an error that occurred when processing the User Reports file, the restore job cannot continue. The detailed description of the error is given in the previous displayed message CTD908S.

The variables in this message are:
- misName - the name of the restore mission
- modate - the original scheduling date of the restore mission
- misTime - the time stamp of the restore mission

The restore mission ends NOTOK.
Corrective Action: Call your INCONTROL Administrator.

RSCA57W FAILED TO ASSIGN REPORT FOR PRINTING: ID=recordId/jobname/recipient/report

Explanation: The restore job successfully restored the specified report, but failed to assign it to a print mission.

The variables in this message are:
- recordId - the internal database identifier of the report
- jobname - the name of the job that created the report
- recipient - the user for whom the report was created
- report - the name of the report

Corrective Action: Use the CTDBLXRP utility to reset the print requests management.

RSCA58S OPEN OF ACTIVE MISSIONS FILE FAILED.

Explanation: The CTDRESET utility has failed to open the Active Mission file.
The utility does not reset reports restore processing.
Corrective Action: Call your INCONTROL Administrator.

RSCA59I RESTORE MISSION misName ODATE=modate TIMESTAMP=misTime IS RESET

Explanation: This information message indicates that the CTDRESET utility successfully reset the pending restore mission.
The variables in this message are:

- **misName** - the name of the restore mission
- **modate** - the original scheduling date of the restore mission
- **misTime** - the time stamp of the restore mission

**Corrective Action:** No action is required.

RSCA5AI REPORT: ID=recordId/jobname/recipient/report IS RESET TO STATUS 'WAIT RESTORE / BACKED UP'

**Explanation:** This information message indicates that the CTDRESET utility reset the status of the report to WAIT RESTORE or to BACKED UP in correspondence with parameter specified in the utility call.

The variables in this message are:

- **recordId** - the internal database identifier of the report
- **jobname** - the name of the job that created the report
- **recipient** - the user for whom the report was created
- **report** - the name of the report

**Corrective Action:** No action is required.

RSCA5BI RESTORE RESET PROCESSING TERMINATED

**Explanation:** Due to a severe error during the execution of the CTDRESET utility, its execution has terminated. The detailed description of the error is given in the previous displayed messages.

The utility did not reset reports restore processing.

**Corrective Action:** Call your INCONTROL Administrator.

RSCA5CE MISSION misName ODATE=misoDate TIMESTAMP=misTime FAILED TO UPDATE ITS STATUS (SECURITY VIOLATION)

**Explanation:** The restore mission indicated in the message cannot update its status in the Active Mission file because of a security violation.

The mission remains in status IN PROCESS.

**Corrective Action:** Perform the following actions:
1. Run the CTDRESET utility to reset the mission status.
2. Correct the security rules related to the restore mission job.
3. Rerun the mission.

RSCA5DE MISSION misName ODATE=misoDate TIMESTAMP=misTime FAILED TO UPDATE ITS STATUS (UPDATE QUEUE OVERFLOW)

**Explanation:** The restore mission indicated in the message cannot update its status in the Active Mission file because of update queue overflow in the Active Mission file service.
The mission remains in status IN PROCESS.

**Corrective Action:** Perform the following actions:

1. Run the CTDRESET utility to reset the mission status.
2. If the mission ended NOTOK, rerun the mission.

**RSCA5EE** STATUS OF MISSION *misName* ODATE=*misoDate* TIMESTAMP=*misTime* CANNOT BE RESET (RC=rc)

**Explanation:** Where rc is the return code of the Active Mission file service.

Utility CTDRESET cannot reset, in the Active Mission file, the status of the mission indicated in the message.

The mission remains in status IN PROCESS.

**Corrective Action:** Prepare the IOA LOG and contact BMC Customer Support.

**RSCA5FE** STATUS OF MISSION *misName* ODATE=*misoDate* TIMESTAMP=*misTime* CANNOT BE RESET (SECURITY VIOLATION)

**Explanation:** Utility CTDRESET cannot reset the status of the mission indicated in the message because of a security violation.

The mission remains in status IN PROCESS.

**Corrective Action:** Perform the following actions:

1. Correct the security rules related to the utility job.
2. Rerun the utility.

**RSCA5QE** STATUS OF MISSION *misName* ODATE=*misoDate* TIMESTAMP=*misTime* CANNOT BE RESET (UPDATE QUEUE OVERFLOW)

**Explanation:** Utility CTDRESET cannot reset the status of the mission indicated in the message overflow because of the update queue in the Active Mission file service.

The mission remains in status IN PROCESS.

**Corrective Action:** Perform the following actions:

1. Rerun the utility.
2. If the problem recurs, prepare the IOA LOG and contact BMC Customer Support.

**RST messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
Messages RST400 through RST4xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

RST499I SHUT DOWN UPON REQUEST OF MAIN TASK

**Explanation:** This information message indicates that shutdown of the Control-D monitor has been requested.

Shutdown of Control-D internal restore task by request of Control-D main task.

The Control-D monitor shuts down.

**Corrective Action:** No action is required.

RST49AE CONTROL-D JOB LIBRARY FULL. COMPRESS THE JOB LIBRARY AND RERUN THE MISSION

**Explanation:** This information message indicates that a restore mission failed to update a job member in the JOB library of Control-D because the library was full.

The restore mission ends with status NOTOK.

**Corrective Action:** Compress the Control-D JOB library, and rerun the restore mission.

Messages RST600 through RST6xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

RST676I RESTORE MISSION {STARTED | RESTARTED} WITH TIMESTAMP=misTime

**Explanation:** This information message indicates which restore mission is starting (re-starting), and its time stamp.

In this message, misTime is the identity of the restore mission that is starting (restarting).

**Corrective Action:** No action is required.

RST678I RESTORE MISSION misName TIMESTAMP=misTime ENDED OK

**Explanation:** This information message indicates that the restore mission finished OK.

The variables in this message are:

- misName - the name of the restore mission
- misTime - the time stamp of the restore mission

**Corrective Action:** No action is required.
RST679E RESTORE MISSION *misName* TIMESTAMP=*misTime* ENDED NOT OK

**Explanation:** The restore mission finished NOTOK.

The variables in this message are:
- *misName* - the name of the restore mission
- *misTime* - the time stamp of the restore mission

**Corrective Action:** No action is required.

RST67BI RESTORE *jobId* SUBMITTED WITH TIMESTAMP=*misTime*

**Explanation:** This information message indicates that the restore job generated by the restore mission was submitted for execution.

In this message:
- *jobId* - the system identifier of the submitted job.
- *misTime* - the identity of the restore mission. It is copied to the generated job.

**Corrective Action:** No action is required.

RST67CI RESTORE JOB PLACED IN CONTROL-D JOB LIBRARY WITH TIMESTAMP=*misTime*

**Explanation:** This information message indicates that the restore job generated by the restore mission was placed to the Control-D JOB library.

In this message, *misTime* is the identity of the restore mission. It is copied to the generated job.

**Corrective Action:** No action is required.

RST67DI *misName*jobname/recipient REPORT ID=recordId PICKED UP FOR RESTORE. TIMESTAMP=*misTime* NAME=report

**Explanation:** This information message indicates that report requested to be restored is picked up by the *misName* restore mission.

The variables in this message are:
- *misName* - the name of the mission
- *jobname* - the name of the job that created the report
- *recipient* - the user for whom the report was created
- *recordId* - the internal database identifier of the report
- *misTime* - the time stamp of the mission
- *report* - the name of the report

**Corrective Action:** No action is required.
RST680E THERE ARE NO RESTORE REQUESTS FOR MISSION misName (TIMESTAMP=misTime)

**Explanation:** The started restore mission did not find any report assigned to it.

The variables in this message are:

- **misName** - the name of the restore mission
- **misTime** - the time stamp of the restore mission

The restore mission ends NOTOK.

**Corrective Action:** No action is required.

RST681E RC=rc FROM CTDX011.MISSION misName TIMESTAMP=misTime TERMINATED

**Explanation:** This error message indicates that user’s Exit program CTDX011 passed back the rc return code to Control-D, which prevents the restore mission from continuing execution.

The variables in this message are:

- **misName** - the name of the restore mission
- **misTime** - the time stamp of the restore mission

The restore mission ends NOTOK.

**Corrective Action:** Call your INCONTROL Administrator.

RST682E RC=rc FROM CTMMEM. MISSION misName TIMESTAMP=misTime TERMINATED

**Explanation:** An error preventing a restore mission from continuing execution occurred during the process of Control-D SKL or JOB library.

In this message:

- **rc** - the return code passed back from the program that was processing the library
- **misName** - the name of the restore mission
- **misTime** - the time stamp of the restore mission

The restore mission ends NOTOK.

**Corrective Action:** Call your INCONTROL Administrator.

RST683E RC=rc FROM CTMCND. MISSION misName TIMESTAMP=misTime TERMINATED

**Explanation:** An error preventing a restore mission from continuing execution occurred during the process of the condition coded in the restore job skeleton.

In this message:
- rc - the return code passed back from the program that was processing the condition
- misName - the name of the restore mission
- misTime - the time stamp of the restore mission

The restore mission ends NOTOK.

**Corrective Action:** Call your INCONTROL Administrator.

RST684E SKELETON sklName NOT FOUND. MISSION misName TIMESTAMP=misTime STOPPED

**Explanation:** The sklName restore job skeleton required by the executing restore mission was not found in the Control-D SKL library.

In this message:
- sklName - the name of the restore job skeleton
- misName - the name of the restore mission
- misTime - the time stamp of the restore mission

The restore mission ends NOTOK.

**Corrective Action:** Call your INCONTROL Administrator.

RST688I RESTORE TASK STARTED.

**Explanation:** This information message indicates that Control-D internal restore task has started.

Normal message when a restore task is started.

**Corrective Action:** No action is required.

Messages RSTI00 through RSTIxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

RSTI01S pgm UNABLE TO OPEN FILE ddName

**Explanation:** The pgm program is unable to open the file referenced by the specified DD name.

The ddName file may be missing. This message is accompanied by a system message explaining the cause of the problem.

The program terminates.

**Corrective Action:** Supply the required DD name if it is missing. Otherwise, see the accompanying system message and take appropriate action.

RSTI02S pgm UNABLE TO LOAD modName

**Explanation:** The specified program is unable to load the modName module.
The `modName` module is probably missing from the IOA Load library. The program is terminated.

**Corrective Action:** Prepare the Control-M monitor full output and contact BMC Customer Support.

**RSTI03I** AJF/CONDITIONS JOURNAL INITIALIZED: BLOCKSIZE `num`

**Explanation:** This information message indicates that the Control-M Journal file was successfully initialized during New Day processing.

The first record of the Journal file contains information relevant to the Control-M current working day.

In this message, `num` is the blocksize of the Journal file.

**Corrective Action:** No action is required.

**Messages RSTM00 through RSTMxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**RSTM01W** AJF/CONDITIONS JOURNALING TERMINATED - RESTORATION BEYOND THIS TIME NOT POSSIBLE

**Explanation:** Logging to the journal file was terminated due to a detected error.

This message is preceded by a message indicating the cause of the error.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W, which asks the operator how the monitor should proceed.

**Corrective Action:** Respond to message CTML12W.

**RSTM02I** AJF/CONDITIONS JOURNALING STARTED

**Explanation:** This information message indicates that Control-M started logging updates to the Journal file.

Changes made to the Active Jobs file and to prerequisite conditions in the IOA Conditions file are recorded in the Journal file.

**Corrective Action:** No action is required.

**RSTM03E** `text`

**Explanation:** This message is produced if an abend occurs while Control-M is writing to the Journal file. The Control-M monitor displays data about the abend, meaning the text in this message.

The Control-M monitor terminates the Journaling facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W.

**RSTM04I** AJF/CONDITIONS JOURNALING CLOSED NORMALLY

**Explanation:** This information message indicates that Control-M Journaling ended normally.
The journaling facility was terminated in response to an operator command, or as part of Control-M shutdown.

**Corrective Action:** No action is required.

**RSTM05S** AJF/CONDITIONS JOURNALING INITIALIZATION FAILURE

**Explanation:** The Control-M journaling facility could not be started because the journal file or another file required for journaling could not be opened.

The above message describes the reason for the problem.

The Control-M monitor terminates the journaling facility and displays WTOR message CTML12W, which asks the operator whether to continue without journaling or shut down the Control-M monitor.

**Corrective Action:** Respond to message CTML12W.

**RSTM06S** JOURNAL FILE RECORD 0 FORMAT ERROR

**Explanation:** The record length of the Control-M journal file was incorrect.

This message is preceded by a message describing the specific cause of the problem.

The Control-M monitor terminates the journaling facility and displays WTOR message CTML12W, which asks the operator whether to continue without journaling or to shut down the Control-M monitor.

**Corrective Action:** Respond to message CTML12W.

**RSTM07S** JOURNAL/AJF MISMATCH: FIELD=fieldname

**Explanation:** The Control-M journaling facility could not be started because the specified journal file does not match the Active Jobs file used by the Control-M monitor.

In this message, fieldname is the name of the field in the Active Jobs file which does not match the corresponding field in the journal file.

The Control-M monitor terminates the journaling facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W.

**RSTM08S** GETMAIN FAILURE IN PROGRAM CTRRMSTM

**Explanation:** Sufficient storage could not be obtained for journal file processing.

The Control-M monitor terminates the journaling facility and displays WTOR message CTML12W. CTML12W asks the operator to either continue without journaling or shut down the Control-M monitor.

**Corrective Action:** Respond to message CTML12W.

**RSTM09S** BUFFER OVERFLOW ERROR

**Explanation:** An internal error was detected during journal file processing.

The Control-M monitor terminates the journaling facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W. Prepare the Control-M monitor full output and contact BMC Customer Support.
INCONTROL for z/OS Messages Manual

**RSTM10S LUW RECORD GENERATION ERROR**

**Explanation:** A error occurred while writing the LUW syncpoint record to the Journal file.

The LUW syncpoint record is the last synchronization point in the Journal file and verifies the completion of all records previously recorded in the Journal file. Without the LUW syncpoint record, records in the Journal file cannot be verified as complete.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W.

**RSTM12E JOURNAL FILE DCB ABEND EXIT INVOKED: SYSTEM CC=SYS', RC=rc**

**Explanation:** An abend occurred while writing to the Journal file.

sys and rc are the system codes and return codes which describe the abend.

The Control-M monitor terminates the Journal facility and displays WTOR message CTML12W.

**Corrective Action:** Respond to message CTML12W.

**RSTM15I AJF/CONDITIONS JOURNALING ACTIVITY SUSPENDED**

**Explanation:** This information message indicates that journaling has been suspended due to New Day processing.

During New Day processing, Control-M always suspends writing to the Journal file.

Journaling is automatically resumed after completion of New Day processing.

**Corrective Action:** No action is required.

**RSTM16I AJF/CONDITIONS JOURNALING ACTIVITY RESTORED**

**Explanation:** This information message indicates that Control-M resumed writing to the Journal file after completing New Day processing.

**Corrective Action:** No action is required.

**RSTM17S AJF/CONDITIONS JOURNAL SEARCH FAILURE**

**Explanation:** An error was encountered during a search of the Control-M Journal file.

During Control-M monitor startup, the journal file is searched for data that may have been added to the Active Jobs File while the Control-M monitor was down.

The Control-M monitor stops journaling and displays WTOR message CTML12W.

**Corrective Action:** Reply to message CTML12W, which follows.

**Messages RSTU00 through RSTUxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
RSTU01I AJF/CONDITIONS RESTORATION STARTED

**Explanation:** This information message indicates that the CTMRSTR restoration utility has begun processing.

**Corrective Action:** No action is required.

RSTU02I AJF/CONDITIONS RESTORATION ENDED

**Explanation:** This information message indicates that the CTMRSTR restoration utility has completed processing.

**Corrective Action:** No action is required.

RSTU03S AJF/CONDITIONS RESTORATION NOT ENABLED

**Explanation:** Journaling was not activated because JRNL is set to N in the CTMPARM member in the IOA PARM library. In such a case, the Control-M monitor does not record events in the journal file. Consequently, restoration of the Active Jobs File from the journal file is not possible.

The restoration utility terminates processing.

**Corrective Action:** To use the restoration utility, the Control-M monitor must be run with the JRNL parameter set to Y in CTMPARM.

RSTU05E INVALID RESTORATION PARAMETER - *parm*

**Explanation:** An unrecognized parameter was specified for the CTMRSTR utility.

The CTMRSTR utility terminates.

**Corrective Action:** Correct the specified parameter and rerun the CTMRSTR utility.

RSTU06E INVALID FORMAT OF ENDTIME PARAMETER. "YYYYMMDDHHMMSSSTH" EXPECTED

**Explanation:** An invalid format was used for the value specified for the ENDTIME parameter in the CTMRSTR utility.

The ENDTIME parameter indicates when to restore the Control-M Active Jobs file and/or the IOA Conditions file.

The CTMRSTR utility terminates.

**Corrective Action:** Correct the value for the ENDTIME parameter and rerun the CTMRSTR utility.

RSTU07S MULTIPLE SPECIFICATION OF INPUT PARAMETER NOT ALLOWED

**Explanation:** A parameter was specified more than once for a run of the CTMRSTR utility. Each parameter for this utility can be specified only once for each run of the utility.

The CTMRSTR utility terminates.

**Corrective Action:** Correct the parameters for the CTMRSTR utility and rerun the utility.
RSTU08S NO PARAMETER INPUT DATA FOUND

**Explanation:** No input parameters were specified for the CTMRSTR utility. The CTMRSTR utility terminates.

**Corrective Action:** Specify the necessary parameters following the SYSIN DD statement and rerun the utility.

RSTU09S REQUIRED STORAGE NOT AVAILABLE

**Explanation:** Insufficient storage is available for the CTMRSTR utility. The CTMRSTR utility terminates.

**Corrective Action:** Increase the region size and rerun the utility.

RSTU10W END OF FILE REACHED PRIOR TO SYNCPOINT - LAST ENTRIES IGNORED

**Explanation:** The last record in the Journal file was not a syncpoint record.

Syncpoint records are used to verify all records added to the Journal file. Only data records written to the Journal file prior to a syncpoint record are considered valid for restoration. The last syncpoint record is missing (due to an MVS system crash, cancellation of the Control-M monitor, or the like). Records written after the last syncpoint record are not restored.

**Corrective Action:** No action is required.

RSTU11I RESTORATION PROCESSING TERMINATED

**Explanation:** This information message indicates that the CTMRSTR utility ended due to an error. This message follows error messages that describe the error that caused the utility to terminate.

**Corrective Action:** Consult previous error messages, correct the error if possible, and rerun the restoration job. If CTMRSTR terminated due to a severe error (as indicated by message RSTU12E above), contact BMC Software Customer Support.

RSTU12E SEVERE PROCESSING ERROR - REASON rsn

**Explanation:** The CTMRSTR utility terminated due to an internal error. In this message, rsn is the code that indicates the reason for the error.

**Corrective Action:** Rerun the CTMRSTR utility with DEBUG set to (73:74) as specified in the restoration procedure. Contact BMC Software Customer Support. Provide the IOA representative with the message, the reason code, and any data produced by the rerun procedure.

RSTU13I RESTORATION PROCESSING COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTMRSTR utility completed the restoration successfully. Restoration of the Active Jobs file and/or the IOA Conditions file was successful.

**Corrective Action:** No action is required.
RSTU14W END OF JOURNAL FILE REACHED BEFORE SPECIFIED TIME LIMIT

Explanation: The ENDTIME parameter for the CTMRSTR utility specified a value that was older than the last value found in the journal file.

The CTMRSTR utility processes all records in the journal file and execution proceeds normally.

Corrective Action: No action is required.

RSTU15E JOURNAL FILE - AJF MISMATCH: fldname

Explanation: The journal used by the CTMRSTR restoration procedure does not match the Active Jobs file used by the Control-M monitor to produce journal records.

In this message, fldname is the field name in the Active Jobs file that did not match the corresponding field in the journal file.

The CTMRSTR utility terminates.

Corrective Action: Specify the correct Active Jobs file procedure for the CTMRSTR utility and rerun the utility.

RSTU16E JOURNAL FILE - CTMPARM MISMATCH: fldname

Explanation: The journal file used by the CTMRSTR restoration utility is not compatible with one of the following parameters specified in the CTMPARM member in the IOA PARM library:

- QNAME
- the IOA version
- the Active Jobs file (AJF) size

In this message, fldname identifies the problematic parameter.

The CTMRSTR utility terminates.

Corrective Action: Specify the correct CTMPARM parameters for the CTMRSTR utility and rerun the utility.

RSTU17E ENDTIME PARAMETER VALUE INCONSISTENT WITH RESTORATION FILE TIMESTAMP

Explanation: The ENDTIME parameter specified a value earlier than the earliest timestamp in the journal file.

The CTMRSTR utility terminates.

Corrective Action: Specify a value for the ENDTIME parameter which is consistent with the data in the journal file. This value must be later than the most recent New Day processing.

RSTU18I JOURNAL FILE VERIFICATION COMPLETE

Explanation: This information message indicates that the specified journal file corresponds to the Active Jobs file defined in the CTMRSTR restoration procedure.

The restoration process begins.
Corrective Action: No action is required.

RSTU20E CONDITION RESTORATION ERROR: RC=rc REASON=rsn
Explanation: The CTMRSTR restoration utility encountered an error while attempting to restore a prerequisite condition.
The error is described in the sysout referenced by the DAPRINT DD statement.
The CTMRSTR utility terminates.
Corrective Action: The message in file DAPRINT describes the cause of the error. If the problem cannot be fixed, notify BMC Software Customer Support.

RSTU21E CONTROL-M MONITOR IS ACTIVE
Explanation: The CTMRSTR utility could not run because the Control-M monitor was active.
The CTMRSTR restoration utility terminates.
Corrective Action: Shut down the Control-M monitor and rerun the restoration utility.

RSTU22W AJF/CONDITIONS RESTORATION UTILITY WAITING FOR ACTIVE JOBS FILE
Explanation: The restore utility could not access the Active Jobs File because it was being used by another job.
The restoration utility waits until the file is accessible.
Corrective Action: No action is required.

RSTU23E CONTROL-M APPLICATION SERVER GATEWAY IS ACTIVE
Explanation: The restoration utility terminated processing because Control-M Application Server Gateway is active.
Corrective Action: Shut down the Control-M Application Server Gateway and rerun the restoration utility.

RUN messages
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Rerat products.

Messages RUN100 through RUN1xx
This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Rerat products.
RUN1001 CONTROL-M MONITOR monName STARTED

**Explanation:** This information message is a general message issued when the identified Control-M monitor (monName) is started.

**Corrective Action:** No action is required.

RUN1011 NEWCONLIST COMMAND ACCEPTED. SUB SYSTEM(S) WILL BE NOTIFIED

**Explanation:** This information message appears after the operator issued a NEWCONLIST modify command to Control-M.

The Control-M monitor will notify all the console subsystems on all the computers of the required change.

**Corrective Action:** No action is required.

RUN102E CONTROL-M MONITOR NOT APF-AUTHORIZED

**Explanation:** The Control-M monitor is not APF-authorized. The CTMRUN module is not in an APF-authorized library, or not with attribute AC set to 1.

The Control-M monitor terminates with a return code of 8.

**Corrective Action:** Add the library name in which CTMRUN resides to the IEAAPF00 member in SYS1.PARMLIB.

RUN103E INVALID MODIFY PARAMETER. VALID PARAMETERS ARE:

**Explanation:** An erroneous parameter was passed to Control-M monitor by an operator modify command (F). A list of valid modify parameters is displayed on the console after this message.

The modify command is rejected.

**Corrective Action:** Enter a correct modify parameter.

RUN104S BLDL/ATTACH CTMMRUN FAILED FOR TASK taskName

**Explanation:** Initialization of the identified Control-M monitor internal task (taskName) failed.

Possible causes are:

- The taskName task is not found in the IOA Load library.
- There is insufficient memory for the Control-M monitor.

The exact reason (system code) can be found on the computer log.

Control-M monitor shuts down.

**Corrective Action:** Call your system programmer for assistance. If necessary, increase the Control-M monitor REGION size.

RUN105S UNRECOVERABLE ERROR ENCOUNTERED

**Explanation:** Unrecoverable error in the operation of the Control-M monitor.

The IOA Log should contain a previous message concerning the error.
The Control-M monitor will shut down with user abend 0006 or end with a return code of 8.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

**RUN106S SUBTASK subtaskName HAS ABENDED**

**Explanation:** The Control-M monitor internal subtask `subtaskName` has abended.

Control-M monitor will shut down with user abend 0006. A dump of the abending task will be included in the output.

This message may be followed by the RUN114E message, which provides more information on the cause of the error.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, prepare the Control-M monitor full output and contact BMC Customer Support.

**RUN107I SHUT DOWN UPON REQUEST FROM OPERATOR**

**Explanation:** This information message is the Control-M monitor shut down message upon request from the operator.

Control-M monitor shuts down.

**Corrective Action:** No action is required.

**RUN108S INITIALIZATION ROUTINE FAILED. RC= rc**

**Explanation:** Highlighted, unrollable message.

Error encountered when initializing the Control-M monitor.

The exact cause of the error is indicated by the return code (`rc`).

The Control-M monitor shuts down.

**Corrective Action:** If the return code (rc) is 4, verify that the JES subsystem name as defined in IEFSSNxx is either JES2 or JES3, and that the JESTYPS parameter in the IOAPARM member is either JES2 or JES3.

If the return code is 8, certain load modules are missing from the IOA LOAD library. Restore the original LOAD library.

If the return code is 24, the IOAEST table (the dynamic destination table for group Shout messages) is missing from the IOA PARM library.

**RUN109I THE NUMBER OF INTERVALS TO WAIT FOR THE CONTROL-M DAILY IS SET TO numberIntervals**

**Explanation:** This information message indicates that after a Control-M monitor issues message CTM113I, it is waiting for the displayed number of Control-M sleeping intervals for the New Day procedure to start executing. If the New Day procedure does not start executing, message CTML03W is issued, followed by message CTML06W.

**Corrective Action:** No action is required.
RUN111I JOURNAL COMMAND ACCEPTED: cmd

**Explanation:** This information message indicates that a JOURNAL=ENABLE or JOURNAL=DISABLE modify command was accepted. The command is echoed in the message as `cmd`.

**Corrective Action:** No action is required.

RUN112I fileName SUPPORT NOT ACTIVATED

**Explanation:** This information message indicates that History/Journal support is not set to Y in the CTMPARM member.

This message is generated in response to a HISTALOC/JOURNAL=ENABLE or HISTALOC/JOURNAL=DISABLE modify command. This command could not be processed because History/Journaling is not enabled.

**Corrective Action:** Set HIST/JRNL to Y in the CTMPARM member.

RUN113I CONTROL-M MONITOR monName NEW DAY PROCEDURE STARTED

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-M monitor has begun performing a number of housekeeping tasks prior to submitting the New Day procedure.

Control-M suspends processing at the time specified in CTMPARM to allow the New Day procedure to run. The Control-M monitor remains suspended until the New Day procedure is successfully completed. At the successful completion of the New Day procedure, the monitor resumes normal execution.

**Corrective Action:** No action is required.

RUN114E JOB HANDLED AT TIME OF ABEND: ID=id MEMBER=memName USER-ID=userId

**Explanation:** A subtask abended.

As a result of the subtask abend, message RUN106S is issued. This message follows RUN106S with additional information. The ID, member name and user ID displayed in the message are from the Master Index file (MIT) that was handled by the subtask when it abended.

This message may be followed by the RUN123E message.

**Corrective Action:** No action is required.

RUN116S OPEN OF ACTIVE JOBS FILE FAILED - DDNAME "DACKPT"

**Explanation:** Highlighted, unrollable message.

Open of Control-M Active Jobs file failed (the DACKPT DD statement).

Possible causes are:
The DACKPT DD statement is missing.

The data set described by the DACKPT DD statement is not the Control-M Active Jobs file.

The data set described by the DACKPT DD statement is the Control-M Active Jobs file, but of another Control-M monitor, or of a different version of Control-M.

The Control-M monitor will shut down.

Corrective Action: Correct the JCL for the Control-M monitor.

RUN117S ACTIVE JOBS FILE IS BEING FORMATTED NOW

Explanation: Highlighted, unrollable message.

The Control-M monitor was started while the Active Jobs file was being formatted.

The Control-M New Day procedure did not finish formatting the file, either because it (the New Day procedure) is still working, or because it abended. The Control-M monitor cannot be started until the New Day procedure finishes executing successfully.

The Control-M monitor shuts down.

Corrective Action: Check how the New Day procedure finished executing. All the problems of the New Day procedure must be corrected before restarting the Control-M monitor.

However, if an IPL occurred during the previous run of the New Day procedure, it will correct itself when restarted. Therefore, it can be restarted without correction.

If the Control-M New Day procedure is abended, it may be necessary to set all dates in the date control record (the DATREC member in the CTM PARM library) to one day prior to the current day and rerun the New Day procedure. If the procedure ends successfully, you will be able to restart the Control-M monitor.

RUN118S FILE ALLOCATED TO DDNAME "DACKPT" IS NOT THE EXPECTED ACTIVE JOBS FILE

Explanation: Highlighted, unrollable message.

The data set described by the DACKPT DD statement is not the expected Control-M Active Jobs file.

This could be due to one of the following:

- The file allocated to the DACKPT DD statement is not the Control-M Active Jobs file.
- The file allocated to the DACKPT DD statement is the Control-M Active Jobs file, but it is of a different version, or of a different Control-M monitor.

The Control-M monitor will shut down.

Corrective Action: Correct the JCL for the Control-M monitor.

RUN119S ACTIVE JOBS FILE IS DAMAGED - NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

The contents of the Active Jobs file have been corrupted.
The Active Jobs file is marked as FORMAT during New Day processing, and marked as FREE at successful completion. Currently, the file is not marked as FORMAT, nor as FREE.

The Control-M monitor will shut down.

**Corrective Action:** Call your system programmer for assistance. If the problem is not resolved, call your INCONTROL Administrator.

**RUN120I** CONTROL-M MONITOR xxxxxxxx SHUTTING DOWN

**Explanation:** Highlighted, unrollable message.

This information message is a Control-M/D message issued when shutting down the Control-M monitor by a P command, or on certain internal Control-M events.

The IOA Log should contain additional messages concerning the reason for shutting down.

The Control-M monitor shuts down.

**Corrective Action:** No action is required.

**RUN121S** CONTROL-M MONITOR ENDED WITH ERROR

**Explanation:** Highlighted, unrollable message.

The Control-M monitor ended with an error.

The IOA Log should contain additional messages concerning the specific error.

The Control-M monitor will shut down.

**Corrective Action:** Check the IOA Log (or the computer log) for the reason. Call the system programmer for assistance if needed. Try to start the Control-M monitor again as soon as possible.

**RUN122W** YOUR CONTROL-M IS ALREADY ACTIVE. QNAME "qName"

**Explanation:** Highlighted, unrollable message.

Someone has attempted to start a Control-M monitor which is already active. Two Control-M monitors with the same QNAME cannot run at the same time.

The newly-started Control-M monitor will shut down.

**Corrective Action:** No action is required.

**RUN123I** CONTROL-M INTERVAL IS SET TO nn.nn SECONDS

**Explanation:** This information message is a result of setting a Control-M sleeping interval by an operator command. For more details please refer to the INCONTROL for z/OS Administrator Guide.

Control-M monitor wakes up every nn.nn seconds, and checks what to do.

**Corrective Action:** No action is required.

**RUN124E** VALID PARAMETERS FOR KEYWORD keyword ARE: parms

**Explanation:** A MODIFY command containing invalid syntax was entered for the Control-M monitor. The message displays the valid parameters.

**Corrective Action:** Enter one of the parameters displayed in the message.
RUN125I valid_operator_command

**Explanation:** This information message indicates a valid operator command. It is part of the Control-M response to an invalid operator command issued to Control-M.

In response to an invalid command, Control-M issues the RUN103E message, which identifies the error, and a series of RUN125I messages, each containing a valid operator command.

The invalid operator command is ignored.

**Corrective Action:** Issue a valid operator command.

RUN126I NEW EXIT CTMX004 LOADED

**Explanation:** This information message indicates successful execution of the CTMX004 operator modify command.

A new Control-M resource acquisition user exit was loaded.

**Corrective Action:** No action is required.

RUN127I NEWDEST COMMAND ACCEPTED: NEWDEST=tableName

**Explanation:** This information message indicates that a NEWDEST operator command has successfully been passed to the Control-M monitor.

The Control-M monitor replaces the current destination table with the destination table identified in the message (tableName).

**Corrective Action:** No action is required.

RUN128S OPEN OF DUAL ACTIVE JOBS FILE FAILED-DDNAME "DAALTCKP"

**Explanation:** Highlighted, unrollable message.

Open of the Control-M Alternate (dual) Active Jobs file failed (the DAALTCKP DD statement).

Possible causes are:

- The DAALTCKP DD statement is missing.
- The data set described by the DAALTCKP DD statement is not a Control-M Active Jobs file.

This message will be produced only if Control-M is working in dual file mode (selected by setting the DUALDB parameter in the IOAPARM member in the IOA PARM library to Y).

The Control-M monitor shuts down with an error message.

**Corrective Action:** Correct the JCL for the Control-M procedure, and start it again. If you do not wish to run in dual file mode, correct the Control-M Installation Parameters (IOAPARM).

RUN12AE CONTROL-M EXTENDED MCS INITIALIZATION FAILED. RC=rc, MCSOPER RC=mcs_rc REASON=rsn

**Explanation:** Initialization of the extended MCS console component of Control-M failed.

Valid values for the first return code in the message are:
<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Authorization failed</td>
</tr>
<tr>
<td>12</td>
<td>Version of operating system not supported</td>
</tr>
<tr>
<td>16</td>
<td>The second return code (mcs_rc) and the reason code (rsn) from the MCSOPER facility are displayed.</td>
</tr>
<tr>
<td>20</td>
<td>The second return code (mcs_rc) and the reason code (rsn) from the MCSOPER facility are displayed.</td>
</tr>
<tr>
<td>24</td>
<td>Insufficient memory</td>
</tr>
<tr>
<td>32</td>
<td>ENQ for the console already held.</td>
</tr>
</tbody>
</table>

All services relying on an extended MCS console function are inoperable.

**Corrective Action:** Correct the problem according to the return code displayed in the message.

For the meanings of the MCSOPER return and reason codes that are displayed if the first return code is 16 or 20, refer to the MCSOPER macro description in the IBM manual *Application Development Reference - Services for Authorized Assembler Language Programs*.

Once the cause of the problem has been corrected, bring the Control-M monitor down and up again.

**RUN130E SYNTAX ERROR. "QUIESQRES" COMMAND IGNORED**

**Explanation:** The Control-M monitor attempted to evaluate the QUIESQRES command identified in the preceding CTML18I message, but found invalid command syntax.

For a detailed description of the command syntax, see the section on activating and deactivating quiesced quantitative resources in the Control-M chapter of the *INCONTROL for z/OS Administrator Guide*.

The Control-M monitor ignores the command.

**Corrective Action:** Enter another QUIESQRES command using valid syntax.

**RUN131I NO QUIESCE TIME ASSIGNED TO RESOURCE resourceName**

**Explanation:** The following command was given:

```
F CONTROLM,QUIESQRES=resourceName,DISPLAY|NOW|OFF|hhmm
```

with the parameter DISPLAY or OFF. However, no QUIESCE time was assigned to the resourceName resource.

**Corrective Action:** No action is required.

**RUN132I NO QUIESCE TIME ASSIGNED TO ANY RESOURCE**

**Explanation:** The following command was given:

```
F CONTROLM,QUIESQRES=resourceName,DISPLAY|NOW|OFF|hhmm
```
with the parameter DISPLAY or OFF. However, no resource had a QUIESCE time assigned.

**Corrective Action:** No action is required.

RUN133I yyyy-mm-dd hh:mm QUIESCE TIME ASSIGNED TO RESOURCE resourceName

**Explanation:** This information message displays the action of the Control-M monitor in response to the following command:

F CONTROLM,QUIESQRES=resourceName,DISPLAY|NOW|OFF|hh:mm

The date and time assigned in response to this command depend on the setting of the DISPLAY | NOW | OFF parameter, as follows:

- **DISPLAY** - the time that is currently assigned
- **NOW** - the time assigned is the time current at the time the command is processed
- **hh:mm** - the time assigned is the time specified in the command

**Corrective Action:** No action is required.

RUN183E JOB WAS PUT ON HOLD BY THE AUTOMATIC RECOVERY FEATURE

**Explanation:** Highlighted, unrollable message.

A job was put into Held status after a subtask abended.

As a result of the abending of the subtask, the RUN114E message is issued. If the MAXJ BHLD parameter in the CTMPARM member is set to a value greater than zero, this message is issued following the RUN114E message.

The MAXJ BHLD parameter sets the maximum number of jobs that can be put into Held status.

**Corrective Action:** No action is required.

RUN184E MAXIMUM NUMBER REACHED FOR AUTOMATIC RECOVERY FEATURE - DISABLED

**Explanation:** A job was previously put into Held status after a subtask abended. As a result of the abending of the subtask, the RUN114E and RUN183E messages are issued.

This message is issued following the RUN183E message if both the following conditions are satisfied:

- the MAXJ BHLD parameter in the CTMPARM member is set to a value greater than zero
- the number of jobs already put into Held status is equal to the value set in the MAXJ BHLD parameter

The MAXJ BHLD parameter sets the maximum number of jobs that can be put into Held status.

**Corrective Action:** No action is required.
RUN188W \textit{subtaskName} IS PROCESSING JOB \textit{jobName} ORDI D \textit{orderID} FOR MORE THAN \textit{number} MINUTES

**Explanation:** The \textit{subtaskName} subtask has been processing the job for an unreasonable amount of time. The task is most likely hung or in a loop.

Possible causes are:

- If CPU utilization by the Control-M monitor is not unusually high, most probably the subtask is waiting for completion of a system action (for example, recall of migrated data set), or it may point to a problem in \textit{MVS or JES}.
- If CPU utilization by the Control-M monitor is unusually high, it may indicate a loop (in the base code or in a user exit).

The Control-M monitor continues processing as usual. The subtask continues processing of the indicated job.

**Corrective Action:** Review the system log for additional messages related to the problem.

If the reason for the problem is unclear, take the system (SVC) dump of the Control-M monitor's address space using the DUMP console command. Specify parameter SDATA=(CSA,GRSQ,SUM,RGN,TRT).

If the problem is outside Control-M, holding the job being processed and restarting the Control-M monitor may have only temporary effect.

**Messages RUN200 through RUN2xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**RUN284I** DEST TABLE LOAD SUCCESSFUL: NEWDEST=\textit{tableName}

**Explanation:** This information message indicates that as a result of an operator NEWDEST command, the Control-M monitor successfully loaded the destination table identified in the message.

**Corrective Action:** No action is required.

**RUN285E** NEWDEST PARAMETER MISSING OR INVALID

**Explanation:** The destination table passed to the Control-M monitor by means of an operator NEWDEST command is invalid or missing.

The specified destination table is not loaded.

**Corrective Action:** Enter the NEWDEST command specifying a destination table which has been previously defined in a library concatenated to the STEPLIB DD statement of the Control-M procedure.

**Messages RUNL00 through RUNLxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
RUNL00I CONTROL-M MONITOR monName PROCESSING SUSPENDED

**Explanation:** This information message indicates that the Control-M monitor has stopped processing jobs temporarily to allow the New Day procedure to begin execution.

Control-M suspends processing at the time specified in CTMPARM to allow the New Day procedure to run. The Control-M monitor remains suspended until the New Day procedure ends. At the successful completion of the New Day procedure, the monitor resumes normal execution.

**Corrective Action:** No action is required.

RUNL01I CONTROL-M MONITOR monName PROCESSING RESUMED

**Explanation:** In general, this message indicates that the Control-M monitor resumed processing jobs after the New Day procedure completed successfully. However, under the Control-M monitor operator command `F CTMTROLM,NEWDAY=NOW,ORDERONLY`, this message can appear before the Newday procedure ends.

**Corrective Action:** No action is required.

RUNL02I CONTROL-M MONITOR monName NEW DAY PROCESSING COMPLETE

**Explanation:** This message indicates that all phases of New Day Processing for the specified monitor ended successfully. However, under the Control-M monitor operator command `F CTMTROLM,NEWDAY=NOW,ORDERONLY`, this message can appear before the Newday procedure ends.

The Control-M monitor resumes execution.

**Corrective Action:** No action is required.

RUNL03W NEW DAY PROCEDURE NOT DETECTED

**Explanation:** Highlighted, unrollable message.

The Control-M monitor received no indication that the New Day procedure began processing. The Control-M monitor requests the start of the New Day procedure, and periodically checks the progress of the procedure. This message is issued when the monitor does not receive any indication that the New Day procedure started executing.

The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** No action is required.

RUNL04W NEW DAY END OF AJF FORMATTING NOT DETECTED

**Explanation:** Highlighted, unrollable message.

The Control-M monitor detected that the formatting of the Active Jobs file (AJF) did not complete successfully within a specified time interval.

The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** No action is required.
RUNL05W NEW DAY PROCEDURE ERROR - PHASE phase number

**Explanation:** *Highlighted, unrollable message.*

During follow-up of the New Day procedure, the Control-M monitor detected an abnormal condition. The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** Reply R for retry. If the message is reissued, note the phase number and reply E to terminate the monitor. To reactivate the monitor, run the Control-M New Day procedure, and when it completes successfully, restart the monitor. Give BMC Customer Support the phase number specified in this message and the Control-M monitor full output.

RUNL06W REPLY "R" FOR RETRY OR "E" FOR END

**Explanation:** *Highlighted, unrollable message.*

While checking the progress of the New Day procedure execution, the Control-M monitor detected an error.

This message is accompanied by a message explaining the cause of the problem.

The Control-M monitor waits for a reply to this message.

**Corrective Action:** Type R or E and press **Enter**, with the following results:
- R - the Control-M monitor waits an additional interval. Issue this reply after all problems with the New Day procedure are resolved so that the monitor will resume normal execution.
- E - the Control-M monitor stops execution

RUNL07W CONTROL-M MONITOR monName WAITING FOR NEW DAY PROCEDURE

**Explanation:** Normal message of Control-M monitor when it stops processing jobs temporarily to allow the New Day procedure to begin execution.

Control-M suspends processing at the time specified in CTMPARM to allow the New Day procedure to run. The Control-M monitor remains suspended until the New Day procedure is successfully completed. Upon successful completion of the New Day procedure, the monitor resumes normal execution.

**Corrective Action:** No action is required.

RUNL08W END OF NEW DAY PROCEDURE NOT DETECTED

**Explanation:** *Highlighted, unrollable message.*

Control-M monitor found no indication that New Day procedure completed execution. The Control-M monitor issues message CTML06W or RUNL06W to ask the operator how to proceed.

**Corrective Action:** No action is required.

RUNL09E DUAL FILES ALLOCATION ERROR. PROCESSING CONTINUES DUE TO SYSTEM PARAMETERS

**Explanation:** *Highlighted, unrollable message.*
Allocation of the dual IOA Conditions file or the dual Active Jobs file (AJF) failed, but processing continues because system parameters have indicated that this condition should be ignored.

Wish WM1944 in the IOADFLTS member of the DOC library was activated to allow an allocation error for dual files to be ignored. (If the wish has not been applied when an allocation error occurs, Control-M terminates execution.)

The Control-M monitor continues normal execution.

**Corrective Action:** If you require dual file processing, do the following:

1. Bring down the Control-M monitor.
2. Determine the cause of the allocation error and correct it.
3. Bring up and reactivate the Control-M monitor.

**RUNL0AI**

**NEWDAY PARAMETERS SET:** `expression`

**Explanation:** This message is issued in response to the following operator command:

`F CONTROLM,NEWDAY=expression`

Special NEWDAY processing is performed as specified in `expression`. For more information, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

**Corrective Action:** No response required.

**RUNL0BI**

**NEWDAY PROCESS SCHEDULED FOR hh:mm WILL BE BYPASSED**

**Explanation:** In response to the `F CONTROLM,NEWDAY=SKIP` operator command, Newday processing is skipped.

NEWDAY processing normally scheduled to begin at `hh:mm` is bypassed due to the special NEWDAY command. For more information regarding the special NEWDAY commands, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

**Corrective Action:** No response required.

**RUNL0CI**

**NEWDAY PROCESS HAS BEEN BYPASSED**

**Explanation:** This informational message is issued at the time scheduled for Newday processing (according to the DAYTIME parameter in CTMPARM). Newday processing is skipped as a result of one of the following commands:

- `F CONTROLM,NEWDAY=SKIP`
- `S CONTROLM,NEWDAY=SKIP`

Newday processing is skipped. For more information regarding the special NEWDAY commands, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

**Corrective Action:** No response required.
RUNL0DE NEWDAY COMMAND NOT 'SKIP' - IGNORED

**Explanation:** The `S CONTROLM,NEWDAY= expression` command was entered with an invalid value of `expression`. In this command, the only valid value for `expression` is `SKIP`. For more information, see the *INCONTROL for z/OS Administrator Guide*, “CTM,” “Special Newday Parameters.”

The command is ignored.

**Corrective Action:** Correct and re-enter the NEWDAY command.

RUNL10I RESUME REQUEST ACCEPTED

**Explanation:** This information message indicates that the RESUME request submitted by the user has been accepted.

**Corrective Action:** No action is required.

RUNL11W AJF/CONDITION JOURNALING DISABLED

**Explanation:** The Control-M monitor stopped journaling updates to the Active Jobs file due to a detected error.

The error which caused journaling to be terminated is described in earlier messages.

WTOR message RUNL12W is displayed, enabling the user to continue without the Journal facility or to shut down the Control-M monitor.

**Corrective Action:** Respond to message CTML12W.

RUNL12W REPLY ‘C’ CONTINUE WITHOUT JOURNALING, ‘I’ INITIALIZE, OR ‘E’ END

**Explanation:** This WTOR message is displayed when the Control-M Journaling facility is shut down.

This message may be preceded by messages explaining the reason for Journaling facility shutdown. This message also appears after running the restoration utility successfully to provide an opportunity to reset the journal file. The user can run the restoration utility repeatedly (perhaps to different end times) before initializing the journal file.

Responses to this WTOR message allow the user to continue Control-M without journaling, or to shut down Control-M so that a problem can be fixed.

The Control-M monitor waits for a reply to this message.

**Corrective Action:** See preceding messages for information describing why journaling was stopped.

Specify one of the following values as a response to this message:
C - Continue normal execution without updating the Journal file. Restoration of the Active Jobs file will not include updates made after Journaling was stopped.

I - Re-initialize the journal file. The Control-M monitor continues normal processing, including journaling.

E - Stop execution of the Control-M monitor.

**RUNL13I** CONTROL-M MONITOR CONTINUING WITHOUT JOURNALING

**Explanation:** This information message is issued when the user specified C in response to WTOR message CTML12W.

The Control-M monitor continues normal execution. The Journal file is no longer updated.

**Corrective Action:** No action is required.

**RUNL16E** COMMAND IGNORED - CURRENT fileName STATUS: fileStatus

**Explanation:** The user attempted to enable/disable the Control-M Journal or History allocation for space reuse functions. However, the current fileStatus status of this facility already complies with the user request.

The command is ignored.

**Corrective Action:** No action is required.

**RUNL17I** CURRENT ACTIVE JOBS FILE UTILIZATION: nn%

**Explanation:** This information message is issued in conjunction with message CTM863W, which indicates that the Active Jobs file (AJF) is nearly full. Both messages are issued when the threshold value specified by the AJFTHRSH CTMPARM parameter is reached.

**Corrective Action:** Increase the size of the AJF using the CTMCJF utility.

**RUNL18I** COMMAND RECEIVED: cmd RUNL18I

**Explanation:** This information message displays the MODIFY command (cmd) entered for the Control-M monitor.

**Corrective Action:** No action is required

**RUNL19I** QUIESTIME IS SET: yyyy

**Explanation:** This information message displays the current value of QUIESTIME (the Control-M monitor planned shutdown time), where yyyy is one of the following values:

- hhmm - the planned shutdown time set by the QUIESTIME command
- NOW - the submission of any job has been stopped
- OFF - all QUIESTIME requests have been cancelled

This message is added to the System Log.

**Corrective Action:** No action is required.
SAR (CA-View) messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages SARM00 through SARMxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**SARM40E {CA-View | CA-DISPATCH} CONVERSION - TAPE I/O ERROR text**
(78 chars max)

**Explanation:** An I/O error occurred while the report was being read from the archive tape.

Creation of the CDAM report file is halted.

**Corrective Action:** Analyze the message to determine the reasons for the I/O error. If possible, use external means for recovery. If recovery is completed successfully, run the restore job again.

**SARM41E {CA-View | CA-DISPATCH} CONVERSION - REPORT NOT FOUND reportName, JOB: jobName (job_num), DATE: date, TIME: time**

**Explanation:** The requested report could not be located in the tape.

The CA-VIEW (SAR) archive directory indicates that the report resides on a specific tape, but the report could not be located on that tape.

The request for the report is denied.

**Corrective Action:** Investigate the CA-VIEW (SAR) archive for potential corruption, or locate the report on other tapes.

**SARM42E {CA-View | CA-DISPATCH} CONVERSION - COULD NOT OPEN TAPE WITH FILE dsn**

**Explanation:** The report restore program could not open the tape that hold the archive reports.

The CA-VIEW (SAR) archive directory indicates that the report resides on a specific tape, but the report could not be located on that tape.

The request to restore the report is denied.

**Corrective Action:** Investigate the CA-VIEW (SAR) archive for potential corruption, verify that the tape is not damaged, or locate the report on other tapes.

**SARM43E {CA-View | CA-DISPATCH} CONVERSION - COULD NOT CREATE CDAM DATASET**

**Explanation:** The restore report could not be written to the CDAM subsystem.

An error occurred while the report was being restored to a CDAM file.
The request to restore the report is terminated.

**Corrective Action:** Check the CDAM subsystem and its allocation parameters to ensure that the CDAM subsystem can accept new files.

**SARM44E \{CA-View | CA-DISPATCH\} CONVERSION - CDAM FILE \textit{dsn} CREATED**

**Explanation:** This information message indicates that a CDAM file was successfully created to satisfy the restore request.

The restored report is ready for insertion in the Active User Reports file.

**Note:** Although the message code ends with E, this message does not indicate that an error occurred.

**Corrective Action:** No action is required.

**SARM45E INFOPAC CONVERSION - REPORT NOT FOUND \textit{reportName}, FILE: \textit{dsn}**

**Explanation:** The report that was requested cannot be located on the tape.

The RESTORE request for the report is rejected.

**Corrective Action:** Do the following:
1. Check if the correct INFOPAC archive volume was mounted.
2. If the correct tape was mounted, examine the tape for possible corruption.

**SCD messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages SCD200 through SCD2xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**SCD201I CONTROL-D SCHEDULER STARTED**

**Explanation:** This information message indicates that the Control-D monitor internal scheduler task started.

Normal message when Control-D monitor is started.

**Corrective Action:** No action is required.

**SCD202S INSUFFICIENT MEMORY FOR CONTROL-D MONITOR**

**Explanation:** Insufficient memory for the initiation of Control-D monitor.
Control-D monitor will shut down.

**Corrective Action:** Increase the Control-D monitor region size.

**SCD203I** ELIGIBLE FOR PROCESSING

**Explanation:** This information message indicates that the mission has been given permission to run.

All the runtime conditions for mission execution have been met, and all the resources have been acquired for the mission. The mission will soon be executed by Control-D.

**Corrective Action:** No action is required.

**SCD204E** OUTPUT CONDITION condname_date NOT ADDED/DELETED - SECURITY VIOLATION

**Explanation:** User is not authorized to add or delete the condition condname_date to or from the conditions file. The date is in mddd format.

The mission definition contains an OUT statement or a DO COND statement (or both) for the referenced condition. The condition was not added or deleted because the user ID of the mission is not authorized to add or delete the condition.

Output condition is not added or deleted, but processing continues.

**Corrective Action:** Consult your INCONTROL administrator.

**SCD208I** PROCESSING ENDED "OK"

**Explanation:** This information message indicates that the mission finished executing OK.

Control-D determined that the mission ended OK because other events were marked OK in the mission’s parameters, and no other event was either unexplained or marked NOTOK.

**Corrective Action:** No action is required.

**SCD218I** RECYCLED FOR POSSIBLE REPROCESSING

**Explanation:** This information message indicates that the cyclic task was recycled for possible execution.

If all runtime conditions are met, the mission will be immediately eligible.

**Corrective Action:** No action is required.

**SCD219I** PROCESSING ENDED "NOT OK"

**Explanation:** This information message indicates that the Control-D monitor determined that the mission ended NOTOK.

The general Control-D message when a mission finishes executing NOTOK. The IOA Log should contain prior messages detailing the reasons.

**Corrective Action:** No action is required.
SCD220I  missionType missionName WILL BE REPROCESSED

Explanation: This information message is issued because a manual request to rerun a mission was accepted.

The mission will be placed in WAIT SCHEDULE state again. If all runtime conditions are met, the mission will be started immediately.

Corrective Action: No action is required.

SCD229S OPEN FAILED FOR DDNAME "DARES"

Explanation: Open of a debugging output file failed (the DARES DD statement).

This is probably because the DARES DD statement is missing in the Control-D procedure.

The Control-D monitor will shut down with error message.

Corrective Action: Correct the JCL for the Control-D monitor procedure and start it again.

SCD230S OPEN FAILED FOR DDNAME "DARESC" OR "DASINC"

Explanation: Open of IOA Conditions file failed (the DARESC or DASINC DD statement).

Possible causes are:

- The DARESC DD statement is missing.
- The DASINC DD statement is missing.
- The data set described by the DARESC DD statement is not the IOA Conditions file.
- The data set described by the DASINC DD statement is not the IOA Conditions synchronization file.
- The data set described by the DARESC DD statement is the IOA Conditions file, but it is of a different version or of a different Control-D monitor.

Control-D monitor shuts down with error message.

Corrective Action: Correct the JCL for the Control-D procedure, and start the procedure again.

SCD231E REP Q23AREP1 MISSION IS NOT PROCESSED BECAUSE OF CONDITION ERROR

Explanation: The mission was not processed because an error which was detected for an IN condition. See the corresponding error message in Screen 5. The status of this condition is unknown and this mission is not processed, but processing continues.

Corrective Action: Consult your INCONTROL administrator.

SCD241W OUTPUT CONDITION cond_date NOT UPDATED - NO MORE SPACE. NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

No more space to add output conditions to the conditions file. The date is in mmdd format.
The record for that specific day of the month is full. For example, if a condition with date reference of January 3rd cannot be added, an entry in the Conditions file that contains conditions for January 3rd, February 3rd, March 3rd, and so on, is full.

The condition is not added, and a highlighted message is displayed on the operator console. Control-D continues to function, but missions that depend on the condition are not submitted.

**Corrective Action:** Immediate action:

- Enter Control-D Online Facility Resource Map (screen 4). By changing the date range limit, look for conditions with the same day (but of a different month) as the condition that could not be added, and delete them manually - providing that they are not needed.
- Add the failing condition manually in order to maintain production flow.
- Report the event to your system programmer.

Long term action:

1. You should run the IOACLCOND Control-M utility more often.
2. You may want to increase the record length of the IOA Conditions file. For more information on how to do this, see the section on expanding IOA files in the INCONTROL for z/OS Administrator Guide.

**SCD249I SHUT DOWN UPON REQUEST OF MAIN TASK**

**Explanation:** This information message announces the shutdown of the Control-D monitor.

Shutdown of Control-D internal selector task by request of Control-D main task.

The Control-D monitor will shut down.

**Corrective Action:** No action is required.

**Messages SCDA00 through SCDAxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**SCDA95E VALUE OF CNDREC# PARAMETER IN IOAPARM IS NOT EQUAL TO ACTUAL FILE SIZE**

**Explanation:** The CNDREC# parameter in IOAPARM has been changed but the IOA Conditions file has not been rebuilt.

A difference was detected between the length of the IOA Conditions file and the length specified in the IOAPARM member of the PARM library.

This is usually due to using the IOAPARM member (read from the IOA Load library) for the wrong monitor.

The monitor shuts down.

**Corrective Action:** To correct this situation, do one of the following:
Rebuild the IOA Conditions file, so that its length is as specified in IOAPARM.

Modify the CNDREC# parameter in IOAPARM so that its length is the length of the existing IOA Conditions file.

After correcting the problem, restart the monitor.

SEL messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages SEL100 through SEL1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

SEL15CI memName... THE MEMBER HAS BEEN COPIED INTO OVERLIB lib

Explanation: The memName member has been copied from the MEMLIB library into the OVERLIB library, because the COPMEM20 installation parameter was set to Y.

Corrective Action: No action is required.

SEL15CW memName... THE MEMBER HAS NOT BEEN COPIED INTO OVERLIB. REASON: rc-rsn. LIBRARY: lib

Explanation: Although the COPMEM20 Control-M installation parameter was set to Y, Control-M failed to copy the memName member into the OVERLIB library.

The variables in this message are:

- memName - the name of the member that was not copied
- rc - the return code from the IOAMEM program
- rsn - the reason code from the IOAMEM program
- lib - the name of the OVERLIB library

For explanation of the values of rc and rsn, see the description of the IOAMEM Assembler Macro in the INCONTROL for z/OS Administrator Guide.

Corrective Action: Take corrective action on the basis of the values of rc and rsn.

SEL15DI memName... THE MEMBER HAS BEEN DELETED FROM OVERLIB lib

Explanation: The memName member has been deleted from the lib OVERLIB library, because either the DELOVER or the DELOVRUN Control-M installation parameter was set to Y.

Corrective Action: No action is required.
SEL15DW  *memName*... THE MEMBER HAS NOT BEEN DELETED FROM OVERLIB. REASON: *rc-rsn.* LIBRARY: *lib*

**Explanation:** Although either the DELOVRER or the DELOVRUN Control-M installation parameter was set to Y, Control-M failed to delete the *memName* member from the OVERLIB library.

The variables in this message are:

- *memName* - the name of the member that was not deleted
- *rc* - the return code from the IOAMEM program
- *rsn* - the reason code from the IOAMEM program
- *lib* - the name of the OVERLIB library

For explanation of the values of rc and rsn, see the description of the IOAMEM Assembler Macro in the *INCONTROL for z/OS Administrator Guide*.

**Corrective Action:** Take corrective action on the basis of the values of rc and rsn.

Messages SEL200 through SEL2xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SEL201I** SELECTOR STARTED

**Explanation:** This information message is issued when Control-M is started and indicates that the Control-M monitor internal selector task has started.

**Corrective Action:** No action is required.

**SEL202S** INSUFFICIENT MEMORY FOR CONTROL-M MONITOR

**Explanation:** Highlighted, unrollable message.

Insufficient memory for the initiation of Control-M monitor.

Control-M monitor will shut down.

**Corrective Action:** Increase the Control-M monitor region size.

**SEL203I** *taskType memName jobName/jobId OID=orderId* ELIGIBLE FOR RUN

**Explanation:** This information message indicates that the job/started task has been given permission to run.

All the runtime conditions for job submission have been met, and all the resources have been acquired for the job. The job will soon be submitted by Control-M.

**Corrective Action:** No action is required.
SEL204E taskType memName jobName /jobId OID=orderId OUTPUT CONDITION condNameDate NOT ADDED/DELETED - SECURITY VIOLATION

Explanation: User is not authorized to add/delete the condition condNameDate to/from the conditions file. The date is in mmdd format.

The job definition contains OUT statements or ON STEP/DO COND statements (or both) for the referenced condition. The condition was not added/deleted because the user ID of the job order is not authorized to add or delete the condition.

Output condition is not added/deleted, but processing continues.

Corrective Action: Consult your INCONTROL administrator.

SEL205I OID=orderId RERUN IN PROCESS USING MEMBER memName

Explanation: This information message indicates that a DO RERUN instruction has been activated.

An event which requires a rerun has been triggered. Control-M will place the job again in wait schedule state. If all the runtime conditions are met the job will be submitted immediately.

Corrective Action: No action is required.

SEL206W taskType memName jobName /jobId OID=orderId ABENDED CC abCode STEP pgmStep /procStep

Explanation: The job abended with abend code abCode in step pgmStep/procStep.

Corrective Action: No action is required.

SEL207E taskType memName jobName /jobId OID=orderId NOT SUBMITTED. REASON rsn

Explanation: Submission of job failed for the reason identified in the message.

Valid values for rsn are:

<table>
<thead>
<tr>
<th>rsn</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCL</td>
<td>Submission cancelled by user exit or by the AutoEdit Facility.</td>
</tr>
<tr>
<td>ERAJF</td>
<td>Error while reading the jobs dsn list from the AJF.</td>
</tr>
<tr>
<td>GETER</td>
<td>Error while reading the job from the JCL library.</td>
</tr>
<tr>
<td>INUSE</td>
<td>The JCL library is allocated exclusively to another task (DISP=OLD). The Control-M monitor tries to repeat the processing according to the INUSE#WI and INUSE#RT parameters. For information about these parameters, see the INCONTROL for z/OS Installation Guide.</td>
</tr>
<tr>
<td>rsn</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>NOARC</td>
<td>Restart was requested, but the archived sysout of the job could not be accessed.</td>
</tr>
<tr>
<td>NOJOB</td>
<td>A job statement was not found in the member.</td>
</tr>
<tr>
<td>NLIB</td>
<td>Problem with access to the JCL library.</td>
</tr>
<tr>
<td>NOMEM</td>
<td>Member not found in the library.</td>
</tr>
<tr>
<td>WRITE</td>
<td>Write error while writing a line to the JES internal reader.</td>
</tr>
</tbody>
</table>

Look for more details in the previous log messages of this job.

**Corrective Action:** No action is required.

SEL208I  taskType memName jobName/jobId OID=orderId ENDED "OK"
RUN-NO=<run number>

**Explanation:** This information message indicates that a job finished executing OK. The Control-M run number is incremented each time a cyclic task is executed or a job is rerun.

The job ended successfully in one of the following ways:

- The job ended with a condition code from 00 through 04, which is the Control-M default for ended OK.
- Other events were marked OK in the production parameters and no event was unexplained or marked NOTOK.
- If `text` is FORCED OK, the job was terminated upon request and therefore marked as ended OK.
- If `text` is CLEANUP, the run was a Control-M/Restart Cleanup run.
- If `text` is (DUMMY JOB), the job that was run was a Control-M dummy job.

For more information, see the Control-M for z/OS User Guide.

**Corrective Action:** No action is required.

SEL209E  taskType memName jobName/jobId OID=orderId SYSOUT DI SAPPEARED

**Explanation:** The job sysout disappeared. The Control-M monitor could not check the sysout to analyze job execution results.

Possible causes are:
Someone purged the output of the job before the Control-M monitor was able to read it.

Someone released the job from Held status and the job was printed before the Control-M monitor was able to read it.

In the case of a started task, if the JES parameters signify that the STCMCLAS is not to be printed, then sysouts of STCs will always disappear.

The job finishes executing NOTOK, and the code JLOST is used to describe the event.

**Corrective Action:** Check the exact reason for the disappearance of the job and try to prevent it from happening again. See a description of sending a job to a held output class in the *INCONTROL for z/OS Installation Guide*, and sending a job SYSDATA to a held output class in the *INCONTROL for z/OS Administrator Guide* for additional considerations regarding the Control-M held class.

**SEL20AE** ERROR IN CTMPPE RC=rc, INFORM YOUR IOA ADMINISTRATOR

**Explanation:** An internal error was detected in MAINVIEW Batch Optimizer (MVBO) support.

Control-M ends with an error and shuts down.

**Corrective Action:** Perform the following steps:

1. Activate debug level 75.
2. Restart the Control-M monitor.
3. Recreate the error.
4. Send full output of the Control-M monitor to your INCONTROL Administrator.

**SEL20BE** OID=orderId, MAXIMUM PIPES IN COLLECTION EXCEEDED (255), PIPES IGNORED

**Explanation:** Too many pipes were specified for the collection or the job added too many pipe definitions to the collection.

This message is issued by Control-M. This message may occur if:

- The job definition includes more than 255 pipe definitions.
- The collection contains the maximum number of pipes and the job tries to add additional pipe definitions.

The pipe definitions in the job (and in other jobs belonging to the same collection) will be ignored.

**Corrective Action:** Ensure that no more than 255 pipes are defined in the collection.

**SEL20CI** taskType memName jobName/ jobId OID= orderId FOLLOWING IGNORED DUE TO BYPASS REQUEST: list-of-definitions-that-will-be-ignored

**Explanation:** This information message indicates that the Control-M monitor has accepted a request to bypass some selection criteria and/or post-processing actions.

**Corrective Action:** No action is required.
**SEL210E**  
*taskType memName jobName/jobId OID=orderId NOT RUN- J CL ERROR*  

**Explanation:** Job not run because of a JCL error.  
The job failed on JCL before execution.  
The code JNRUN is used to describe the event.  
**Corrective Action:** Correct the JCL for the job and rerun it.

**SEL211W**  
*taskType memName jobName/jobId OID=orderId FAILED- J CL ERROR IN STEP pgmStep/procStep*  

**Explanation:** Job failed on JCL error during execution in step pgmStep/procStep.  
The code JFAIL is used to describe the event.  
**Corrective Action:** Correct the reason for the failure and rerun the job if necessary.

**SEL212W**  
*taskType memName jobName/jobId OID=orderId UNEXPLAINED COND CODE: code*  

**Explanation:** Job failed because of unexplained condition code in one of the job's steps.  
Job ended with a condition code of code greater than 04 which is not referred to in the CODES parameter as OK.  
**Corrective Action:** No action is required.

**SEL213W**  
*taskType memName jobName/jobId OID=orderId FAILED REASON UNKNOWN. CC problem_code STEP pgmStep/procStep*  

**Explanation:** Job failed with problem code problem_code in step pgmStep/procStep for an unknown reason.  
The code *UKNW is used to describe this event.  
**Corrective Action:** If this message is issued for all jobs, ensure that the OUT180 DD statement is still in the Control-M monitor procedure.

**SEL214I**  
*OID=orderId RERUN NEEDED*  

**Explanation:** This information message indicates that a DO RERUN instruction has been activated.  
Control-M detected an event which requires a rerun. The rerun attempt will be performed according to Control-M production parameters: RERUNMEM, MAXRERUN and INTERVAL.  
**Corrective Action:** No action is required.

**SEL215W**  
*OID=orderId NO (MORE) RERUNS*  

**Explanation:** The number of reruns specified in the MAXRERUN parameter has been exhausted.  
An automatic rerun will not be performed. You can still rerun the job manually.
Corrective Action: No action is required.

SEL216W taskType memName jobName/jobId OID=orderId UNEXPLAINED COND CODE condCode STEP pgmStep/procStep

Explanation: An unexplained condition code (condCode) has been returned in relation to the pgmStep/procStep step.

The job ended with a condition code (condCode) that was greater than 04, and the condition code and pgmStep/procStep are not referred to in the CODES parameters of the job production data as OK.

Corrective Action: No action is required.

SEL217W taskType memName jobName/jobId OID=orderId FAILED- JCL ERROR (AFTER UNEXPECTED COND CODE: code)

Explanation: Job failed on JCL error during execution, while a previous step ended with a “bad” condition code.

This usually represents a situation where a file which should have been created in the previous step is not found (meaning that a JCL error has occurred), because the previous step failed (bad cc).

The code JFAIL is used to describe the event.

Corrective Action: No action is required.

SEL218I taskType memName jobName/jobId OID=orderId RECYCLED FOR POSSIBLE EXECUTION text

Explanation: This information message indicates that the cyclic task was recycled for possible execution. If all runtime conditions are met, the job/STC will be submitted/starred immediately.

This is the general Control-M message when a cyclic task is recycled for possible execution.

If text is AFTER CLEANUP, the run was a Control-M/Restart Cleanup run.

Corrective Action: No action is required.

SEL219I taskType memName jobName/jobId OID=orderId ENDED "NOT OK" RUN-NO=<run number>

Explanation: This information message indicates that the Control-M monitor determined that the job ended NOTOK.

This is the general Control-M message when a job finishes executing NOTOK. The IOA Log file should contain prior messages detailing the reasons. The Control-M run number is incremented each time a cyclic task is executed or a job is rerun.

The job ended unsuccessfully in one of the following ways:
The job ended with a condition code greater than 04 which is the Control-M default for ended NOTOK.

Other events were marked NOTOK in the production parameters or some event was unexplained and marked NOTOK.

If `text` is FORCED OK, the job was terminated upon request and therefore marked as ended OK.

If `text` is CLEANUP, the run was a Control-M/Restart Cleanup run.

See the Control-M for z/OS User Guide for more information.

**Corrective Action:** No action is required.

SEL220I taskType memName jobName/jobId OID=orderId WILL BE RERUN

**Explanation:** This information message is issued because a manual request to rerun a job/STC was accepted.

The job/STC will be placed in WAIT SCHEDULE state again. If all runtime conditions are met, the job/STC will be submitted/started immediately.

**Corrective Action:** No action is required.

SEL221I OUTPUT CONDITION cond WAS func BY THE ON CONTROL-M CMEM FACILITY

**Explanation:** This information message indicates that the Control-M On Spool Jobs Facility added or deleted a prerequisite condition.

**Corrective Action:** No action is required.

SEL223I OID=orderId JOB jobName MAXRERUN LIMIT REACHED

**Explanation:** This information message indicates that the last run of a cyclic job ended. Control-M resubmits each cyclic job for execution until it has run the number of times defined by MAXRERUN in the job definition.

**Corrective Action:** No action is required.

SEL224I CYCLING STOPPED BY "DO STOPCYCL" STATEMENT

**Explanation:** This information message indicates that a cycling of a cyclic task, cyclic job, or cyclic Started task, stopped as a result of the execution of a DO STOPCYCL statement.

**Corrective Action:** To reactivate the cycling, rerun or restarting the cyclic task.

SEL225I taskType memName jobName/jobId OID=orderId DO FORCEJOB table/job ALREADY PERFORMED

**Explanation:** This information message indicates that Control-M did not execute the DO FORCEJOB request even though the corresponding ON PGMST condition was satisfied. This happens when a job is RESTARTed, the corresponding DO FORCEJOB was already performed during original job run (or one of following RESTARTs) and the Control-M/Restart installation parameter FORCONCE is specified as Y (Yes).
Corrective Action: No action is required.

SEL229S OPEN FAILED FOR DDNAME "DARES"

Explanation: Open of a debugging output file failed (the DARES DD statement).
This is probably because the DARES DD statement is missing in the Control-M procedure.
Control-M monitor will shut down with error message.
Corrective Action: Correct the JCL for the Control-M monitor procedure and start it again.

SEL230S OPEN FAILED FOR DDNAME "DARESF"

Explanation: Open of Control-M Resources file failed (the DARESF DD statement).
Possible causes are:
- The DARESF DD statement is missing.
- The data set described by the DARESF DD statement is not the Control-M Resources file.
- The data set described by the DARESF DD statement is the Control-M Resources file of a different version or a different Control-M monitor.
Control-M monitor shuts down.
Corrective Action: Correct the JCL for the Control-M procedure, and start it again.

SEL241W taskType memName jobName /jobId OID=orderId OUTPUT CONDITION condNameDate NOT UPDATED - NO MORE SPACE. NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

No more space to add output conditions to the conditions file. The date is in mmdd format.
The record for the specified day of the month is full. For example, if a condition with date reference of January 3 cannot be added, then an entry in the conditions file that contains conditions for the third day of every month is full.
The condition is not added, and a highlighted message is displayed on the operator console. Control-M continues to function, but the jobs that depend on the condition are not submitted.
Corrective Action: Immediate actions:
1. Enter the Control-M Online Facility Resource Map (screen 4). By changing the date range limit, find conditions with the same day (but a different month) as the condition that could not be added, and manually delete those that are not needed.
2. Add the failing condition manually, to maintain production flow.
3. Report the event to your system programmer.

Long term actions:
4. Run the IOALCND Control-M utility more often.
5. Increase the record length of the IOA Conditions file. For more information on how to do this, see the description of expanding IOA files in the INCONTROL for z/OS Administrator Guide.
SEL244S OPEN OF DD NAME "DAALTRES" AND/OR "DAALTSNC" FAILED. DUAL RESOURCE FILE IS NOT AVAILABLE.

Explanation: Open of IOA alternate (dual) Conditions file (the DAALTCND DD statement) failed.
Possible causes are:
- The DAALTCND DD statement is missing.
- The DAALTSNC DD statement is missing.
- The data set described by the DAALTCND DD statement is not an IOA Conditions file.
This message will be produced only if Control-M is working in dual file mode (indicated in IOAPARM).
The Control-M monitor will shut down with an error message.
Corrective Action: Correct the JCL for the Control-M procedure, and start it again. If you do not wish to run in dual file mode, correct the Control-M Installation Parameters (IOAPARM).

SEL249I SHUT DOWN UPON REQUEST OF MAIN TASK

Explanation: This information message announces the shut down of the Control-M monitor.
Shut down of Control-M internal selector task by request of Control-M main task.
The Control-M monitor will shut down.
Corrective Action: No action is required.

SEL250I CONDITION cond {DELETED | ADDED}: RUNNUMBER=num

Explanation: This information message indicates that a condition has been added or deleted by Control-M as the result of job processing options.
This message is issued at sites where the MSEL250I parameter is set to Y. For more information, see the section on customizing Control-M in the INCONTROL for z/OS Installation Guide.
The variables in this message are:
- cond - the condition that was added or deleted
- num - the run number
The program adds or deletes the cond condition.
Corrective Action: No action is required.

SEL251S ENQ FAILED FOR FILE DARESF

Explanation: ENQ of the Control-M Resources file failed. The file is probably enqueued by another process that is not releasing it.
The Control-M monitor does not start or stop running.
Corrective Action: Cancel the address space of the process that is not releasing the Control-M Resources file. Control-M must access this file.
INCONTROL for z/OS Messages Manual

SEL252S INIT FAILED FOR FILE DARESF

Explanation: The Control-M monitor failed to initialize the Control-M Resources file. The reason appears in the accompanying message.

The Control-M monitor does not start.

Corrective Action: Use the information in the accompanying message to correct the cause of the failure.

SEL253I OID=orderId JOB IS HOLDING num UNITS OF RESOURCE quantResource

Explanation: This information message indicates that a job got control of the specified number (num) of quantResource Quantitative resources.

When a job is ready to run, the system gives it the resources it requested.

The variables in this message are:
- orderId - the order ID of the job
- num - the specified number of units
- quantResource - the name of the Quantitative resource

The system reduces the number of available units of this resource until the job finishes and the resources become available again.

Corrective Action: No action is required.

SEL254I OID=orderId JOB RELEASED num UNITS OF quantResource

Explanation: This information message indicates that a job released the specified quantity (num) of quantResource Quantitative resources.

When a job finishes, it releases the resources it used.

The variables in this message are:
- orderId - the order ID of the job
- num - the specified number of units
- quantResource - the name of the Quantitative resource

The system returns the resources the job used to the list of available resources.

Corrective Action: No action is required.

SEL255I OID=orderId JOB ACQUIRED CONTROL contResource MODE {E | S}

Explanation: This information message indicates that a job got control of the contResource Control resource in the specified mode (Exclusive or Shared).

The variables in this message are:
SEL256I OID=orderId JOB RELEASED CONTROL contResource MODE {E | S}

Explanation: This information message indicates that a job released the contResource Control resource that was held in the specified mode (Exclusive or Shared).

When a job finishes, it releases the resources it used.

The variables in this message are:
- orderId - the order ID of the job
- contResource - the name of the Control resource

Corrective Action: No action is required.

SEL259I JOB DECREASED num UNITS FROM RESOURCE resourceName DEFINITION

Explanation: This information message indicates that the job ENDED OK, and according to its definition, Control-M decreased the value of the resourceName quantitative resource by num units.

Corrective Action: No action is required.

SEL286I OID=orderId WAITING FOR CONFIRMATION

Explanation: This information message indicates the job is eligible to be run by Control-M, but the job is waiting for manual restart decision confirmation.

The job has a status of WAIT CONFIRMATION. For the job to run, the user must confirm that this job can be restarted. For information about the CONFIRM command, see the Control-M for z/OS User Guide.

Corrective Action: No action is required.

SEL28TE CNDJNL FILE SIZE DOES NOT MATCH CND FILE SIZE -- JOURNALING DISABLED

Explanation: The size of the IOA Conditions base image file differs from the size of the production Conditions file.

The IOA Conditions base image file CNDJNL is created after New Day processing and is used by the CTMRSTR restore utility. The size of this file must be identical to that of the production Conditions file.

The Control-M monitor deallocates the file and waits for instructions as described in message CTML12W.

Corrective Action: Reply C, I, or E to message CTML12W.
SEL28UE RESJ NL FILE SIZE DOES NOT MATCH RES FILE SIZE -- JOURNALING DISABLED

**Explanation:** The size of the Control-M Resource file base image file differs from the size of the production Resource file.

The Control-M Resource file RESJ NL is created after New Day processing and is used by the CTMRSTR restore utility. The size of this file must be identical to that of the production Resource file.

The Control-M monitor deallocates the file and waits for instructions as described in message CTML12W.

**Corrective Action:** Reply C, I, or E to message CTML12W.

SEL28VE FILE `fileName` DEALLOCATED. RESIZE FILE AND USE JOURNAL=ENABLE COMMAND TO REALLOCATE

**Explanation:** This message accompanies message CTM921E, CTM287E, or CTM288E and indicates that the problematic base image file has been deallocated.

**Corrective Action:** Define a file of correct size matching the corresponding production file and use the ENABLE command to allocate the new file to the Control-M monitor.

Messages SELC00 through SELCxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

SELC60I QUANTITATIVE RESOURCE `resourceName` action

**Explanation:** This information message displays the results of a DO RESOURCE action in a Control-O rule. The quantitative resource has been added, deleted, or changed in the Control-M Resources file.

**Corrective Action:** No action is required.

SELC61I QUANTITY OF RESOURCE `resourceName` CHANGED `old_qty` ==> `{+ | -} delta_qty`

**Explanation:** This information message displays the results of a Control-O DO RESOURCE request. The quantity of resource is increased (+) or decreased (-) from `old_qty` by the amount in `delta_qty`. If no sign is indicated, the quantity has been set to the amount specified in `delta_qty`.

The variables in this message are:
- `resourceName` - the name of the resource
- `old_qty` - the original quantity
- `delta_qty` - the amount increased or decreased

**Corrective Action:** No action is required.
SELC62E QUANTITATIVE RESOURCE resourceName TO BE CHANGED DOESN'T EXIST

Explanation: The quantitative resource resourceName which was specified in a Control-O DO RESOURCE action does not exist in the Control-M Resources file.

Someone may have deleted the quantitative resource from the Control-M Resources file or it may never have been added.

Corrective Action: Scan the IOA Log to see why the resource may have been deleted. Check that the syntax of the resource in the Control-O DO RESOURCE action is correct.

SELC63E CANNOT ADD QUANTITATIVE RESOURCE resourceName. FILE IS FULL

Explanation: The quantitative resource resourceName specified in a Control-O DO RESOURCE action, cannot be added to the Control-M Resources file because the file is full.

The quantitative resource is not added to the file.

Corrective Action: Contact your systems programmer about the possibility of increasing the capacity of the Control-M Resources file.

SELC64E QUANTITATIVE RESOURCE res NOT action - SECURITY VIOLATION

Explanation: The Control-O resource action that was requested (add/change) was not performed due to security restrictions at the site.

The resource action is not performed.

Corrective Action: If you think the user that owns the rule should be authorized to issue resource requests, please contact your INCONTROL administrator. You may need to adapt your Control-M security criteria.

SELC65I OUTPUT CONDITION cond WAS action BY CONTROL-O

Explanation: The information message displays the results of a Control-O DO COND action.

The Control-M monitor adds/deletes the prerequisite condition.

Corrective Action: No action is required.

SELC66E OUTPUT CONDITION condition/date NOT action - SECURITY VIOLATION

Explanation: Control-O issued a DO COND request, but the Prerequisite Condition was not added/deleted.

User is not authorized to add/delete this condition from the IOA Conditions file.

Corrective Action: If you think the user that owns the rule should have the authority to perform DO COND actions, contact your INCONTROL administrator. You may need to adapt your Control-M security criteria.
INCONTROL for z/OS Messages Manual

SELC68E VALUE OF CNDREC# PARAMETER IN IOAPARM IS NOT EQUAL TO ACTUAL FILE SIZE

**Explanation:** The CNDREC# parameter in the IOAPARM member has been changed, but the IOA Conditions file has not been rebuilt.

A difference between the length of the IOA Conditions file and the CNDREC# value specified in the IOAPARM member of the PARM library was detected.

This is usually caused by using the IOAPARM member (read from the IOA Load library) for the wrong monitor.

The Control-M monitor shuts down.

**Corrective Action:** Correct the problem and restart the monitor.

SELC69E UPDATE OF QUANTITATIVE RESOURCE resourceName FAILED

**Explanation:** The action specified in a CONTRO-O DO RESOURCE statement failed, because it would have produced an illegal quantity.

Updating the resource would have produced either a negative quantity or a quantity greater than the maximum of 9999. Therefore it was rejected.

The system ignores the illegal statement and continues processing.

**Corrective Action:** Check and correct, if necessary, the definition of the quantitative resource to be updated and/or the rule defining how to update it.

SELC6AW QUANTITATIVE RESOURCE resourceName NOT CHANGED BECAUSE IT'S ALREADY HANDLED BY CONTROL-M

**Explanation:** DO RESOURCE statement in Control-M/Operator Rule was ignored by Control-M Monitor because the corresponding Rule was triggered by the message issued from a job submitted by Control-M and the Quantitative Resource (whose name specified in DO RESOURCE) is already allocated to the job by Control-M.

**Corrective Action:** No action is required.

SELC95I taskType memName jobName/jobId OID=orderId WILL BE REACTIVATED

**Explanation:** This information message indicates that as a result of a user request, the job or STC is reactivated, and the Control-M monitor searches again for the sysout of the job or STC.

When option A (Reactivate) is specified for a job or STC in the Active Environment screen, the status of that job or STC changes from DISAPPEARED to SUBMITTED, and the Control-M monitor searches again for the sysout of the job to analyze job execution results.

**Corrective Action:** No action is required.

SELC96I OID=orderId WILL RETRY SUBMIT LATER

**Explanation:** This information message indicates that submission of the job could not be completed because of a temporary problem (for example, data set in use).
This information message accompanies other messages which identify the reason for the submission failure.

Control-M will retry submission later, for a maximum of three attempts. After three attempts to submit the job, the submission is cancelled.

Corrective Action: Check previous error messages. Correct the error and rerun the job.

Messages SELL00 through SELLxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

SELL31E NO SPACE FOR QUANTITATIVE RESOURCE resourceName.
NOTIFY YOUR IOA ADMINISTRATOR

Explanation: A resource (resourceName) could not be acquired because the Quantitative Resource List is full.

Resource acquisition is delayed until enough space is regained in the Quantitative Resource List in the Control-M Resources file. This message is not issued more often than once a minute.

Corrective Action: Ask your INCONTROL administrator to increase the logical record length of the Control-M Resources file. If the logical record length is already set to the maximum length allowed, wait until previously acquired quantitative resource entries are freed when jobs end. A third alternative is to have the INCONTROL administrator make more room available by deleting unused quantitative resource definitions.

SHB messages

This group includes messages for the IOA (infrastructure) product.

Messages SHB200 through SHB2xx

This group includes messages for the IOA (infrastructure) product.

SHB282I text (userId)

Explanation: Highlighted, unrollable message.

This information message is activated by the SHOUT facility.

In this message, userId is the user ID of the job order requesting the SHOUT.

Corrective Action: No action is required.

SHB284I NEW DYNAMIC DESTINATION TABLE LOADED

Explanation: This information message indicates that a new Dynamic Destination Table has been loaded by the IOA Runtime environment. This message is also generated when the SHOUT Facility is initialized under the IOA Runtime environment.
Corrective Action: No action is required.

**SHB285W DYNAMIC DESTINATION TABLE NOT LOADED**

**Explanation:** Loading of the Dynamic Destination Table by the IOA Runtime Environment failed. This could be due to one of the following causes:

- There is insufficient memory for loading the table.
- The IOADEST table does not exist in the IOA PARM library.

If the failure occurs during the initialization of the IOA Runtime Environment, SHOUT notifications will not be controlled by the Dynamic Destination Table.

**Corrective Action:** Check the MVS Log for the reason for the failure (probably a system abend code). Correct the problem and then run the job again.

**SHD messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages SHD200 through SHD2xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**SHD282I text (usr).**

**Explanation:** Highlighted, unrollable message.

This information message is activated by the SHOUT Facility.

In this message, usr is the user ID of the job order requesting the SHOUT.

**Corrective Action:** No action is required.

**SHD284I NEW DYNAMIC DESTINATION TABLE LOADED**

**Explanation:** This information message indicates that a new Dynamic Destination Table has been loaded by the Control-D monitor. The message also appears on initialization of the SHOUT Facility under the Control-D monitor.

**Corrective Action:** No action is required.

**SHD285W DYNAMIC DESTINATION TABLE NOT LOADED**

**Explanation:** Loading of the Dynamic Destination Table by the Control-D monitor failed. It could be due to one of the following:
Insufficient memory for loading the table.

The Ioadest table does not exist in the IOA PARM library.

If the failure happens during the initialization of the Control-D monitor, then SHOUT notifications will not be controlled by the Dynamic Destination Table. If this happens as a result of an F CONTROLD,NEWDEST command (operator command instructing the Control-D monitor to load a new Destination Table), the old destination table will remain in effect.

**Corrective Action:** Check the MVS Log for the reason for the failure (probably a system abend code). Correct the problem and then, in order to load the table, issue the operator command F CONTROLD,NEWDEST.

### SHT messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

#### Messages SHT200 through SHT2xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SHT280I MAILDEST TABLE WAS {LOADED | RELOADED}**

**Explanation:** This information message indicates that the MAILDEST table was LOADED during Control-M initialization, or was RELOADED as a result of a NEWMAILDEST command.

The MAILDEST table must be loaded before shout messages can be sent to their specified addresses.

If there are jobs in the Active Jobs File (AJF) when a NEWMAILDEST command is issued, the MAILDEST table is reloaded, this message is issued and shout messages are sent.

If the AJF is empty, when a NEWMAILDEST command is issued, the MAILDEST table is not reloaded. As soon as a job is put into the AJF, MAILDEST is reloaded, this message is issued and shout messages are sent.

**Corrective Action:** No action is required.

**SHT281W MAILDEST TABLE WAS NOT FOUND IN ANY LIBRARY REFERENCED BY DD STATEMENT DAPARM. UNABLE TO SEND SHOUT**

**Explanation:** The MAILDEST member is not in the IOA PARM library.

The IOAMAIL module reads the MAILDEST member to prepare a full address for each name on the mail list.

This message is produced when a job scheduling definition or rule issues a SHOUT or DO MAIL action to a destination specifying an e-mail address that cannot be resolved due to the absence of a MAILDEST member in the IOA PARM library.

The MAILDEST member is not loaded and shout messages are not sent.

**Corrective Action:** Build a new MAILDEST member in the IOA PARM library and try again.
**SHT282I text (userId)**

**Explanation:** Highlighted, unrollable message.

This information message is activated by the SHOUT facility. The userId is for the job order requesting the SHOUT.

**Corrective Action:** No action is required.

---

**SHT284I NEW DYNAMIC DESTINATION TABLE LOADED**

**Explanation:** This information message indicates that a new Dynamic Destination Table has been loaded by the Control-M monitor. This message is also generated when the SHOUT Facility is initialized under the Control-M monitor.

**Corrective Action:** No action is required.

---

**SHT285W DYNAMIC DESTINATION TABLE NOT LOADED**

**Explanation:** Loading of the Dynamic Destination Table by the Control-M monitor failed.

It could be due to one of the following:

- Insufficient memory for loading the table.
- The IOADEST table does not exist in the IOA PARM library.

If the failure happens during the initialization of the Control-M monitor, then SHOUT notifications will not be controlled by the Dynamic Destination Table. If this happens as a result of an F CONTROLM,NEWDEST command (operator command instructing the Control-M monitor to load a new Destination Table), the old destination table will remain in effect.

**Corrective Action:** Check the MVS Log for the reason for the failure (probably a system abend code). Correct the problem and then, in order to load the table, issue the operator command F CONTROLM,NEWDEST.

---

**SHT286E OPEN DAM2G FILE BY CTWWMG FAILED**

**Explanation:** The CTWWMG program is unable to open the DAM2G communication file.

To send Shout messages to an Enterprise Controlstation, Control-M uses the CTWWMG program to first write those messages and their records to DAM2G.

**Corrective Action:** Ask your INCONTROL administrator to correct the problem.

---

**SHT287E INVALID OPERATION CODE FROM CTWWMG**

**Explanation:** The CTWWMG program cannot write Shout message records to the DAM2G communication file because an invalid operation code was used to write the record.

To send Shout messages to an Enterprise Controlstation, Control-M uses the CTWWMG program to first write those messages and their records to DAM2G.

**Corrective Action:** Ask your INCONTROL administrator to correct the problem.
**SHT288E ERROR IN PREPARING SHOUT TO MAIL, RC = rc**

**Explanation:** The rc error occurred during preparation to send Shout messages.

Valid values for rc are:

<table>
<thead>
<tr>
<th>rc</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>GETMAIN failure in IOAMAIL.</td>
</tr>
<tr>
<td>02</td>
<td>Error occurred while loading modules in IOAMAIL.</td>
</tr>
<tr>
<td>03</td>
<td>Error occurred in the PRPGRP routine during preparation of group addresses.</td>
</tr>
<tr>
<td>04</td>
<td>Error occurred while reading or writing to the buffers.</td>
</tr>
<tr>
<td>05</td>
<td>Error in DOMAIL routine.</td>
</tr>
<tr>
<td>06</td>
<td>Error in MAILDEST structure.</td>
</tr>
<tr>
<td>07</td>
<td>Error in FREEMAIN.</td>
</tr>
<tr>
<td>08</td>
<td>Error in input parms.</td>
</tr>
<tr>
<td>11</td>
<td>GETMAIN failure in CTMMAL.</td>
</tr>
<tr>
<td>12</td>
<td>Error occurred while loading modules in CTMMAL.</td>
</tr>
<tr>
<td>13</td>
<td>FREEMAIN error in CTMMAL.</td>
</tr>
</tbody>
</table>

**Corrective Action:** Do one of the following:

- If rc is 03, 04 or 05, correct errors in the MAILDEST table.
- For all other rc values, contact your INCONTROL administrator or system programmer for help.

**SIM messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages SIM0 through SIM0xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.
SIM075S OPEN OF DDNAME "DASIMOUT" FAILED. SIMULATION STOPPED

Explanation: Open of simulation printout file failed (the DASIMOUT DD statement - the CTMSIM utility).
This is due to one of the following:

- The DASIMOUT DD statement is missing.
- The data set described by the DASIMOUT DD statement cannot be opened for sequential write.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the JCL for the job.

SIM076I SIMULATION STARTED

Explanation: This information message indicates that simulation started (the CTMSIM Control-M utility).
This message is issued by the CTMSIM Control-M utility, which activates the Simulation and Forecasting Facility.

Corrective Action: No action is required.

SIM077S OPEN OF DDNAME "DASIMPRM" FAILED. SIMULATION STOPPED

Explanation: Open of simulation parameters file failed (the DASIMPRM DD statement - the CTMSIM utility)
This could be due to one of the following:

- The DASIMPRM DD statement is missing.
- The data set described by the DASIMPRM DD statement cannot be opened for sequential read.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the JCL for the job.

SIM078I SIMULATION ENDED

Explanation: This information message indicates that simulation ended (the CTMSIM Control-M utility).

Corrective Action: No action is required.

SIM079S INVALID SIMULATION PARAMETER: - parm

Explanation: Invalid simulation parameter (the CTMSIM Control-M utility). For details, refer to the section on the Simulation and Forecasting facility in the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the simulation parameters (the DASIMPRM DD statement).

SIM080S SIMULATION INTERVAL MUST BE FROM 3 TO 99 SECONDS

Explanation: Invalid interval parameter for Control-M simulation facility. Simulation interval must be from 3 to 99 seconds, inclusive. For details, refer to the section on the Simulation and Forecasting facility in the Control-M for z/OS User Guide.
The simulation stops executing with a condition code of 08.

**Corrective Action:** Correct the simulation interval (the DASIMPRM DD statement).

**SIM081S INVALID DAYTIME FORMAT. "yyymmddhhmm" EXPECTED**

**Explanation:** Invalid format of SIMSTART SIMEND, ADD, DELETE or CHANGE simulation parameters. The SIMSTART and SIMEND simulation parameters or the ONDAYTIME subparameter (of the ADD, DELETE and CHANGE command) should be in day-time format yymmddhhmm. For more information, see the section on the Simulation and Forecasting facility in the *Control-M for z/OS User Guide*.

The simulation stops executing with a condition code of 08.

**Corrective Action:** Correct SIMSTART or SIMEND or ONDAYTIME simulation parameter (the DASIMPRM DD statement).

**SIM082S MULTIPLE USE OF PARAMETER. ONLY ONE OCCURRENCE IS ALLOWED**

**Explanation:** Result of multiple use of INTERVAL, SIMSTART or SIMEND simulation parameters (the CTMSIM Control-M utility).

Only one occurrence of INTERVAL, SIMSTART or SIMEND simulation parameters is allowed. For details, refer to the section on the Simulation and Forecasting facility in the *Control-M for z/OS User Guide*.

The simulation stops executing with a condition code of 08.

**Corrective Action:** Please omit one of the multiple occurrences of the relevant simulation parameter (the DASIMPRM DD statement).

**SIM083S SIMULATION START TIME IS GREATER THAN SIMULATION END TIME**

**Explanation:** The daytime specified in the SIMEND simulation parameter is prior to the daytime specified in the SIMSTART parameter (the CTMSIM Control-M utility).

For details, refer to the section on the Simulation and Forecasting facility in the *Control-M for z/OS User Guide*.

The simulation stops executing with a condition code of 08.

**Corrective Action:** Correct the SIMSTART or SIMEND simulation parameter (the DASIMPRM DD statement).

**SIM084S MISSING OBLIGATORY SIMULATION PARAMETERS**

**Explanation:** Missing obligatory simulation parameters: INTERVAL, SIMSTART or SIMEND. For details, refer to the section on the Simulation and Forecasting facility in the *Control-M for z/OS User Guide*.

The simulation stops executing with a condition code of 08.

**Corrective Action:** Correct the simulation parameters (the DASIMPRM DD statement).
SIM085S LOADING OF SIMULATION CONTROL TABLE FAILED. SIMULATION STOPPED

Explanation: Loading of simulation control table failed. The CTMSMT module is not in the IOA SIML library, or there is insufficient memory.

Corrective Action: Check the IOA SIML library or increase region size.

Simulation stops.

SIM086W MEMBER memName LIBRARY lib WILL NOT TAKE PART IN THE SIMULATION

Explanation: The status of the job on the simulation input Active Jobs file (AJF) is not WAIT SCHEDULE. The Control-M simulation facility processes only jobs which have a WAIT SCHEDULE status on the simulation input Active Jobs file. Jobs with other status's are ignored.

Control-M simulation continues processing.

Corrective Action: No action is required.

SIM087W MEMBER memName LIBRARY lib - DEFAULT ELAPSED TIME USED

Explanation: Result of request for execution of simulation for a Quick Submit job on which Control-M does not have statistical information in the Job Execution Statistics file (the DASTAT DD statement).

The default elapsed time of 3 minutes was used for a Quick Submit job. The job execution statistical data must be periodically accumulated from the Log file by the CTMJSA utility. You can specify expected execution time of a new job with the NEWJOB statement. For details, refer to the Control-M for z/OS User Guide.

Corrective Action: No action is required.

SIM088S INVALID RC WHILE READING JOBS EXECUTION STATISTICS FILE. RC=rc ERROR=err

Explanation: Invalid return code rc while reading the job execution statistics file.

The job execution statistics file is a VSAM file. The return code (rc) is the general VSAM return code, and the error (err) is the VSAM FDBK area.

The simulation stops executing with a condition code of 08.

Corrective Action: Check the relevant IBM literature for the meaning of the return code and FDBK area.

SIM089S INSUFFICIENT MEMORY TO PERFORM SIMULATION

Explanation: Insufficient memory to perform simulation.

The CTMSIM utility that activates the simulation may use a large amount of CPU and memory. For details, refer to the section on the Simulation and Forecasting facility in the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.
Corrective Action: Increase the job region size (of the CTMSIM utility).

SIM090S VALID MEMBER NAME EXPECTED AFTER "NEWJOB"/"OLDJOB" STATEMENT

Explanation: Invalid missing member name after NEWJOB (or OLDJOB) statement (the DASIMPRM DD statement).

The NEWJOB statement is used to specify the expected execution time of the new job. The OLDJOB statement is used to specify the execution time of a job when it is different from the average. The member is the basis for identifying the job order in the Active Jobs file.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the member parameter in the NEWJOB (or OLDJOB) statement (the CTMSIM utility).

SIM091S VALID GROUP NAME OF 1-20 CHARACTERS IS EXPECTED AFTER "GROUP" SUB-COMMAND

Explanation: Invalid or missing GROUPNAME parameter in sub-command GROUP of the NEWJOB statement (the DASIMPRM DD statement).

The GROUPNAME should be from 1 through 20 characters. The NEWJOB parameters member and group name are the basis for identifying the job order in the Active Jobs file. For details, refer to the section on the Simulation and Forecasting facility in the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the GROUP sub-command in the NEWJOB statement (the CTMSIM utility).

SIM092S CPU ID OF ONE CHARACTER IS EXPECTED AFTER "CPUID" SUB-COMMAND

Explanation: The CPUID parameter in CPUID sub-command of NEWJOB statement (the DASIMPRM DD statement) is invalid or missing.

In a multiple CPU environment, the job can have different execution times on different CPUs. Therefore it is necessary to specify the expected elapsed time for each CPU the job may run on. The CPUID parameter should be of one character - identical to the CPUID used by JES for this CPU. For details, refer to the simulation parameters in the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the CPUID parameter in the CPUID sub-command of NEWJOB statement (the CTMSIM utility).

SIM093S INVALID EXECTIME FORMAT. "nnmm.xx" EXPECTED

Explanation: Invalid or missing EXECTIME parameter in NEWJOB statement (the DASIMPRM DD statement).

The EXECTIME is given in minutes (mmmm) and hundredths of a minute (xx). For more information, see the NEWJOB statement in the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.
Corrective Action: Correct the EXECTIME parameter in the NEWJOB statement (the CTMSIM utility).

SIM094S MISSING "EXECTIME" SUB-COMMAND AFTER "NEWJOB"/
"OLDJOB" COMMAND

Explanation: Missing EXECTIME sub-command after NEWJOB (or OLDJOB) command (the DASIMPRM DD statement).

EXECTIME sub-command is obligatory in NEWJOB (or OLDJOB) statement. For details, refer to the NEWJOB or OLDJOB statement in the Control-M for z/OS User Guide.

Corrective Action: Add the EXECTIME sub-command or omit the NEWJOB (or OLDJOB) statement (the CTMSIM utility).

SIM095S MISSING EITHER "CONDITION" OR "RESOURCE" IN COMMAND

Explanation: Missing either CONDITION or RESOURCE in simulation command (the DASIMPRM DD statement).

ADD, DELETE or CHANGE commands can be used either with CONDITIONS or with RESOURCES. For details, refer to the simulation parameters in the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.

Corrective Action: Correct the ADD, DELETE, or CHANGE simulation command.

SIM096S CONDITION/RESOURCE NAME MUST BE 1-20 CHARACTERS

Explanation: Invalid/missing CONDITION or RESOURCE name in simulation parameters (the DASIMPRM DD statement).

CONDITION or RESOURCE name must be 1-20 characters. For details, refer to the simulation parameters the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.

Corrective Action: Please correct the CONDITION or RESOURCE name in the simulation parameters (the CTMSIM utility).

SIM097S MISSING "ONDAYTIME" SUB-COMMAND

Explanation: Missing ONDAYTIME sub-command in the simulation parameters (the DASIMPRM DD statement).

ONDAYTIME sub-command is obligatory in ADD, DELETE or CHANGE commands of the simulation parameters. For details, refer to the simulation parameters in the Control-M for z/OS User Guide.

The simulation stops executing with a condition code of 08.

Corrective Action: Please add an ONDAYTIME sub-command to the ADD, DELETE or CHANGE command of the simulation parameters.

SIM098I TASK taskName DID NOT FINISH EXECUTING

Explanation: This information message indicates that taskName task (job/started task) did not finish executing within simulation time limits (SIMEND).
The task started executing and was still executing at the end of the simulation.

**Corrective Action:** No action is required.

**SIM099I TASK taskName STILL WAITS SCHEDULE**

**Explanation:** This information message indicates that `taskName` task is still waiting to be scheduled after the simulation end time specified in the SIMIEND ONDAYTIME.

The job/started task was in wait schedule state at simulation end time. It probably did not execute.

**Corrective Action:** No action is required.

**Messages SIM100 through SIM1xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SIM100W JOB jobName IS A QUICK-SUBMIT JOB - DEFAULT ELAPSED TIME USED**

**Explanation:** The Control-M Simulation Facility encountered a Quick Submit job in the input for the simulation process.

The Quick Submit job is handled as a standard job. Default execution time is assumed for the job.

**Corrective Action:** No action is required.

**SIM101S INVALID CHANGE REQUEST**

**Explanation:** The number of elements in a quantitative resource could not be changed, because the resource is not defined in the Control-M Resources file.

The CHANGE RESOURCE command is ignored.

**Corrective Action:** Make sure a resource is defined in the Control-M Resources file before using the CHANGE RESOURCE command of the simulation utility to change it.

**Messages SIM500 through SIM5xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SIM500I INPUT LEN=len REC=inputRecordMsg**

**Explanation:** This information message is generated when the CTOTEST Control-O utility is invoked.

**Corrective Action:** This message is sent to CTOTEST. It echoes the input record.

**SIM501S OPEN FAILED FOR DDNAME CMDMSGFL**

**Explanation:** The attempt to open input file CMDMSGFL failed.

Possible causes are:
The CMDMSGFL DD statement is misspelled.
The data set (member) referenced by the CMDMSGFL DD statement does not exist.
CTOTEST execution terminates.

**Corrective Action:** Check if the CMDMSGFL DD statement is present in the JCL.

**SIM502S INPUT PARAMETER ERROR**

**Explanation:** The subsystem name input parameter is invalid or missing.
CTOTEST execution terminates.

**Corrective Action:** Check if PARM=subsystemName is present in the parameter string.

**SIM503I RC rc LEN=len REC=msgText**

**Explanation:** This information message is generated when the CTOTEST Control-O utility is invoked.
The variables in this message are:
- **rc** - return code
- **len** - new message length
- **msgText** - new message text

**Corrective Action:** No action is required.

**SLC messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages SLC0 through SLC0xx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SLC001I CTMSLC STARTED**

**Explanation:** This information message indicates that the CTMSLC utility, which enables you to remove old job scheduling definitions from the schedule library, has started.

**Corrective Action:** No action is required.

**SLC00AI NO JOBS WERE DELETED BY LIBRARY CLEANUP PROCESS**

**Explanation:** The CTMSLC utility completed successfully without deleting any job scheduling definitions from the scheduling library.
The utility terminates with a return code of 4.

**Corrective Action:** No action is necessary.
SLC025I  CTMSLC ENDED

**Explanation:** This information message indicates that the CTMSLC utility ended normally. The CTMSLC utility enables you to remove old job scheduling definitions from the schedule library.

**Corrective Action:** No action is required.

### SLG messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

#### Messages SLG900 through SLG9xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SLG9B1E** SYSTEM LOGGER CONNECT REJECTED, DASD-ONLY LOG STREAM IS ALREADY CONNECTED TO BY ANOTHER LOG STREAM IN THE SYSPLEX

**Explanation:** The System Logger rejected an attempt to connect to a DASD-only log stream because another log stream in the Sysplex is already connected. Only applications from the same system (LPAR) can connect simultaneously to the DASD-only log streams. If you are using DASD-only log streams, then Control-M, CMEM or Control-O, and IADDC (the CONNECT DIRECT interface) must all be running in the same LPAR.

The attempt to connect is rejected.

**Corrective Action:** Determine which system you want to connect to the log stream, and rerun the component that failed in the correct system.

If you want all members in a Sysplex to have access to the log stream, use coupling facility log streams rather than DASD-only log streams. For more information, see the description of sysplex configuration parameters in the INCONTROL for z/OS Installation Guide.

### SLO messages

This group includes messages for the Control-O product.

#### Messages SLO100 through SLO1xx

This group includes messages for the Control-O product.

**SLO160I** {CONTROL-O | CTMCQMEM} SELECTOR STARTED

**Explanation:** This information message indicates the start of the Control-O Selector task, which controls the runtime selection criteria for rules.
Corrective Action: No action is required.

SLO161I {CONTROL-O | CTMCMEM} SELECTOR ENDED

Explanation: This information message indicates normal termination of the Control-O Selector task that controls the runtime selection criteria for rules.

Corrective Action: No action is required.

SLO163S OPEN FAILED FOR DDNAME "DARESF" OR "DASINC"

Explanation: Open of IOA Conditions or Resources file failed (the DARESF or the DASINC DD statement).

Possible causes are:
- The DARESF DD statement is missing.
- The DASINC DD statement is missing.
- The data set described by the DARESF DD statement is not the IOA Conditions or Resources file.
- The data set described by the DASINC DD statement is not the Control-O Conditions or Resources Synchronization file.
- The data set described by the DARESF DD statement is the Control-O Conditions or Resources file, but it is of a different version or of a different Control-O monitor.
- The volume of this data set cannot be accessed by the Control-O monitor.
- The data set is not on the volume specified in the Control-O procedure.

Control-O monitor shuts down with error message.

Corrective Action: Correct the JCL for the Control-O procedure, and restart the monitor.

SLO164S INTERNAL ERROR PROCESSING RESOURCE FILE FOR CONDITION cond

Explanation: An internal error occurred while the cond condition was being processed. The Control-O monitor is terminated.

Corrective Action: Contact BMC Software Customer Support.

SLO165E COND name date NOT action BY CONTROL-O - SECURITY VIOLATION

Explanation: Control-O issued a DO COND request, but the user is not authorized by the security exit to add or delete this condition in the IOA Conditions file.

The prerequisite condition is not added or deleted.

Corrective Action: Contact your INCONTROL administrator.
SLO166W COND name date NOT UPDATED BY CONTROL-O - NO MORE SPACE. NOTIFY THE IOA ADMINISTRATOR

Explanation: Highlighted, unrollable message.

There is no more space for adding output conditions to the IOA Conditions file. The record for the specified day of the month is full. For example, if a condition with date reference of January 3rd cannot be added, an entry in the conditions file which contains conditions for January 3rd, February 3rd, March 3rd, and so on, is full.

The format for the date specified in this message is mmdd.

The condition is not added. A highlighted message is displayed on the operator console. Control-O or CMEM continues to function, but the rules that depend on the condition may not be triggered.

Corrective Action: Perform the following immediate actions and then perform the long term actions described below.

Immediate actions:
1. Enter the IOA Conditions list (Screen 4).
2. Look for conditions with the same day (but with a different month) as the condition that could not be added. Delete them manually if they are not needed.
3. Add the failing condition manually in order to maintain production flow.
4. Report the event to your System Programmer.

Long term actions:
- Run the IOACLCOND utility more often.
- Increase the record length of the IOA Conditions file. For more information on how to do this, see the description of expanding IOA files in the INCONTROL for z/OS Administrator Guide.

SLO167I COND name date WAS action BY {CONTROL-O | CTMCMEM}

Explanation: This information message displays the results of a Control-O or CMEM DO COND request. The Control-O or CMEM monitor adds/deletes the prerequisite condition.

Corrective Action: No action is required.

SLO168I COND name date ALREADY action

Explanation: This information message indicates that the user requested an action that has already been performed.

The user either tried to add a condition that already exists or tried to delete a condition that had already been deleted.

Corrective Action: No action is required.
SLO169W COND name date NOT ADDED BY {CONTROL-O | CTMCMEM}
GLOBAL DATE ADDITION IS NOT SUPPORTED

**Explanation:** A DO COND statement in a rule requested the addition of the specified condition with date **** or $$$$$. This date specification is valid only when conditions are being deleted.

The DO COND request is not performed.

**Corrective Action:** Correct the DO COND statement.

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**SMF messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages SMF0 through SMF0xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**SMF041S SMFWTM RETURNED RC= 4 - SMF RECORD TOO LONG**

**Explanation:** *Highlighted, unrollable message.*

Control-D attempted to write an SMF record which could not fit completely in an SMF data set.

The user modified Control-D Exit CTDX006, but moved an incorrect value to the SMFLEN field (DSECT CTDUSMF). This field contains the length of the SMF record.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, message SMF049I is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Correct the problem in CTDX006, assemble and link-edit this exit, and bring down Control-D. When Control-D is brought up again, SMF recording will resume.

**SMF042S SMFWTM RETURNED RC= 8 - SMF RECORD TOO SHORT**

**Explanation:** *Highlighted, unrollable message.*

Control-D attempted to write an SMF record which is smaller than 18 characters long.

The user modified the Control-D Exit CTDX006, but moved an incorrect value to the SMFLEN field (DSECT CTDUSMF). This field contains the length of the SMF record.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, message SMF049I is written to the Control-D log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Correct the problem in CTDX006, assemble and link-edit this exit, and bring down Control-D. When Control-D is brought up again, SMF recording will resume.
SMF043S SMFWTM RETURNED RC= 16 - SMF IS NOT ACTIVE

**Explanation:** *Highlighted, unrollable message.*

Control-D attempted to write an SMF record, but SMF is not active.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, the message SMF049I is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Initiate SMF recording, then bring down Control-D. When Control-D is brought up again, SMF recording will resume.

SMF044S SMFWTM RETURNED RC= 20 - SMF EXIT IEFU83 SUPPRESSED THE RECORD

**Explanation:** *Highlighted, unrollable message.*

Control-D attempted to write an SMF record, but SMF exit IEFU83 suppressed the record.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, message SMF049I is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Correct SMF exit IEFU83 to allow Control-D to write SMF records. When Control-D is brought up again, SMF records will resume.

SMF045S SMFWTM RETURNED RC= 24 - THE SMF FILES ARE FULL

**Explanation:** *Highlighted, unrollable message.*

Control-D attempted to write an SMF record, but the SMF files are full.

The SMF record is not written, but Control-D continues processing. Control-D will write message SMF049I to the IOA Log file. This log message is a replacement for SMF recording, and can be entered into SMF later.

Control-D will keep attempting to write to the SMF file. If the SMF file is still full, message SMF049I will be written to the log.

Please note that Control-D does not have to be taken down. As soon as room is found on an SMF file, SMF recording will take place automatically.

**Corrective Action:** The operator should clear SMF files according to the conventions of the site. As soon as this is done, Control-D will automatically continue with SMF recording.

SMF046S INTERNAL PROBLEM IN MVS. SMF RECORD NOT WRITTEN

**Explanation:** *Highlighted, unrollable message.*

Control-D attempted to write an SMF record, but there is an internal problem in MVS.
This is due to one of the following return codes from MVS:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>Record is not currently being recorded.</td>
</tr>
<tr>
<td>40</td>
<td>Buffer storage caused data to be lost.</td>
</tr>
<tr>
<td>44</td>
<td>SVC 83 unable to establish recovery.</td>
</tr>
</tbody>
</table>

Refer to message SMF047S for the return code.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, message SMF049I is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Call the system programmer. After the problem is fixed by the system programmer, bring down Control-D. When Control-D is brought up again, SMF recording will resume.

**SMF047S RC=rc RECEIVED FROM MACRO SMFWTM**

**Explanation:** Highlighted, unrollable message.

Control-D is unable to write SMF records. Possible causes are:

- Message SMF046S was issued. This message specifies the RC returned by SMF.
- An unknown return code was issued by SMF. This message specifies the RC returned by SMF.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, message SMF049I is written to the Control-D log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Call the INCONTROL administrator.

**SMF048S CONTROL-D SMF RECORDING IS TERMINATED - PLEASE TAKE CORRECTIVE ACTION**

**Explanation:** Highlighted, unrollable message.

Control-D is unable to write SMF records.

This message is issued whenever a permanent error is present on SMF recording. This message is issued for messages SMF041S through SMF050S.

The SMF record is not written, but Control-D continues processing.

**Corrective Action:** Refer to messages SMF041S through SMF050S.

**SMF049I USER=user ODATE=date COP=#copies P=#pages L=#lines**

**Explanation:** If STAT is set to Y in CTDPARM, this information message is issued when a Printing Mission prints a report.
date is in either mmdd or ddmm format, depending on the site standard.

- # copies - the number of copies to produce for this report.
- # pages - the number of pages in this report.
- # lines - the number of lines in this report.

**Corrective Action:** No action is required.

**SMF050S INVALID VALUE value IN THE INSTALLATION PARAMETER "SMF"**

**Explanation:** Highlighted, unrollable message.

Control-D attempted to write an SMF record, but an invalid value is present on the SMF field in CTDPARM. The SMF field in CTDPARM can contain the following values:

- Character string, length of three, value NO.
- A 3-digit number, value 128 through 255.

The SMF record is not written, but Control-D continues processing. Control-D sets an internal indication that a permanent error is present on SMF recording, and will not continue to attempt SMF recording. From this point on, instead of writing to SMF, message SMF049I is written to the IOA Log. This log message is a replacement for SMF recording, and can be entered into SMF after the problem is fixed.

**Corrective Action:** Call your INCONTROL administrator.

**SNM messages**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**Messages SNMA00 through SNMAxx**

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SNMA01W LENGTH OF SNMP MESSAGE EXCEEDED ALLOWED MAXIMUM(70), MESSAGE TRUNCATED**

**Explanation:** An attempt was made to send an SNMP message the length of which exceeded the permitted maximum.

The length of an SNMP message must not exceed 70 characters.

The problematic SNMP message is truncated. Processing continues.

**Corrective Action:** Correct the rule that created the problematic message.

**SNMA02E INVALID IP ADDRESS SPECIFIED IN HOST PARAMETER: ipAdd.**

**Explanation:** The SNMP interface encountered a syntax error in the IP address specified in the HOST parameter.
In this message, _ipAdd_ is the identity of the problematic IP address.

The entry in the SNMP Destination table that contains the invalid IP address is disabled. Processing continues.

**Corrective Action:** Correct the problematic IP address in the SNMP Destination table and issue a NEWSNMPDST modify command.

**SNMA03S FAILURE TO READ SNMP DESTINATION TABLE, RC( _rc_ ) REASON( _rsn_ )**

**Explanation:** A severe error occurred when the SNMP interface was trying to read the SNMP Destination table from the IOA PARM library.

The variables in this message are:

- _rc_ - the return code that indicates the nature of the failure
- _rsn_ - a reason code that provides more information about the failure

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

**SNMA04S INSUFFICIENT MEMORY TO READ SNMP DESTINATION TABLE**

**Explanation:** A severe error occurred when the SNMP interface was trying to read the SNMP Destination table from the IOA PARM library.

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

**SNMA06E FAILURE TO RECOGNIZE THE LINE**

**Explanation:** The SNMP interface failed to recognize a line in the SNMP Destination table. The sequential number of the problematic line is identified in the SNMA0NI message that precedes this SNMA06E message.

The problematic line in the SNMP Destination table is ignored. Processing continues.

**Corrective Action:** Correct the problematic line in the SNMP Destination table and issue a NEWSNMPDST modify command.

**SNMA07S SNMP DESTINATION TABLE IS EMPTY**

**Explanation:** The SNMP interface discovered that the SNMP Destination table does not contain any lines.

SNMP interface processing is discontinued.

**Corrective Action:** Fill the SNMP Destination table by adding lines and issue a NEWSNMPDST modify command.

**SNMA09I SNMP DESTINATION TABLE processed result**

**Explanation:** The SNMP interface successfully read and processed the SNMP Destination table.

The variables in this message are:
processed - the type of action Valid values are:
- PROCESSED - The SNMP Destination table was read and processed when the SNMP interface was called for the first time.
- REFRESHED - The SNMP Destination table was successfully refreshed in memory when the NEWSNMPDST Modify command was issued.

result - the result of the processing Valid values are:
- SUCCESSFULLY - The SNMP Destination table was read and processed successfully.
- WITH ERRORS - Errors were encountered during the reading or processing of the SNMP Destination table.

Corrective Action: No action is required.

SNMA0AE FAILURE TO PROCESS SNMP DESTINATION TABLE, RC(rc) REASON(rsn)

Explanation: The SNMP interface failed to process the SNMP Destination table.
The variables in this message are:
- rc - the return code that indicates the nature of the failure
- rsn - a reason code that provides more information about the failure

SNMP interface processing is discontinued.
Corrective Action: Correct the SNMP Destination table and issue a NEWSNMPDST modify command.

SNMA0BE COMMA SHOULD NOT PRECEDE STATEMENT(HOST) IN A GROUP

Explanation: The SNMP interface encountered a syntax error while processing the SNMP Destination table. The sequential number of the problematic line is identified in the SNMA0NI message that precedes this SNMA0BE message.
The entry in the SNMP Destination table identified in the SNMA0NI message is ignored. Processing continues.
Corrective Action: Correct the identified entry in the SNMP Destination table, and issue a NEWSNMPDST modify command.

SNMA0CE COMMA MUST PRECEDE DEFINITION(PORT)

Explanation: The SNMP interface encountered a syntax error while processing the SNMP Destination table. The sequential number of the problematic line is identified in the SNMA0NI message that precedes this SNMA0BE message.
The PORT definition can only be used together with the HOST definition.
The entry in the SNMP Destination table identified in the SNMA0NI message is ignored. Processing continues.
Corrective Action: Correct the SNMP Destination table entry identified in the SNMA0NI message, and issue a NEWSNMPDST modify command.
SNMA0DE PARAMETER(\textit{parm}) IS INVALID, ENTRY DISABLED

\textbf{Explanation:} An error was found in the \textit{parm} parameter of the SNMP Destination table. The sequential number of the problematic line is identified in the SNMA0NI message that precedes this SNMA0DE message.

In this message, valid values for \textit{parm} are:

- \texttt{PORT}
- \texttt{HOST}

The entry in the SNMP Destination table identified in the SNMA0NI message is ignored. Processing continues.

\textbf{Corrective Action:} Correct the identified entry in the SNMP Destination table, and issue a NEWSNMPDST modify command.

SNMA0EE UNDEFINED NICK=\textit{nick} SPECIFIED IN GROUP=\textit{grp}, ENTRY DISABLED

\textbf{Explanation:} A group of recipients in the SNMP Destination table refers to a nickname statement that is not defined in the nicknames section of the Destination Table.

The variables in this message are:

- \texttt{nick} - the undefined nickname
- \texttt{grp} - the name of the group that contains \texttt{nick}

The entry in the SNMP Destination table that contains \texttt{grp} is ignored. Processing continues.

\textbf{Corrective Action:} Correct the problematic entry in the SNMP Destination table, and issue a NEWSNMPDST modify command.

SNMA0FE INVALID HOST VALUE SPECIFIED IN \textit{defn}=\textit{host_val}, ENTRY DISABLED

\textbf{Explanation:} An invalid HOST value was discovered in the definition identified in the message.

The variables in this message are:

- \texttt{defn} - the identity of the definition that contains the invalid HOST value
  - \texttt{NICK}
  - \texttt{GROUP}
- \texttt{host_val} - the invalid HOST value

The entry in the SNMP Destination table that contains the invalid HOST value is ignored. Processing continues.

\textbf{Corrective Action:} Correct the problematic HOST value and issue a NEWSNMPDST modify command.

SNMA0GE \textit{stmt} STATEMENT BELONGS TO NEITHER NICK NOR GROUP

\textbf{Explanation:} The identified statement in the SNMP Destination table is not a NICK statement, nor does it belong to any group.
In this message, stmt is the problematic statement. Valid values are:

- HOST
- PORT

The identified entry in the SNMP Destination table is disabled. Processing continues.

**Corrective Action:** Correct the identified entry in the SNMP Destination table and issue a NEWSNMPDST modify command.

**SNMA0HE NICK STATEMENT MUST CONTAIN HOST DEFINITION, ENTRY DISABLED**

**Explanation:** The identified NICK statement in the SNMP Destination table does not contain a HOST definition.

A NICK statement in a SNMP Destination table must contain a HOST definition.

The identified entry in the SNMP Destination table is disabled. Processing continues.

**Corrective Action:** Correct the identified entry in the SNMP Destination table and issue a NEWSNMPDST modify command.

**SNMA0LS MODE=mode CALL CAN BE ISSUED AFTER MODE=INIT ONLY**

**Explanation:** The SNMP interface encountered a severe internal error.

In this message, mode is the mode of the invalid call that was found. Valid values are:

- SEND
- LOAD
- CLOSE

SNMP interface processing is discontinued.

**Corrective Action:** Note the value of mode and contact BMC Software Customer Support.

**SNMA0MS INSUFFICIENT MEMORY(mem_size), FAILURE TO GETMAIN area**

**Explanation:** The SNMP interface failed to acquire the storage necessary to create an area in memory of the size requested.

The variables in this message are:

- `mem_size` - the requested size of area
- `area` - the name of the requested area in memory

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.
SNMA0NI ERROR DETECTED IN SNMP DESTINATION TABLE, LINE=lineNum

**Explanation:** This message precedes other messages, and identifies by number the line in which an error was detected.

In this message, lineNum is the number of the problematic line.

**Corrective Action:** Correct the problematic line in the SNMP Destination table, and issue a NEWSNMPDST modify command.

SNMA000S FAILURE TO LOAD MODULE(modName)

**Explanation:** The SNMP interface encountered a severe error. The specified load module was not found in the IOA LOAD library.

In this message, modName is the name of the load module that could not be loaded.

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

SNMA0PS INTERNAL ERROR, INVALID OR MISSING MCT ADDRESS

**Explanation:** The SNMP interface encountered a severe internal error.

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

SNMA0QS INTERNAL ERROR, INVALID OR MISSING SNMV ADDRESS

**Explanation:** The SNMP interface encountered a severe internal error.

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

SNMA0RS FAILURE TO REFRESH SNMP DESTINATION TABLE

**Explanation:** The SNMP interface encountered a severe internal error.

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

SNMA0SS SNMP DESTINATION TABLE IS UNAVAILABLE

**Explanation:** The SNMP interface encountered a severe internal error.

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

SNMA0TS IOASNMC failed, SNMV vector is not initialized

**Explanation:** The SNMP interface encountered a severe internal error.
INCONTROL for z/OS Messages Manual

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

**SNMA0UW INVALID PORT VALUE SPECIFIED, DEFAULT 162 IS USED**

**Explanation:** An invalid port number was specified in the SNMP Destination table. The default SNMP trap port number, 162, is assigned instead of the invalid port number.

**Corrective Action:** Correct the line in the SNMP Destination table that contains the problematic port number, and issue a NEWSNMPDST modify command.

**SNMA0WS MISSING SNMP MESSAGE LENGTH**

**Explanation:** The SNMP interface encountered a severe internal error. SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

**SNMA0XS SNMP MESSAGE WAS NOT SPECIFIED**

**Explanation:** The SNMP interface encountered a severe internal error. SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

**SNMA0YS INTERNAL ERROR, INVALID OR MISSING MCT ADDRESS**

**Explanation:** The SNMP interface encountered a severe internal error. SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

**SNMA0ZS INTERNAL ERROR, INVALID OR MISSING SNMV ADDRESS**

**Explanation:** The SNMP interface encountered a severe internal error. SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

Messages SNMT00 through SNMTxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SNMT01S FAILURE TO SEND SNMP TRAP, TCP/IP STACK stack UNAVAILABLE**

**Explanation:** ISTACK parameter was specified in the IOAPARM member and the system has TCP/IP dual stack mode, but the specified stack is not running.

The message reappears every time Control-O or Control-M attempt to send an SNMP message.
Corrective Action: Either bring up the started task named 'stack', or remove the ISTACK parameter from IOAPARM and recycle Control-M, or start a new Control-O monitor.

SNMT02S INTERNAL ERROR: FAILURE TO BUILD SNMP TRAP, DESTINATION(dest)
Explanation: The SNMP interface encountered a severe internal error.
In this message, dest is the identity of the SNMP listener to which the SNMP interface was to send the SNMP message that failed when being built.
SNMP interface processing is discontinued.
Corrective Action: Contact BMC Software Customer Support.

SNMT03S FAILURE TO ALLOCATE STORAGE FOR SNMP TRAP, DESTINATION(dest)
Explanation: The SNMP interface encountered a severe internal error.
In this message, dest is the identity of the SNMP destination to which the SNMP interface was to send the SNMP message that failed when being built.
SNMP interface processing is discontinued.
Corrective Action: Contact BMC Software Customer Support.

SNMT06E FAILURE TO OBTAIN LOCAL IP ADDRESS, ERRNO(errno.errno_id)
Explanation: The SNMP interface failed to determine the IP address of the sending machine.
The variables in this message are:
- errno - the name of the internal TCP/IP event. For a description of possible values of errno, refer to the appropriate TCP/IP vendor documentation.
- errno_id - the numeric identity of the internal TCP/IP event. For a description of possible values of errno_id, refer to the appropriate TCP/IP vendor documentation.
SNMP interface processing is discontinued.
Corrective Action: Note the value of errno and errno_id, and contact BMC Software Customer Support.

SNMT07S SOCKET() CALL FAILED, DESTINATION(dest) ERRNO(errno.errno_id)
Explanation: The SNMP interface encountered a severe internal error.
The variables in this message are:
**SNMT08E**: FAILURE TO SEND SNMP TRAP TO DESTINATION(*dest*), ERRNO(*errno.errno_id*)

**Explanation**: The SNMP interface failed to send an SNMP message. The variables in this message are:

- *dest* - the identity of the SNMP destination to which the SNMP interface failed to send the message.
- *errno* - the name of the internal TCP/IP event. For a description of possible values of *errno*, refer to the appropriate TCP/IP vendor documentation.
- *errno_id* - the numeric identity of the internal TCP/IP event. For a description of possible values of *errno_id*, refer to the appropriate TCP/IP vendor documentation.

SNMP interface processing is discontinued.

**Corrective Action**: Note the value of *dest*, *errno*, and *errno_id*, and contact BMC Software Customer Support.

**SNMT09E**: FAILURE TO RESOLVE HOSTNAME(*hostname*)

**Explanation**: The SNMP interface failed to resolve the host name *hostname*. *hostname* is the identity of the SNMP destination.

SNMP interface processing is discontinued.

**Corrective Action**: Contact BMC Software Customer Support.

**SNMT0AE**: INVALID IPV6 SNMP DESTINATION ADDRESS *address*

**Explanation**: The destination address of a DO SHOUT SNMP or DO SNMP contains the colon (:) character, but the address is not a syntactically valid IPv6 address.

**Corrective Action**: Correct the address. If you specified an IPv4-mapped IPv6 address, change it to an IPv4 address. See message ECAP9UE for more examples.

**SNMT0BE**: IPV6 NOT ACTIVE ON SYSTEM

**Explanation**: The destination address of a DO SHOUT SNMP or DO SNMP contains the colon (:) character, but TCP/IP IPv6 support is not active on the z/OS system.

**Corrective Action**: If IPv6 is not active, then specify only IPv4 addresses.
SNMT10S BIND() CALL FAILED, SNMP-MASTER-AGENT( hostname) ERRNO( errno.errno_id)

Explanation: The SNMP interface failed in the BIND() call.

- **errno** - the name of the internal TCP/IP event. For a description of possible values of **errno**, refer to the appropriate TCP/IP vendor documentation.
- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of **errno_id**, refer to the appropriate TCP/IP vendor documentation.
- **hostname** - the hostname of the SNMP Master Agent

SNMP interface processing is discontinued.

Corrective Action: Note the value of **hostname**, **errno**, and **errno_id**, and contact BMC Software Customer Support.

SNMT11S SNMP-DPI PORT-QUERY SEND FAILED TO SNMP-MASTER-AGENT( hostname) ERRNO( errno.errno_id)

Explanation: The SNMP interface failed in the SENDTO() call to the SNMP Master Agent. This call includes the QUERY_DPI_PORT request, which gives in the reply the port on which the Master SNMP Agent listens for connections.

- **errno** - the name of the internal TCP/IP event. For a description of possible values of **errno**, refer to the appropriate TCP/IP vendor documentation.
- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of **errno_id**, refer to the appropriate TCP/IP vendor documentation.
- **hostname** - the hostname of the SNMP Master Agent

SNMP interface processing is discontinued.

Corrective Action: Note the value of **hostname**, **errno**, and **errno_id**, and contact BMC Software Customer Support.

SNMT12S RECVFROM() CALL FAILED, SNMP-MASTER-AGENT( hostname) ERRNO( errno.errno_id)

Explanation: The SNMP interface failed in the RECVFROM() call to the SNMP Master Agent. This call receives the reply to the QUERY_DPI_PORT request, which gives in the reply, the port on which the Master SNMP Agent listens for connections.

- **errno** - the name of the internal TCP/IP event. For a description of possible values of **errno**, refer to the appropriate TCP/IP vendor documentation.
- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of **errno_id**, refer to the appropriate TCP/IP vendor documentation.
- **hostname** - the hostname of the SNMP Master Agent

SNMP interface processing is discontinued.
Corrective Action: Note the value of hostname, errno, and errno_id, and contact BMC Software Customer Support.

SNMT13S NO REPLY TO SNMP-DPI PORT-QUERY FROM SNMP-MASTER-AGENT(hostname), PORT(udp-port)

Explanation: The SNMP interface did not receive, within 3 seconds, a reply to the QUERY_DPI_PORT request, which gives the port on which the Master SNMP Agent listens for TCP/IP connections.

- udp-port - the UDP port on which the SNMP Master Agent receives PORT-QUERY requests, which gives the port on which the Master SNMP Agent listens for TCP/IP connections.
- hostname - the hostname of the SNMP Master Agent

SNMP interface processing is discontinued.

Corrective Action: Note the value of hostname and udp-port, and contact BMC Software Customer Support.

SNMT14S COULD NOT RESOLVE SNMP-MASTER-AGENT(hostname)

Explanation: The SNMP interface failed to resolve the hostname hostname. In this message, hostname is the identity of the SNMP Master Agent host.

SNMP interface processing is discontinued.

Corrective Action: Contact BMC Software Customer Support.

SNMT15S INVALID SNMP-MASTER-AGENT IP ADDRESS(ip_address)

Explanation: The SNMP interface could not use the configured IP address of the SNMP Master Agent because it is an invalid IP address.

- ip_address - the IP address of the SNMP Master Agent.

SNMP interface processing is discontinued.

Corrective Action: Configure a valid IP address.

SNMT16S SOCKET(SOCK_STREAM) FAILED, ERRNO(errno.errno_id)

Explanation: The SNMP interface failed in the SOCKET() call.

- errno - the name of the internal TCP/IP event. For a description of possible values of errno, refer to the appropriate TCP/IP vendor documentation.
- errno_id - the numeric identity of the internal TCP/IP event. For a description of possible values of errno_id, refer to the appropriate TCP/IP vendor documentation.

SNMP interface processing is discontinued.

Corrective Action: Note the value of errno and errno_id, and contact BMC Software Customer Support.
INCONTROL for z/OS Messages Manual

SNMT17S IOCTL(FIONBIO) FAILED, ERRNO(errno.errno_id)

Explanation: The SNMP interface failed in the IOCTL() call, which attempted to set the socket to non-blocking.

- **errno** - the name of the internal TCP/IP event. For a description of possible values of `errno`, refer to the appropriate TCP/IP vendor documentation.
- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of `errno_id`, refer to the appropriate TCP/IP vendor documentation.

SNMP interface processing is discontinued.

Corrective Action: Note the value of `errno` and `errno_id`, and contact BMC Software Customer Support.

SNMT18S SELECT() FAILED, ERRNO(errno.errno_id)

Explanation: The SNMP interface failed in the SELECT() call.

- **errno** - the name of the internal TCP/IP event. For a description of possible values of `errno`, refer to the appropriate TCP/IP vendor documentation.
- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of `errno_id`, refer to the appropriate TCP/IP vendor documentation.

SNMP interface processing is discontinued.

Corrective Action: Note the value of `errno` and `errno_id`, and contact BMC Software Customer Support.

SNMT19S CONNECT() TO SNMP-MASTER-AGENT FAILED, ERRNO(errno.errno_id)

Explanation: The SNMP interface failed in the CONNECT() call to the SNMP Master Agent.

- **errno** - the name of the internal TCP/IP event. For a description of possible values of `errno`, refer to the appropriate TCP/IP vendor documentation.
- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of `errno_id`, refer to the appropriate TCP/IP vendor documentation.

SNMP interface processing is discontinued.

Corrective Action: Note the value of `errno` and `errno_id`, and contact BMC Software Customer Support.

SNMT20S CONNECT() TO SNMP-MASTER-AGENT TIMEDOUT

Explanation: The SNMP interface CONNECT() call to the SNMP Master Agent timed out.

SNMP interface processing is discontinued.

Corrective Action: Contact BMC Software Customer Support.
SNMT21S SEND() DPI TO SNMP-MASTER-AGENT FAILED, ERRNO(errno.errno_id)

**Explanation:** The SNMP interface failed in the SEND() call to the SNMP Master Agent.

- **errno** - the name of the internal TCP/IP event. For a description of possible values of errno, refer to the appropriate TCP/IP vendor documentation.
- **errno_id** - the numeric identity of the internal TCP/IP event. For a description of possible values of errno_id, refer to the appropriate TCP/IP vendor documentation.

SNMP interface processing is discontinued.

**Corrective Action:** Note the value of errno and errno_id, and contact BMC Software Customer Support.

SNMT22S CONNECTION TO SNMP-MASTER-AGENT LOST

**Explanation:** The SNMP interface detected that the connection to the SNMP Master Agent has been lost. SNMP interface tries to re-establish connection with the SNMP Master Agent.

**Corrective Action:** No action is required.

SNMT23S UNEXPECTED RESPONSE FROM SNMP-MASTER-AGENT TO DPI PORT QUERY

**Explanation:** The SNMP interface received an un-recognized response from the SNMP Master Agent to the QUERY_DPI_PORT request.

SNMP interface processing is discontinued.

**Corrective Action:** Contact BMC Software Customer Support.

SNMT24I CONNECTION ESTABLISHED WITH SNMP-MASTER-AGENT ON HOST(hostname) PORT(port)

**Explanation:** The SNMP interface established a TCP/IP connection with the SNMP Master Agent.

- **hostname** - the hostname of the SNMP Master Agent
- **port** - the TCP/IP port of the SNMP Master Agent

**Corrective Action:** No action is required.

SPG messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
Messages SPG0 through SPG0xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

SPG008E INTERNAL ERROR - SPGB PARAMETER ADDRESS IS ZERO

**Explanation:** While a report was being viewed online during processing of the SPAGE command, an internal error occurred. The SPGB parameter address was found to be 0.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG012E UNABLE TO OBTAIN STORAGE FOR INITIAL SPAGE BLOCK

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. Storage could not be obtained for the initial SPAGE block.

The SPAGE command is not processed.

**Corrective Action:** Increase the region size and retry the SPAGE command.

SPG016E UNABLE TO OBTAIN PROGRAM WORK AREA STORAGE

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. Storage could not be obtained for the program work area.

The SPAGE command is not processed.

**Corrective Action:** Increase the region size and retry the SPAGE command.

SPG020E INTERNAL ERROR - REPORT RECORD PARAMETER ADDRESS IS ZERO

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The RECORD parameter address was found to be 0.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
all the messages in the IOA log that relate to the report that was being viewed when the error occurred

your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG024E SECURITY EXIT DENIED ACCESS TO THE SPAGE COMMAND

**Explanation:** You are not authorized to use the SPAGE command.

The SPAGE command is not processed.

**Corrective Action:** Notify your INCONTROL administrator.

SPG028E UNABLE TO RELEASE EXCESS STORAGE OF EXISTING SPAGE BLOCK

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The excess storage of the existing space block could not be released.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG032E UNABLE TO OBTAIN STORAGE FOR EXTENDED SIZE SPAGE BLOCK

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The excess storage of the extended size space block could not be released.

The SPAGE command is not processed.

**Corrective Action:** Increase the region size and retry the command.

SPG036E UNABLE TO RELEASE STORAGE OF COPIED SPAGE BLOCK

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The excess storage of the copied space block could not be released.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
INCONTROL for z/OS Messages Manual

- the IOA products that are installed at your site
- all the messages in the IOA log that relate to the report that was being viewed when the error occurred
- your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG040E  INTERNAL ERROR - FUNCTION ID PARAMETER ADDRESS IS ZERO

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The function ID parameter address was found to be 0.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG044E  INTERNAL ERROR - FUNCTION ID CODE IS INVALID

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The function ID code was found to be invalid.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG048E  INTERNAL ERROR - WORD COUNT PARAMETER ADDRESS IS ZERO

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The WORD COUNT parameter address was found to be 0.

The SPAGE command is not processed.
Corrective Action: Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible
2. Contact BMC Software Customer Support.

SPG052E I NTERNAL ERROR - CURRENT PAGE PARAMETER ADDRESS IS ZERO

Explanation: An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The CURRENT PAGE parameter address was found to be 0.

The SPAGE command is not processed.

Corrective Action: Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible
2. Contact BMC Software Customer Support.

SPG056 E PARAMETER NOT RECOGNIZED - CORRECT THE COMMAND AND TRY AGAIN

Explanation: While a report was being viewed on line during processing of the SPAGE command, a parameter was not recognized.

The SPAGE command is not processed.

Corrective Action: Correct the parameter in the command and retry the command.

SPG060 E I NTERNAL ERROR - WORD LIST PARAMETER ADDRESS IS ZERO

Explanation: An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The WORD LIST parameter address was found to be 0.

The SPAGE command is not processed.

Corrective Action: Do the following:

1. Record the following information:
   - the text of this message
the IOA products that are installed at your site
all the messages in the IOA log that relate to the report that was being viewed when the error occurred
your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG064E  INVALID PARAMETER LENGTH - CORRECT THE COMMAND AND TRY AGAIN

Explanation: While a report was being viewed on line during processing of the SPAGE command, the length of a parameter was found to be invalid.
The SPAGE command is not processed.
Corrective Action: Correct the length of the problematic parameter and retry the command.

SPG068E  INVALID PAGE NUMBER - SPECIFY A NUMBER FROM 1 TO 99999999

Explanation: While a report was being viewed on line during processing of the SPAGE command, the number of a page was found to be invalid.
Page numbers in the SPAGE command must be in the range from 1 through 99999999.
The SPAGE command is not processed.
Corrective Action: Correct the problematic page number and retry the command.

SPG072E  START PAGE NUMBER MUST BE SPECIFIED BEFORE END PAGE NUMBER

Explanation: While a report was being viewed on line during processing of the SPAGE command, the number of the end page was found to have been specified before the number of the start page.
In the SPAGE command, the start page number must appear before the end page number.
The SPAGE command is not processed.
Corrective Action: Correct the problematic page number and retry the command.

SPG076E  START PAGE NUMBER MUST NOT BE GREATER THAN END PAGE NUMBER

Explanation: While a report was being viewed on line during processing of the SPAGE command, the specified start page number was found to be greater than the specified end page number.
In the SPAGE command, the start page number must be less than the end page number.
The SPAGE command is not processed.
Corrective Action: Correct the problematic page number and retry the command.
SPG080E  INTERNAL ERROR - SECURITY EXIT CALL ROUTINE ADDRESS IS ZERO

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The security exit call routine address was found to be 0.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG084E  INTERNAL ERROR - SECURITY EXIT FUNCTION ID ADDRESS IS ZERO

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The security exit function ID address was found to be 0.

The SPAGE command is not processed.

**Corrective Action:** Do the following:

1. Record the following information:
   - the text of this message
   - the IOA products that are installed at your site
   - all the messages in the IOA log that relate to the report that was being viewed when the error occurred
   - your actions while the report was being viewed, reconstructed as far as possible

2. Contact BMC Software Customer Support.

SPG088E  START PAGE NUMBER GREATER THAN NUMBER OF PAGES IN THE REPORT

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command. The specified start page number was found to be greater than the number of pages in the report.

The SPAGE command is not processed.

**Corrective Action:** Correct the problematic page number and retry the command.
INCONTROL for z/OS Messages Manual

SPG092E INTERNAL ERROR - SPAGE COMMAND IS NOT SUPPORTED FOR $SYSDATA RECORDS

**Explanation:** An internal error occurred while a report was being viewed on line during processing of the SPAGE command.

The SPAGE command does not support $SYSDATA records.

The SPAGE command is not processed.

**Corrective Action:** Exit from the $SYSDATA record, reenter a User record, and retry the SPAGE command.

SPY messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages SPY100 through SPY1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

SPY1A0I JOB jobName OID=orderId JOBID CHANGED FROM jobId1 TO jobId2

**Explanation:** This information message indicates that an NJE job was given a new JES job ID.

NJE jobs are sometimes given a new JES job ID which is different than the original one, because the original job id has been taken by another job, or by a spin-off data set of the same job.

The JES job ID of the job is updated to reflect the change.

**Corrective Action:** No action is required.

Messages SPY200 through SPY2xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

SPY250I CONTROL-M IS TERMINATING. TERMINATION SHOULD BE COMPLETED IN LESS THAN TWO MINUTES

**Explanation:** Highlighted, unrollable message.

This information message indicates that the Control-M monitor is about to shut down because of an internal problem. Due to a unique situation, the termination process may take longer than usual.

Control-M monitor will shut down after approximately one minute.
Corrective Action: Do not cancel the Control-M monitor. If it does not shut down after 5 minutes, cancel it with DUMP, prepare the Control-M monitor full output, and notify BMC Customer Support. Find out why the Control-M monitor shut down and start it again as soon as possible.

SPY251I  SPY STARTED
Explanation: This information message is generated when the Control-M monitor internal SPY task is started.
Corrective Action: No action is required.

SPY252S  taskType memName jobName /jobId OID=orderId SEVERE INTERNAL ERROR
Explanation: Severe Control-M monitor internal error while processing the above mentioned job order. Control-M monitor will abend with user code 0006. The internal task CTMSPY will abend with user code 0040.
Corrective Action: Control-M Log should contain additional messages describing the type of error.

SPY253E  taskType memName jobName /jobId OID=orderId NOT FOUND IN QUEUE num TIMES
Explanation: Control-M monitor searched number times but did not find the job in the JES queue.
Possible causes are:
- Someone has purged the job (before, during or after execution).
- The user tried to activate a started task that does not exist in the Procedures library.
- The user activated a started task, but the JES parameter STCMCLAS is directed to a non-print output class. See the section on Started Tasks in the Control-M Installation Considerations section in the INCONTROL for z/OS Installation Guide.
- The job/STC has been sent to another NJE node while the Control-M NJE option has not been installed.
- The jobs output has been read by an external writer before the Control-M monitor has managed to read it. See the section on the Control-M Operational Parameter - HLDCLAS, in the INCONTROL for z/OS Installation Guide.

The job will finish with status Disappeared. The event code is JLOST.
Corrective Action: Check the reason for the disappearance of the job/STC and correct it. Make sure that no-one purges the output of Control-M jobs. (Only cancel commands should be allowed.)

SPY254I  taskType memName jobName /jobId OID=orderId SEVERE SCANNED
Explanation: This information message is generated when the Control-M monitor finishes processing the job’s output.
Corrective Action: No action is required.
SPY255S taskType memName jobName /jobId OID=orderId CONTROL-M SHUTTING DOWN - SEVERE ERROR WHILE PROCESSING JOB SYSOUT

**Explanation:** Highlighted, unrollable message.

Control-M monitor had a severe error while reading the output of the job and is shutting down.
Control-M monitor will shut down.

**Corrective Action:** Check the contents of the IOA Log for prior messages that will clarify the picture. If you cannot correct the reason, and whenever you start the Control-M monitor, the monitor shuts down again for the same reason, then enter screen 3 of the Online Facility and hold the job order. Prepare the Control-M monitor full output and contact BMC Customer Support.

SPY256S taskType memName jobName /jobId OID=orderId CONTROL-M SHUTTING DOWN - COMMUNICATION TO "JES" NOT AVAILABLE

**Explanation:** Highlighted, unrollable message.

The Control-M monitor detected some problem in communication to JES, and shuts down as a precaution. The Control-M monitor is usually one of the first components of the computer environment to detect problems in JES operation. Usually this is because JES was brought down, or is about to get stuck because of an internal JES problem.
The Control-M monitor will shut down.

**Corrective Action:** Correct the JES problem and restart the Control-M monitor.

SPY257E taskType memName jobName /jobId OID=orderId DISAPPEARED BECAUSE OF CONTROL-M SHUT DOWN

**Explanation:** A started task had been started by the Control-M monitor, but had not yet been assigned a job number by the JES, when the Control-M monitor was forced to shut down. When the Control-M monitor was brought up, it considered the output as lost.
The status of the started task will be Disappeared.

**Corrective Action:** Check very carefully. Maybe the started task did run while the Control-M monitor was down. If so, you have to notify Control-M manually of the results.

SPY258S taskType memName jobName/blank OID=orderId INSUFFICIENT MEMORY FOR CONTROL-M MONITOR

**Explanation:** Highlighted, unrollable message.

Insufficient memory for Control-M monitor to trace a started task.
The started task has just been initiated by the Control-M monitor, and the Control-M monitor requires a small work area in order to try to locate the job ID assigned by JES to the started task. Unfortunately, there is insufficient memory for the required work area.
The Control-M monitor will try again after a few seconds (it is possible that memory will be released by other components of the Control-M monitor). Meanwhile, the started task will remain with a STARTED status and the job ID is “blank.” Under severe circumstances of this event, the Control-M monitor may shut down.
Corrective Action: Increase the Control-M monitor region size and start it again. You are working on the limits.

SPY259I SHUT DOWN UPON REQUEST OF MAIN TASK

Explanation: This information message announces the shut down of the Control-M monitor.
Shut down of Control-M internal spy task by a request of Control-M main task.
Control-M monitor will shut down.

Corrective Action: No action is required.

SPY270E taskType memName jobName/jobId OID=orderId SYSOUT action FAILED [FROM=class][DSN=dsn] [SECURITY VIOLATION]

Explanation: A sysout operation on the job’s output has failed. SECURITY VIOLATION is displayed if, during an ARCHIVE attempt, the IOASE32 security module does not allow the allocation of the archive data set specified by DSN=dsn.

The failing action can be:

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELEASE</td>
<td>Release the sysout.</td>
</tr>
<tr>
<td>DELETE</td>
<td>Delete (purge) the sysout.</td>
</tr>
<tr>
<td>NEWCLASS==&gt;class</td>
<td>Change sysout class (to the specified class).</td>
</tr>
<tr>
<td>NEWDEST==&gt;destination</td>
<td>Change sysout destination to the specified destination.</td>
</tr>
<tr>
<td>ARCHIV</td>
<td>Copy the sysout to a data set.</td>
</tr>
</tbody>
</table>

- The FROM= class appears when the sysout operation will be limited to a specified class (not on all the held sysouts).
- The DSN= dsn designates the data set name used for the archiving action.

The sysout operation will not be executed, but it will not affect the finishing status of the job (OK or NOTOK).

Corrective Action: Look for a previous message that will clarify the reason for the failure. You will have to execute the sysout operation manually (until next time).

SPY271E taskType memName jobName/jobId OID=orderId SYSOUT DDNAME "OUT180" OPEN OF DDNAME "OUT180" FAILED

Explanation: Highlighted, unrollable message.
Open of Control-M work data set described by the OUT180 DD statement failed.
This may be due to the following:
The OUT180 DD statement is missing.
The OUT180 DD statement cannot be opened for sequential processing.
The Control-M monitor will shut down with an error message.

**Corrective Action:** Correct the JCL for the Control-M monitor and start it again.

**SPY272E** taskType memName jobName/jobId d OID=orderId INTERNAL STACK CAPACITY OVERFLOW. SEE MESSAGES AND CODES FOR REQUIRED ACTION

**Explanation:** Control-M monitor internal job events stack capacity exceeded.

When Control-M monitor analyzes the job's output, all the execution events such as condition codes, abend codes, user defined codes, and so on, are accumulated in a stack (in memory). For some reason the stack became full, and Control-M monitor cannot finish analyzing the job's results. This can happen because of:

- A loop in user exit CTMX003 (which is capable of adding events to the stack).
- An internal error in the Control-M monitor.

Message SPY278E will be issued. The job will finish with ENDED NOT OK - REASON UNKNOWN status.

**Corrective Action:** Ask your system programmer to check Control-M exit CTMX003. If this does not solve the problem, call BMC Software Customer Support. Keep the sysout of the job causing the problem in hold status so further testing can be carried out.

**SPY273E** taskType memName jobName/jobId d INTERNAL ERROR. RBA=rba INVALID "CODES"- SEE MESSAGES AND CODES FOR REQUIRED ACTION

**Explanation:** Internal error in the operation of Control-M monitor.

Invalid data discovered in the job order which resides in the rba in the Active Jobs file. It can be due to the following:

- A Control-M user exit incorrectly modified the job order.
- Someone incorrectly modified the Active Jobs file.
- A chain of unexpected processing errors occurred prior to this event.
- Internal Control-M monitor error.

SPY278E message will follow, and the job will finish with ENDED NOT OK - REASON UNKNOWN status.

**Corrective Action:** Check the IOA Log. If there are previous severe errors regarding this job, they are probably the cause of the problem. Correct them and the problem should be resolved. Otherwise, have your system programmer call BMC Software Customer Support for assistance. The IOA representative will need a copy of the Active Jobs file.

**SPY275E** OID=orderId NOT CATLGD x ON DSNAME dsn

**Explanation:** A NOT CATLGD 2 (or NOT RECTLGD 2) event has occurred during job execution on data set dsn.
The default of this event is NOTOK for the entire job. The user may specify an ON STEP ANYSTEP CODES *NCT2 DO OK to signify that the event NCT2 (NOT CATLGD 2) is considered OK for this job.

The status of the job will be according to user definition.

**Corrective Action:** No action is required.

**SPY276E** taskType memName jobName/jobId d OID=orderId READING SYSOUT FAILED

**Explanation:** Reading of job’s sysout failed.

Control-M failed to read the job’s output.

The job will finish with status FAILED - REASON UNKNOWN (the event *UKNW).

**Corrective Action:** Check the IOA Log for additional messages which will clarify the reason for the problem.

**SPY277E** taskType memName jobName/jobId d OID=orderId INTERNAL ERROR INVALID SYSOUT OPTION_opt. SEE MESSAGES AND CODES FOR REQUIRED ACTION

**Explanation:** Internal error in the operation of Control-M monitor.

Invalid data discovered in the job order. It can be due to the following:

- Control-M user exit incorrectly modified the job order.
- Someone incorrectly modified the Active Jobs file.
- A chain of unexpected processing errors occurred prior to this event.
- Internal Control-M monitor error.

**Corrective Action:** Check the IOA Log. If there are previous severe errors regarding this job, they are probably the cause of the problem. Correct them and the problem should be resolved. Otherwise, have your system programmer call BMC Software Customer Support for assistance. The IOA representative will need a copy of the Active Jobs file.

**SPY278E** taskType memName jobName/jobId d OID=orderId OUTPUT PROCESSING FAILED

**Explanation:** General message when the processing of the output of the job fails.

The Control-M should contain additional messages concerning the reasons.

Determined by the problem which has caused the failure.

**Corrective Action:** Check the IOA Log for additional messages.

**SPY279I** taskType memName jobName/jobId d OID=orderId SYSOUT action [FROM=class] [DSN=dsn]

**Explanation:** This information message is the result of a successful sysout operation on the job’s sysout.
The sysout operation can be:

<table>
<thead>
<tr>
<th>Operation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELEASED</td>
<td>Release the sysout.</td>
</tr>
<tr>
<td>DELETED</td>
<td>Delete (purge) the sysout.</td>
</tr>
<tr>
<td>NEWCLASS==&gt;class</td>
<td>Change sysout class (to the specified class).</td>
</tr>
<tr>
<td>NEWDEST==&gt;destination</td>
<td>Change sysout destination (to the specified destination).</td>
</tr>
<tr>
<td>ARCHIVED</td>
<td>Copy the sysout to a data set</td>
</tr>
</tbody>
</table>

- The FROM=class will appear when the sysout operation will be limited to a specified class (not on all the held sysouts).
- The DSN=dsn will designate the data set name used for the archiving action.

Corrective Action: No action is required.

**SPY27AI**  
OID=orderId  
CYCLING STOPPED BY "DO STOPCYCL" STATEMENT

Explanation: A DO STOPCYCL statement in a job scheduling definition caused Control-M to stop cycling a job.

Control-M stops initiating the job at regular intervals when it encounters a DO STOPCYCL statement.  
Control-M stops cycling the job and reports the status of the job as OK or NOTOK, depending on the last run of the job.

Corrective Action: To resume cycling of the job, issue a RERUN or RESTART statement for the job from the Active Environment screen.

**SPY27CW**  
step/range stepName.procstepName / stepsRangeNname  
REFERENCED BY "ON PGMST" DOESN'T MATCH ANY STEP IN J CL OF JOB

Explanation: The installation parameter DEFSTEP=Y is specified in the CTMPARM member and the step/range referenced by the ON PGMST statement in the job definition does not match any step in the job's JCL.

The 'Post-Processing Failed' characteristic is added to the job's status in Control-M.

Corrective Action: Check the JCL of job and its corresponding job definition. If one of them was changed, the other one should be corrected accordingly.

**SPY280W**  
taskType memName jobName/jobId OID=orderId  
duser message

Explanation: A user message to the Control-M Log.

The message is created by user exit CTMX003.

The exit is activated during the Control-M sysout scan. If you do not understand the meaning of the message, consult your INCONTROL administrator.
Corrective Action: No action is required.

SPY281I taskType memName jobName/jobId OID=orderId START start_daytime STOP end_daytime CPU nnnn MIN ss SEC SRB nnnn MIN ss SEC elapsed_time initiator_num class systemId user_data

Explanation: This information message displays a statistical record containing job and group execution statistics.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>start_daytime</td>
<td>Start time of the job as Julian date + hour + minutes.</td>
</tr>
<tr>
<td>end_daytime</td>
<td>Termination time of the job as Julian date + hour + minutes.</td>
</tr>
<tr>
<td>CPU</td>
<td>CPU time in minutes and seconds.</td>
</tr>
<tr>
<td>SRB</td>
<td>SRB time in minutes and seconds.</td>
</tr>
</tbody>
</table>

The information described above is taken from the job’s output statistical messages (IEF375I, IEF376I).

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>elapsed-time</td>
<td>Elapsed time in minutes and hundredths of a minute.</td>
</tr>
<tr>
<td>initiator-num</td>
<td>Initiator number</td>
</tr>
<tr>
<td>class</td>
<td>Class in which the job executed.</td>
</tr>
<tr>
<td>systemId</td>
<td>4-character system identifier (where the job executed).</td>
</tr>
<tr>
<td>userData</td>
<td>Statistical information optionally added by user exit CTMX003.</td>
</tr>
</tbody>
</table>

If taskType is GRP, this message represents group execution statistics. However:

- the CPU and SRB times will be zero,
- the elapsed time is the time between the start of the first job in the group entity until the end of the last job in the group entity, and
- the class, initiator_num, systemId and user-data fields will be blank.

Corrective Action: No action is required.

SPY283I taskType memName jobName/jobId OID=orderId RE-QUEUED FOR EXECUTION ON STEP step ($EJ COMMAND)

Explanation: This information message indicates that the job has been requeued for execution by operator command $EJ (JES2) or has been restarted (JES3 message IAT2006).
This message is recorded for each “requeue” (restart) event during the lifetime of the job. It is an informative message.

**Corrective Action:** No action is required.

**SPY287I OID=orderId JOB SYSOUT WAS PURGED SUCCESSFULLY**

**Explanation:** This information message indicates that Control-M cancelled a job submission and purged the job sysout.

During AutoEdit resolution an in-use data set was encountered, such as a `%%INCLUDE` statement specified for a data set that is in use. Control-M purged the job sysout because an attempt will be made to resubmit the job.

Control-M will attempt to resubmit the job.

**Corrective Action:** No action is required.

**SPY288W OID=orderId SUBSYSTEM REQUEST TO PURGE JOB SYSOUT FAILED**

**Explanation:** Control-M cancelled a job submission, but did not manage to purge the job sysout.

During AutoEdit resolution an in-use data set was encountered, such as a `%%INCLUDE` statement specified for a data set that is in use. Control-M tried to purge the job sysout because an attempt will be made to resubmit the job.

Control-M will attempt to resubmit the job.

**Corrective Action:** Manually purge the job sysout for the failed job.

**SPY289E CONTROL-M EXTENDED MCS TRACKING STOPPED. RC=rc**

**Explanation:** Highlighted, unrollable message.

A system error occurred when Control-M monitor attempted an extended MCS console operation. Control-M stops using the extended MCS console.

**Corrective Action:** Check for a preceding system or IOA message related to this message, and proceed accordingly.

**SPY28AE OID=orderId CTMCJ I INTERNAL ERROR. RC=rc, REASON=rsn, JOBID=jobId**

**Explanation:** An internal error occurred when an NJE job with a changed job ID was being processed. The process of the job is aborted.

**Corrective Action:** Call BMC Software Customer Support with the following data: Job SYSDATA files (the first 3 files of the job created by the system), the IOA Log file for that job, and the message text showing the exact RC, REASON and JOBID.
SPY28GI OID=orderid TAPE DRIVE UNITS USED=nn nn nn nn nn nn nn nn
Explanation: This information message provides statistical information on the tape drive usage of a job. At the end of each job execution, the job log is checked to evaluate tape drive usage. The UNITDEF member of the Control-M PARM library is used to associate logical names to physical resources (meaning tape drive units). UNITDEF sorts tape drive unit addresses into twelve groups or less.

The variables in this message are:

- **orderId** - the order ID of the job
- **nn** - The number of tape drives in each group used by the tape drive. In the message, each tape drive group is identified by its order after USED (for example, the first group corresponds to the first nn).

Corrective Action: No action is required.

SPY28HW OID=orderid AUTO TAPE DRIVE RESOURCE ADJUSTMENT IS BYPASSED DUE TO PREVIOUS MESSAGE
Explanation: Resource adjustment for the Automatic Tape Adjustment facility was bypassed for current job end processing.

An error occurred during resource adjustment for the Automatic Tape Adjustment facility. The reason is described in the preceding message.

Job end processing continues without tape drive adjustment.

Corrective Action: Check the reason described in the preceding message.

SPY28JE OID=orderid ERROR ANALYZING PARM MEMBER "UNITDEF" AT LINE lineNum
Explanation: An error was detected in the specified line of UNITDEF. There is probably a syntax error.

The Automatic Tape Adjustment facility is turned OFF for the job, and processing continues.

Corrective Action: To implement automatic tape adjustment, correct the error in the specified line and restart Control-M.

SPY28KW OID=orderid DAUNITDF DD CARD MISSING
Explanation: There is no valid DD statement that points to UNITDEF.

Either the statement is missing or it contains a syntax error.

The Automatic Tape Adjustment facility is turned OFF for the current job, and processing continues.

Corrective Action: To implement automatic tape adjustment, correct the DD statement that points to UNITDEF and restart Control-M.
SPY28LS OID=orderId GETMAIN FAILED IN CTMATD AUTO TAPE PROCESSING

**Explanation:** There is not enough memory to perform Automatic Tape adjustment.
The region may be too small.
The Automatic Tape Adjustment facility is turned OFF for the current job, and processing continues.

**Corrective Action:** To implement automatic tape adjustment, increase the size of the region and restart Control-M. If there still is not enough memory, contact your local systems analyst.

SPY28ME OID=orderId TAPE UNIT unitId IS NOT DEFINED IN "UNITDEF" MEMBER

**Explanation:** During Automatic Tape Adjustment facility processing, a Tape Unit address was specified in the job log. However, this unit address was not defined in the UNITDEF member.
Resource adjustment for the Automatic Tape Adjustment facility of Control-M was unable to assign Tape Unit address unitId to a defined tape drive type.
The unknown tape drive is ignored for the job and processing continues.

**Corrective Action:** Check the UNITDEF member of the Control-M PARM library. Verify that the unit address is properly defined.

SPY28NI NEW TAPE DRIVE DEFINITION IS LOADED PER OPERATOR REQUEST

**Explanation:** This information message indicates that a fresh copy of the UNITDEF member is now in use.
A new copy of the UNITDEF member was loaded in response to modify command F.

**Corrective Action:** No action is required.

Messages SPYD00 through SPYDxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

SPYD55S OID=orderId SYSOUT ARCHIVING FAILED

**Explanation:** Highlighted, unrollable message.
The Control-M monitor failed to archive SYSDATA for the job. This message is preceded by other messages detailing the nature of the error.
Control-M terminates processing.

**Corrective Action:** Do the following:
1. Please refer to the preceding messages and follow the steps recommended in the description of those messages.
2. Start the Control-M monitor again. If the problem persists, report it to your INCONTROL administrator, who should prepare the Control-M monitor full output and contact BMC Customer Support.

SRV messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages SRV100 through SRV1xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

SRV100I srvr - IOA ARCHIVE SERVER INITIALIZATION STARTED

Explanation: This information message indicates that the IOA Archive Server has started and is currently building the required internal environment.

Corrective Action: No action is required.

SRV101E srvr - IOA ARCHIVE SERVER INITIALIZATION FAILED RC rc IN STEP step

Explanation: The IOA Archive Server encountered an internal error. The cross-memory environment could not be established.

The IOA Archive Server shuts down.

Corrective Action: Activate the Control-D subsystem. If it is already active, deactivate then reactivate it. Try to reactivate the IOA Archive server. If this does not help, check for other system messages that might clarify the cause of the problem and precede accordingly. If these measures are of no avail, record the return code, step name and all other related messages and contact BMC Software Customer Support.

SRV102E srvr - IOA ARCHIVE SERVER NOT APF-AUTHORIZED

Explanation: The IOA Archive Server is not APF (Authorized Programming Facility) authorized. The IOASSRV module is not in an APF authorized library or does not have attribute AC=1.

The IOA Archive Server terminates with a return code of 8.

Corrective Action: Add the name of the library in which the IOASSRV module resides to the IEAAPF00 member in the SYS1.PARMLIB library.

SRV103E srvr - COMMAND FAILED - cmdText

Explanation: An invalid command or parameter was passed to the IOA Archive Server by an operator MODIFY command. This message is accompanied by another message that indicates why the command failed.

The MODIFY command is not executed.

Corrective Action: See the accompanying message, which indicates why the command failed.
SRV104S srvr BDL/LD FAILED FOR THE MODULE modName

Explanation: Loading of the modName module failed. Possible causes are:

- There is insufficient memory.
- Another system-oriented cause may be found in the system log.

The IOA Archive Server terminates with a return code of 8.

Corrective Action: Check the system job log for more information. If the problem persists, contact BMC Software Customer Support.

SRV105S srvr - UNRECOVERABLE ERROR ENCOUNTERED

Explanation: An unrecoverable error occurred in the operation of the IOA Archive Server.

The IOA Log file should contain a previous message about the error.

The IOA Archive Server shuts down.

Corrective Action: Check the accompanying message in the IOA Log file. Contact your system programmer for assistance. If the problem is not resolved, contact BMC Software Customer Support.

SRV106S srvr - MEDIA mediaName HAS ABENDED

Explanation: An IOA Archive Server internal subtask abended.

The IOA Log file and system log should contain previous messages about this error.

The IOA Archive Server issues an implicit START command for this media. Attempts are made to initialize media mediaName and continue normal processing. If these attempts fail, the IOA Archive Server sets the status of the abended media to never active and this media becomes unavailable for use by the IOA Archive Server.

Corrective Action: Check the IOA Log file and system log for additional messages which may indicate why media mediaName abended. If the problem is not resolved, contact BMC Software Customer Support.

SRV107I srvr - SHUT DOWN UPON REQUEST FROM OPERATOR

Explanation: This information message indicates that the IOA Archive Server is shutting down upon operator's request.

Corrective Action: No action is required.

SRV108E srvr - REASON: COMMAND IS INVALID

Explanation: An invalid command was passed to the IOA Archive Server. This message follows message IOA103E or SRV103E, which contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: For more information, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide. Enter a valid MODIFY command.
INCONTROL for z/OS Messages Manual

SRV109S srvr - MEDIA TYPE media_type IS INVALID OR NOT SUPPORTED

Explanation: The IOA Archive Server encountered an invalid or unsupported media type specified in the IOASPRM member (IOA Archive Server Installation Parameters).

The media type specified in the IOASPRM member should match one of the supported media types specified in the IOA Archive Server Program List (the IOASPROG member).

The IOA Archive Server terminates with a return code of 8.

Corrective Action: For more information about currently supported media types, refer to the section on how to set IOA Archive Server Installation Parameters in the INCONTROL for z/OS Installation Guide. Correct the media type in the IOASPRM member (IOA Archive Server Installation Parameters). Start the IOA Archive Server again. If the problem is not resolved, contact BMC Software Customer Support.

SRV10AS srvr - SERVER NAME IS NOT EQUAL TO THE PROCNAME SPECIFIED IN IOASPRM

Explanation: Highlighted, unrollable message.

The name of IOA Archive Server does not match the value of the PROCNAME parameter in the IOASPRM member. The name of the IOA Archive Server must be the same as the value of the PROCNAME IOA Archive Server Installation Parameter in the IOASPRM member.

The IOA Archive Server terminates with a return code of 8.

Corrective Action: Use the correct IOA Archive Server name or correct the value of the PROCNAME parameter. Restart the IOA Archive Server.

SRV10BI srvr - IOA ARCHIVE SERVER SHUTTING DOWN

Explanation: Highlighted, unrollable message.

This information message indicates that the IOA Archive Server is shutting down due to operator command or due to internal events.

The IOA Log file should contain additional messages about the reason for shutting down the IOA Archive Server.

The IOA Archive Server shuts down.

Corrective Action: No action is required.

SRV10CS srvr - IOA ARCHIVE SERVER ENDED WITH ERROR

Explanation: An error caused the IOA Archive Server to terminate. The IOA Log file and system log file should contain additional messages identifying the specific error.

The IOA Archive Server shuts down.

Corrective Action: Check the IOA Log file and the system log for the reason. Contact your system programmer for assistance if needed.

SRV10DW srvr - YOUR IOA ARCHIVE SERVER IS ALREADY ACTIVE. QNAME qName

Explanation: Highlighted, unrollable message.
An attempt was made to start an IOA Archive Server which is already active. It is impossible to run two IOA Archive Servers with the same qName at the same time.

The newly-started IOA Archive Server with the same qName shuts down.

**Corrective Action:** No action is required.

**SRV10EE srvr - REASON: PARAMETER IS INVALID**

**Explanation:** An invalid parameter was passed to the IOA Archive Server by operator command MODIFY. This message follows the IOA103E or SRV103E message, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** For more details, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide. Reissue the MODIFY command with valid parameters.

**SRV110E srvr - INSUFFICIENT STORAGE FOR INITIALIZATION RC=rc**

**Explanation:** There is insufficient memory to initiate or operate the IOA Archive Server.

The IOA Archive Server shuts down.

**Corrective Action:** Increase the IOA Archive Server REGION size. If the problem persists, record the return code and contact BMC Software Customer Support.

**SRV114S srvr - BLDL/ATTACH FAILED FOR MODULE modName**

**Explanation:** Initialization of an IOA Archive Server internal task failed.

Possible causes are:

- Insufficient memory to attach the task.
- The modName module does not exist in the LOAD library.

The IOA Archive Server terminates.

**Corrective Action:** Check the system log for additional messages which clarify the situation. Try one of the following:

- If the attach failed because of lack of memory, increase the REGION size in the IOA Archive Server procedure.
- If the IOA LOAD library does not contain the modName module, contact BMC Software Customer Support.

**SRV115E srvr - OPEN OF DDNAME ddName FAILED**

**Explanation:** Open of the ddName DD statement failed.

Possible causes are:

- The ddName DD statement is missing.
- The data set referenced by the ddName DD statement does not exist.

The IOA Archive Server terminates with a return code of 8.
Corrective Action: Correct the JCL and rerun the job.

SRV116W srvr - ALL MEDIA ARE INACTIVE
Explanation: Highlighted, unrollable message.
The IOA Archive Server issues this message when it determines that no active media are allocated to it.
Every media was terminated due to operator request or internal error. This message disappears when a START command is issued for any media.
The IOA Archive Server continues processing.
Corrective Action: If information about the status of a media is needed, issue a DISPLAY command.

SRV117I srvr - IOA ARCHIVE SERVER INITIALIZATION COMPLETE
Explanation: This information message indicates that the IOA Archive Server was successfully initialized.
Corrective Action: No action is required.

SRV118E srvr - REASON: MEDIA mediaName IS INCORRECT
Explanation: The media was specified in a MODIFY operator command, but was not defined in the IOASPRM member, which defines the IOA Archive Server Installation Parameters. This message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the text of the failed command.
The MODIFY command is not executed.
Corrective Action: For more details, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide. Reissue the MODIFY command with the correct media name.

SRV11AE srvr - REASON: MEDIA mediaName ALREADY INACTIVE
Explanation: An attempt was made to stop media mediaName which was already inactive. This message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the text of the failed command.
The MODIFY command is not executed.
Corrective Action: No action is required.

SRV11BE srvr - REASON: MEDIA mediaName ALREADY ACTIVE
Explanation: An attempt was made to start media mediaName which was already active. This message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the text of the failed command.
The MODIFY command is not executed.
Corrective Action: No action is required.

SRV11CE srvr - INITIALIZATION OF ALL MEDIA FAILED
Explanation: During initialization, the IOA Archive Server determined that initialization failed for all media specified in the IOASPRM member (IOA Archive Server Installation Parameters).
Every media was terminated due to an unrecoverable error. The IOA Log file should contain additional messages concerning specific errors.

The IOA Archive Server terminates with a return code of 8.

**Corrective Action:** Check the IOA Log file and the system log for messages describing the error. Contact the system programmer for assistance if needed. Start the IOA Archive Server again. If the problem is not resolved, contact BMC Software Customer Support.

**SRV11DW srvr - nn CYCLES PERFORMED WHILE WAITING FOR MEDIA INITIALIZATION TO BE COMPLETED**

**Explanation:** Highlighted, unrollable message.

The IOA Archive Server cannot complete the initialization phase. During IOA Archive Server initialization, a period of time equal to nn cycles elapsed before any media specified for use by the IOA Archive Server completed the initialization process. Each cycle is one IOA Archive Server sleeping interval, whose value in hundredths of a second is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The initialization of the IOA Archive Server is not completed.

**Corrective Action:** Check the IOA Log file and the system log for the cause of the problem. If the IOA Archive Server waits a long time for media to complete initialization, and the reason for the delay cannot be determined, issue the CANCEL command to stop the IOA Archive Server. Restart the IOA Archive Server. If the problem is not resolved, contact BMC Software Customer Support.

**SRV11EW srvr - nn CYCLES PERFORMED WHILE WAITING FOR MEDIA TO TERMINATE**

**Explanation:** The IOA Archive Server cannot complete the termination phase. During IOA Archive Server termination, a period of time equal to nn cycles elapsed before the media specified for use by the IOA Archive Server completed the termination process. Each cycle is one IOA Archive Server sleeping interval, whose value in hundredths of a second is defined in the INTERVAL parameter in the IOASPRM member in the IOA Archive Server Installation Parameters.

The termination of the IOA Archive Server is not completed.

**Corrective Action:** Check the IOA Log file and the system log for the cause of the problem. If the IOA Archive Server waits a long time for media to complete termination, and the reason for the delay cannot be determined, issue operator command CANCEL to stop the IOA Archive Server. If the problem is not resolved, contact BMC Software Customer Support.

**SRV11FW srvr - REASON: MEDIA mediaName IS BUSY**

**Explanation:** A command cannot be passed to media mediaName for execution because the media has not finished executing a previous command. This message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

**Corrective Action:** Reissue the MODIFY command later.
SRV120S srvr - INTERNAL ERROR RC=rc

Explanation: The IOA Archive Server encountered an internal error. The IOA Archive Server terminates with abend code 0006. The output includes a dump of the abend.

Corrective Action: Report the message ID and return code to BMC Software Customer Support.

SRV121E srvr - REASON: MEDIA mediaName INACTIVE

Explanation: An attempt was made to start a device assigned to media mediaName while that media was inactive. Media mediaName must be started before issuing a START command for a device assigned to it. This message follows message IOA103E or SRV103E, which indicates that operator command MODIFY failed and contains the text of the failed command.

The MODIFY command is not executed.

Corrective Action: Issue the following operator command to start media mediaName: F IOASMON,START MEDIA=media-name

After media mediaName is initialized successfully, issue the MODIFY command to start a device. For more details, refer to the section that describes the IOA Archive Server in the Control-D and Control-V User Guide.

SRV122W srvr IOA ARCHIVE SERVER PARAMETERS CONTAIN NO MEDIA OR ONLY MEDIA TYPE DASD

Explanation: During the initialization phase, the IOA Archive Server determined that the IOASPRM member does not include a definition for any media or only includes definitions for media of the DASD type. Possible causes are:

- The IOASPRM member in the IOA PARM library does not define any media.
- The IOASPRM member in the IOA PARM library has definitions for only DASD media.

Do not activate the IOA Archive Server unless a media type other than DASD is defined in the IOASPRM member.

The IOA Archive Server shuts down.

Corrective Action: If the services of the IOA Archive Server are required, add appropriate media to the IOASPRM member in the IOA Archive Server Installation Parameters, and restart the IOA Archive Server.

SRV123W cdam_srvr_name - GETMAIN FAILED DURING SESSION OPENING OF USER userId

Explanation: An attempt to access a migrated index failed because there is insufficient memory in the IOA Archive server to open a session. A session is opened in the IOA Archive server when accessing a migrated index. This error occurs when there is not enough memory in the IOA Archive server to hold the RBA range table of the user, and the index record for that index.

The session is not opened and the migrated index cannot be viewed.

Corrective Action: Increase the region of the IOA Archive server.
SRV124W cdam_srvr_name - OSE TYPE PASSED TO SERVER BY USERID userId IS INVALID

Explanation: An internal error occurred when accessing a migrated index. A session is opened in the IOA Archive Server when accessing a migrated index.

The session is not opened and the migrated index cannot be viewed.

Corrective Action: Print the user record and index records of the report. Record the last actions of the user before the error occurred. Supply this information to BMC Software Customer Support.

SRV127E srvr - DEBUG LEVEL MUST BE A NUMBER BETWEEN 0-255

Explanation: The MODIFY operator command to activate the IOA Archive Server debug facility contains an invalid DEBUG level. Valid DEBUG levels are between 0 and 255. Zero specifies no debugging.

The MODIFY command is not executed. The DEBUG facility is not activated.

Corrective Action: Reissue the operator command with the correct debug level. The required debugging level should be supplied by BMC Software Customer Support.

SRV128I srvr - DEBUG LEVEL IS SET TO num

Explanation: This information message indicates that the IOA Archive Server debug level has been set to num by a MODIFY operator command.

Each debug level activates the trace option on different components of the IOA Archive Server.

The DEBUG level is set to level num.

Corrective Action: No action is required.

Messages SRV500 through SRV5xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

SRV5A0E SERVER serverId, SECURITY ENVIRONMENT CREATION FAILED RC=rc REASON=rsn

Explanation: The IOASECUR security handling module failed to establish the security environment.

In rules in which value OWNER or TRIGGER has been specified for the RUNTSEC parameter, the IOASECUR module runs a security check on every DO KSL/TSO request included in the rule.

This message is often accompanied by message SRV5A1I/CTO281I which contains the error message returned by the locally active security product.

The KSL/TSO request is not performed.

Corrective Action: See the DOCSECUR member in the IOA DOC library for a description of rc and rsn.

Correct the security definitions, and verify changes made to the IOASECUR security module. For more information, see the SRV5A1I/CTO281I message (if issued).
SRV5A1I ERROR MESSAGE = text

Explanation: This information message indicates that the IOASECUR security module failed to establish the security environment.

In rules in which value OWNER or TRIGGER has been specified for the RUNTSEC parameter, the IOASECUR module runs a security check on every DO KSL/TSO request included in the rule.

In this message, text is the error message returned by the security product active at the site.

The KSL/TSO request is not performed.

Corrective Action: Depending on the message text, correct the security definitions and/or verify changes made to the IOASECUR security module.

SRV5A2W SERVER serverId, SECURITY ENVIRONMENT CLEANUP FAILED
RC=rc REASON=rsn

Explanation: The IOASECUR security handling module failed to reset the security environment.

In rules in which value OWNER or TRIGGER has been specified for the RUNTSEC parameter, the IOASECUR module runs a security check on every DO KSL/TSO request included in the rule.

This message is often accompanied by message SRV5A1I which contains the error message text returned by the locally active security product.

Depending on the values of rc and rsn, the DO KSL/TSO request may or may not be performed.

Corrective Action: See the DOCSECUR member in the IOA DOC library for a description of rc and rsn.

Correct the security definitions, and/or verify changes made to the IOASECUR security module. For more information, see the SRV5A1I or CTO281I message (if issued).

SRV5A3I CONTROL-O SERVER serverId STARTED

Explanation: This information message indicates that the serverId Control-O server has been successfully started.

Corrective Action: No action is required.

SRV5A4I CONTROL-O SERVER serverId ENDED

Explanation: This information message indicates that the serverId Control-O server has been successfully terminated.

Corrective Action: No action is required.

SRV5A5E SERVER serverId SEVERE ERROR - details

Explanation: The specified server detected an internal error.

The server is terminated.

Corrective Action: Contact BMC Software Customer Support.
SRV5A6I SERVER serverId, request = requestParms

Explanation: This information message indicates that the specified server has begun executing the specified request.

Corrective Action: No action is required.

SRV5A7I SERVER serverId, request COMPLETION CODE = rc ELAPSED elapsed CPU cpu SRB srb

Explanation: This information message indicates that server serverId completed the specified request.

The variables in this message are:
- serverId - the identity of the server that completed the request
- request - the identity of the TSO request or KOA script that was completed
- rc - the completion code of request
- elapsed - the time that elapsed during execution of request
- cpu - the CPU time
- srb - the number of SRB units

elapsed and cpu are expressed in the format mmm.ss.hh, where
- mmm is the number of minutes
- ss is the number of seconds
- hh is the hundredths of seconds

Corrective Action: No action is required.

SRV5A8W SERVER serverId, TIMEOUT OCCURRED. REQUEST request

Explanation: The request performed by the server ran for an interval longer than the number of seconds specified in the TIMEOUT subparameter.

System action depends on the following:
- If the rule issued the request and the WAITMODE subparameter is set to Y, the rule resumes with a %%TSORC or %%KSLRC of 522.
- If the STOP subparameter was set to Y, the request is canceled.
- Otherwise, the server continues performing the request.

Corrective Action: No action is required.

SRV5A9S CONTROL-O SERVER serverId HAS ABENDED. ABEND CODE = abCode

Explanation: The server detected an internal abend.

This message indicates an internal error.
The serverId server is terminated.

**Corrective Action:** Contact BMC Software Customer Support.

**Messages SRVH00 through SRVHxx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**SRVH00I DOWNLOAD OF ACTIVE DATABASE STARTED**

**Explanation:** Information message issued by the Control-M Application Server indicating that the download of the IOA and Control-M database is currently in progress.

**Corrective Action:** No action is required.

**SRVH01I DOWNLOAD OF ACTIVE DATABASE ENDED SUCCESSFULLY**

**Explanation:** Information message issued by the Control-M Application Server indicating that the download of the IOA and Control-M database has ended successfully.

**Corrective Action:** No action is required.

**SRVH02I SERVER IS READY TO RECEIVE REQUESTS**

**Explanation:** This information message indicates that the Enterprise Controlstation Workstation Gateway server has finished its initialization. The server is now ready to receive requests issued by the Enterprise Controlstation Workstation Gateway.

**Corrective Action:** No action is required.

**SRVH03E DOWNLOAD OF ACTIVE DATABASE FAILED**

**Explanation:** Download of the IOA and Control-M database failed.

The download of the IOA and Control-M database, performed by the Control-M Application Server, has ended with an error.

The Control-M Application Server shuts down.

**Corrective Action:** Look in the job log, SYSPRINT and IOA Log for messages containing the reason for the failure. After the problem has been resolved, restart the Control-M Application Server.

**SRVH04E MODULE modName SHOULD BE REUSABLE**

**Explanation:** This message indicates that an IOA module that should have been reusable, is not.

The modName module is supplied with the IOA installation tape with the reusable attribute bit on. However, the reusable attribute has become corrupted.

The program stops executing.

**Corrective Action:** Copy the modName module from the IOA installation tape to the IOA load library, refresh LLA, and rerun the program.
SRVH05E ERROR DETECTED BY WORKSTATION GATEWAY DURING DOWNLOAD

**Explanation:** Download of the Active Jobs file failed due to an error encountered by the Workstation Gateway.

Download of the Active Jobs file was initiated, but the Workstation Gateway indicated that an error was encountered on the workstation side.

Download of the Active Jobs file fails.

**Corrective Action:** Look for error messages issued by the workstation and correct the problem accordingly.

SRVH06I WORKSTATION DATABASE IS SYNCHRONIZED WITH THE MAINFRAME DATABASE

**Explanation:** This information message is issued after establishment of communication, and indicates either that download of the Active Jobs file has ended successfully, or that it is not required.

**Corrective Action:** No action is required.

SRVH07E KSL INTERNAL ERROR TYPE *err_type*, RC = *rc*

**Explanation:** The Control-M Application Server encountered problems interfacing with the KSL subtask. In this message, *err_type* is one of the following:

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001TYPE</td>
<td>Attempt to initialize KSL subtask.</td>
</tr>
<tr>
<td>TYPE 0002</td>
<td>Waiting for KSL subtask to perform a request.</td>
</tr>
<tr>
<td>TYPE 0003</td>
<td>KSL subtask ended abnormally.</td>
</tr>
</tbody>
</table>

The return code contains the system abend code.

The Control-M Application Server shuts down.

**Corrective Action:** Check the messages in the job log and the output in file DAKSLOUT. If message CTM555S appears, increase the REGION size. If no relevant messages appear, contact BMC Software Customer Support.

SRVH08I DOWNLOAD OF {CONTROL-M ACTIVE JOBS FILE | RES. FILE AND IOA COND. FILE} {STARTED | ENDED}

**Explanation:** This information message indicates that downloading of the specified file started or ended.

The specified file is being downloaded from Control-M on the mainframe to an Enterprise Controlstation. This message indicates which phase of the download process was reached.

**Corrective Action:** No action is required.
SRVH09E OPEN OF KSL COMMUNICATION FILE FAILED. DDNAME "KSLCOMM"

**Explanation:** Open of the KSL Communication file failed (the KSLCOMM DD statement). This error message is issued by the Control-M Application Server and may be due to one of the following:

- The KSLCOMM DD statement is missing.
- The Control-M Application Server JCL procedure has been modified.

The Control-M Application Server shuts down.

**Corrective Action:** Correct the Control-M Application Server JCL procedure, and restart the Control-M Application Server.

SRVH10I {CTWSRVE | CTWDET} {STARTED | ENDED}

**Explanation:** This information message indicates that the Control-M Application Server initiated or shut down subtasks.

**Corrective Action:** No action is required.

SRVH12E SERVER INTERNAL ERROR TYPE type

**Explanation:** The server program detected an internal error.

This error message is issued by the CTWSRVR program, which is activated as part of the Control-M Application Server, and is due to reasons beyond the user's control.

The Control-M Application Server shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

SRVH14E ABEND sysAbend-userAbend DURING DOWNLOAD - MEMBER: memName ORDERID: orderId

**Explanation:** A system or user abend occurred while downloading a member.

The variables in this message are:

- **sysAbend** - the number of the system abend
- **userAbend** - the number of the user abend
- **memName** - the member's name
- **orderId** - the member's order ID

The Control-M Application Server terminates processing.

If DWNLDERR=LOG is specified in the CTMPARM member, this message is written to the IOA log file and no further action is taken. If DWNLDERR=EMX is specified in the CTMPARM member, the **memName** member is excluded from the download process when the Control-M Application Server is restarted.

**Corrective Action:** Contact BMC Software Customer Support and provide the error information.
SRVH15W POSSIBLE LOOP DURING DOWNLOAD - MEMBER: memName ORDERID: orderId numSeconds

Explanation: The Control-M Application Server detected a possible loop during download in the processing of the memName member.

The variables in this message are:
- memName - the member’s name
- orderId - the member’s order ID
- numSeconds - the number of seconds that have passed since the loop possibility was first detected

Corrective Action: Determine whether the problem is transient or whether it is necessary to shut down the Control-M Application Server and possibly exclude the memName member from the download process when the Control-M Application Server is restarted.

SRVH16I MEMBER: memName ORDERID: orderId EXCLUDED FROM DOWNLOAD

Explanation: This information message indicates that the memName member was not downloaded during the current downloading of jobs from the AJF to Control-M/EM because it was previously excluded from this process.

The member may have been automatically excluded because it caused an abend during a prior download and DWNLDERR=EMX is specified in the CTMPARM member, or because it was intentionally excluded using the CTMAPI command EMDOWNLD EXCLUDE MEMBER= memName.

The variables in this message are:
- memName - the member’s name
- orderId - the member’s order ID

Corrective Action: No action is required.

SRVH17I MEMBER: memName ORDERID: orderId WILL BE EXCLUDED FROM NEXT DOWNLOAD

Explanation: This information message indicates that the memName member will not be downloaded during the next downloading of jobs from the AJF to Control-M/EM.

This action is taken because the exclude action is indicated in the CTMPARM member by the parameter DWNLDERR=EMX.

Corrective Action: No action is required.

SSO messages

This group includes messages for the Control-O product.
Messages SSO200 through SSO2xx
This group includes messages for the Control-O product.

SSO230E SUBSYSTEM cto_subsys_name INITIALIZATION FAILED - JES COMMAND SUPPRESSION NOT ACTIVATED

Explanation: During Control-O initialization, Control-O failed to activate the Control-O subsystem (cto_subsys_name) that is used to suppress JES2 commands.

To suppress JES2 commands, Control-O uses the subsystem identified in the JCMDSSN parameter in the CTOPARM member in the IOA PARM library. That subsystem must be defined in SYS1.PARMLIB(IEFSSN xx), and must be activated in the last IPL before Control-O is started.

Control-O initialization continues, but the JES2 command suppression function is disabled.

Corrective Action: Notify the INCONTROL administrator.

SSO231E SUBSYSTEM cto_subsys_name WAS NOT PRE-DEFINED - JES COMMAND SUPPRESSION NOT ACTIVATED

Explanation: During Control-O initialization, Control-O failed to activate the Control-O subsystem (cto_subsys_name) that is used to suppress JES2 commands, because the subsystem was not properly predefined.

To suppress JES2 commands, Control-O uses the subsystem identified in the JCMDSSN parameter in the CTOPARM member in the IOA PARM library. That subsystem must be defined in SYS1.PARMLIB(IEFSSN xx), and must be activated in the last IPL before Control-O is started.

Control-O initialization continues, but the JES2 command suppression function is disabled.

Corrective Action: Notify the INCONTROL administrator.

SSO234W SUBSYSTEM subsys ALREADY INACTIVE

Explanation: During Control-O termination, Control-O deactivates the IOA subsystem and the Control-O subsystem currently in use. On this occasion, the subsystem identified in the message was already inactive.

Control-O termination continues.

Corrective Action: Notify the INCONTROL administrator.

SSO235W subsys ALREADY ACTIVE

Explanation: During Control-O initialization, Control-O tried to activate the IOA subsystem and the Control-O subsystem, but detected that the subsys subsystem was already active.

Control-O initialization continues.

Corrective Action: Notify the INCONTROL administrator.

SSO236E ERROR WHILE ATTEMPTING TO OPEN THE STEPLIB DATASET

Explanation: Control-O could not open file STEPLIB.
Control-O encountered an error opening the STEPLIB file while attempting to activate the alternate subsystem.

Control-O continues without activating the alternate subsystem.

**Corrective Action:** Verify that a STEPLIB library or concatenation of libraries exists. Reactivate Control-O.

**SSO237E** ERROR WHILE ATTEMPTING TO LOCATE (BLDL) ONE OF THE SUBSYSTEM FUNCTION ROUTINES

**Explanation:** Control-O could not find at least one of the alternate subsystem function routines. While attempting to activate the alternate subsystem, Control-O could not find at least one of the alternate subsystem function routines in the STEPLIB library or concatenation of libraries. Control-O continues without activating the alternate subsystem.

**Corrective Action:** Verify that these modules exist in the STEPLIB library or concatenation of libraries and reactivate Control-O.

**SSO238E** ERROR WHILE ATTEMPTING TO LOAD ONE OF THE SUBSYSTEM FUNCTION ROUTINES

**Explanation:** Control-O could not load at least one of the alternate subsystem function routines. While attempting to activate the alternate subsystem, Control-O could not find at least one of the alternate subsystem function routines in the STEPLIB library or concatenation of libraries. Control-O continues without activating the alternate subsystem.

**Corrective Action:** Verify that these modules exist in the STEPLIB library or concatenation of libraries and reactivate Control-O.

**SSO239E** ERROR WHILE ATTEMPTING TO ACQUIRE STORAGE FOR SUBSYSTEM FUNCTION ROUTINES OR THE SSVT

**Explanation:** Control-O could not acquire enough CSA (Common Service Area) storage to load alternate subsystem function routines or to build the SSVT for the alternate subsystem. Control-O continues without activating the alternate subsystem.

**Corrective Action:** If storage defined for CSA is not large enough, increase the CSA size and perform an IPL.

**SSO23AI** ALTERNATE SUBSYSTEM *subsys* SUCCESSFULLY INITIALIZED

**Explanation:** This information message indicates that the CTOSSO module successfully activated the alternate subsystem.

**Corrective Action:** No action is required.
STM messages

This group includes messages for the Control-O product.

Messages STM700 through STM7xx

This group includes messages for the Control-O product.

STM741S ERROR IN CONTROL STATEMENT - err

Explanation: An invalid control statement was encountered. The CTORSTM statistics reports utility encountered one of the following errors:

- INVALID SORTBY STATEMENT A SORTBY statement contains an invalid sort key.
- NO PARAMETER SPECIFIED No operand was specified in the control statement.
- INVALID STATEMENT An unrecognized control statement was encountered.
- MASK TOO LONG An INCLUDE/EXCLUDE statement contains a mask which is longer than 12 characters.

The CTORSTM utility terminates with a return code of 08.

Corrective Action: Correct the invalid statement and rerun the job.

STM742S ERROR IN OPEN OF INPUT FILE

Explanation: The CTORSTM statistics report utility could not open the input file specified in the DAREPIN DD statement.

An OPEN request was issued to the input file, but was unsuccessful. A possible cause of the problem is that the DAREPIN DD statement may not have been specified in the job stream.

The utility terminates with a return code of 08.

Corrective Action: Look for previous MVS error messages regarding the opening of the input file. Correct the error and rerun the job.

STM743S INTERNAL ERROR - errorText

Explanation: The CTORSTM statistics report utility encountered the errorText internal error.

The utility terminates with return code of 08.

Corrective Action: Contact BMC Software Customer Support.

STM744S ERROR IN OPEN OF REPORT FILE

Explanation: The CTORSTM statistics report utility could not open the report file specified in the SYSPRINT DD statement.

An OPEN request was issued to the REPORT file, but was unsuccessful. A possible cause of the problem is that the SYSPRINT DD statement may not have been specified in the job stream.

The utility terminates with a return code of 08.
Corrective Action: Look for previous MVS error messages regarding the opening of the report file. Correct the error and rerun the job.

STM745S ERROR IN OPEN OF STATISTICS FILE

Explanation: The CTORSTM statistics report utility could not open the Statistics file. Failure to open the Statistics file may have been caused by one of the following:

 The data set allocated to the DASTF DD statement was not formatted as a Control-O Statistics file.
 The data set allocated to the DASTF DD statement was formatted as a Control-O Statistics file by a different version of Control-O.
 The data set allocated to the DASTF DD statement belongs to a different installation of Control-O.

The utility terminates with a return code of 08.

Corrective Action: Look for previous MVS error messages regarding the opening of the Statistics file. Correct the error and rerun the job.

STM746S STATISTICS FILE DYNAMIC ALLOCATION ERROR rc/rsn/dsn

Explanation: Dynamic allocation of the dsn Statistics file failed with a return code of \textit{rc} and a reason code of \textit{rsn}.

The CTORSTM statistics report utility terminates with a return code of 08.

Corrective Action: See the IBM manual \textit{MVS Programming: Authorized Assembler Services Guide} to determine the cause of the error and correct the error accordingly. If not successful, contact BMC Software Customer Support.

STM747W ERROR IN CLOSE OF STATISTICS FILE

Explanation: The CTORSTM statistics report utility could not successfully close the Statistics file. The utility terminates with a return code of 08.

Corrective Action: If no MVS error messages clarifying the error were issued, this is probably an internal error. In this case, please report it to BMC Software Customer Support.

STM748I NO INPUT CONTROL STATEMENTS WERE SPECIFIED. DEFAULT REPORT WILL BE PRODUCED

Explanation: This information message indicates that no report control statements were specified in the input data set.

The input data set is empty. The report is produced using the following default control statements:

\texttt{SORTBY COUNTINCLUDE *}

The default report is produced.

Corrective Action: No action is required.
STO messages

This group includes messages for the Control-O product.

Messages STO100 through STO1xx

This group includes messages for the Control-O product.

STO171S STATISTICS FILE OVERFLOW

**Explanation:** All Statistics file index entries are in use. No new statistics can be accumulated.

The Statistics Facility could not accumulate statistics because the number of message IDs exceeds the maximum number of allowable entries in the Statistics file.

Statistics accumulation stops.

**Corrective Action:** Please review the following recommendations; then format the Statistics file and restart the Statistics Facility:

1. Enlarge the Statistics file by using the following procedure: a. Increase the value of the STREC# parameter in CTOPARM.b. Delete or rename the old Statistics file to allow a new Statistics file allocation.c. Allocate and format a new Statistics file.
2. Use AutoEdit option %%$STATID to customize message ID determination. This option can be used to decrease the number of message IDs that are generated. See the *INCONTROL for z/OS Administrator Guide* for more information.

STO172S STATISTICS FILE IS NOT FREE

**Explanation:** The Statistics file is locked.

Either the Statistics file is in use by another Control-O monitor or utility, or Control-O abended previously while updating the Statistics file.

Statistics accumulation is not performed.

**Corrective Action:** Check if another Control-O monitor or utility uses this Statistics file. If this is not the case, then reformat the Statistics file and restart the Statistics Facility.

STO173S OPEN OF STATISTICS FILE FAILED

**Explanation:** The Control-O Statistics facility attempted to open the Statistics file but did not succeed.

Failure to open the Statistics file may be due to the following:

- The data set allocated to the DASTF DD statement was not formatted as a Control-O Statistics file.
- The data set allocated to the DASTF DD statement was formatted as a Control-O Statistics file by a different version of Control-O.
- The data set allocated to the DASTF DD statement belongs to a different installation of Control-O.

Statistics accumulation is not performed.

**Corrective Action:** Look for previous MVS error messages regarding the opening of the Statistics file. Correct the error and rerun the job.
STO174S FILE ALLOCATED TO DDNAME "DASTF" IS NOT A CONTROL-O STATISTICS FILE

Explanation: The Control-O Statistics Facility attempted to read the file allocated to DD name DASTF, but it is not a formatted Statistics file.
Statistics accumulation is not performed.
Corrective Action: Format the Statistics file and restart the Statistics Facility.

STO175E RELEASE OF THE STATISTICS FILE IS NOT SUPPORTED BY THIS RELEASE

Explanation: The format of the Statistics file is not supported by the current release of Control-O. The Statistics file could not be read by the Control-O Statistics Facility.
The Statistics file was formatted by an earlier release of Control-O.
Statistics accumulation is not performed.
Corrective Action: Format the Statistics file in the currently supported format, and restart the Statistics Facility.

STO176E THE STATISTICS FILE BELONGS TO A DIFFERENT CONTROL-O MONITOR

Explanation: The assigned ID of the Statistics file does not match the ID of the Control-O monitor.
When a Statistics file is formatted, it is associated with a particular Control-O monitor. The CTOMFST Statistics Formatting utility takes the ID of the Control-O monitor from the QNAME parameter in CTOPARM, and assigns it to the Statistics file.
The ID of the active Control-O monitor does not match the assigned ID of the Statistics file. The probable cause of the error is that the value of QNAME was changed without reformattting the Statistics file.
Statistics accumulation is not performed.
Corrective Action: Format the Statistics file with the correct Control-O ID and restart the Statistics Facility.

STO177S CONTROL-O STATISTICS SEVERE INTERNAL ERROR, ID=code

Explanation: The Control-O Statistics Facility encountered an internal error.
In this message, code is the internal error code.
Statistics accumulation stops.
Corrective Action: Look for previous messages to identify the cause of the problem and contact BMC Software Customer Support.

STO178S STORAGE ALLOCATION FOR STATISTICS FAILED

Explanation: Storage allocation for the Control-O Statistics Facility failed because the Statistics Facility could not obtain enough working storage for processing.
Statistics accumulation is not performed.
**Corrective Action:** Increase the Control-O region size and restart a new Control-O monitor.

STO179S I/O ERROR ACCESSING THE STATISTICS FILE

**Explanation:** A READ/WRITE error occurred when accessing the Statistics file.
Statistics accumulation stops.

**Corrective Action:** Look for previous MVS error messages regarding Statistics file I/O errors, and correct accordingly. If MVS messages do not clarify the error, please contact BMC Software Customer Support.

STO180S CONTROL-O STATISTICS FILE INTERNAL ERROR. RECORD TYPE MISMATCH

**Explanation:** The Statistics Facility has encountered a corruption in the Statistics file. The Statistics file cannot be processed.
Statistics accumulation stops.

**Corrective Action:** Contact BMC Software Customer Support.

STO181S CONTROL-O STATISTICS INTERNAL ERROR. WRITE FAILED FOR SECTION section

**Explanation:** Due to an internal error, update of the Statistics file failed while writing a section of the Statistics file.
Statistics accumulation stops.

**Corrective Action:** Contact BMC Software Customer Support.

STO182S CLOSE OF CONTROL-O STATISTICS FILE FAILED

**Explanation:** During termination, the Control-O Statistics Facility failed to close the Statistics file.
The Statistics Facility continues terminating without closing the Statistics file.

**Corrective Action:** Check the system log for previous error messages. If none are found, please contact BMC Software Customer Support.

STO184I CONTROL-O STATISTICS ACCUMULATION STARTED

**Explanation:** This informative message indicates that the Control-O Statistics Facility initialization completed successfully and that Control-O statistics are being accumulated.

**Corrective Action:** No action is required.

STO185S CONTROL-O STATISTICS INITIALIZATION ERROR

**Explanation:** Control-O Statistics Facility did not initialize successfully.
Statistics accumulation is not performed.

**Corrective Action:** Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.
STO186E STATISTICS ACCUMULATION ERROR WHILE PROCESSING SUBSYSTEM REQUESTS

Explanation: The Statistics Facility detected an error while processing requests from the Control-O subsystem.

Statistics accumulation stops.

Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.

STO187E STATISTICS ACCUMULATION ERROR DURING FILE UPDATE

Explanation: The Statistics Facility detected an error while updating the Statistics file.

Statistics accumulation stops.

Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.

STO189I CONTROL-O STATISTICS ACCUMULATION ENDED

Explanation: This informative message is issued after normal termination of the Statistics Facility.

Statistics accumulation is discontinued.

Corrective Action: No action is required.

STO190S CONTROL-O STATISTICS TERMINATION ERROR

Explanation: Control-O Statistics Facility did not terminate successfully.

The Statistics Facility continues the termination process.

Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and then correct accordingly.

STO191S STATISTICS ACCUMULATION ERROR WHILE PROCESSING USER REQUESTS

Explanation: The Statistics Facility detected an error while processing a SHOW, EXCLUDE or RESET online user request.

Statistics accumulation stops.

Corrective Action: Look for previous error messages in the IOA Log to determine the cause of the error, and correct accordingly.

STO192E STATISTICS REQUEST FOR MESSAGE ID msgId FAILED - MESSAGE ID NOT FOUND

Explanation: A SHOW, EXCLUDE or RESET request for message ID msgId failed.

An online user requested a SHOW/EXCLUDE/RESET for message ID msgId. This message ID was not found in the Statistics file.

The online request is not performed. The Statistics Facility continues processing.
**Corrective Action:** Notify BMC Software Customer Support of the problem.

STO193E STATISTICS REQUEST FOR MESSAGE ID msgId FAILED - INVALID REQUEST

**Explanation:** Due to an internal error, the user’s online request regarding message ID msgId was not recognized.

The request is not performed. The Statistics Facility continues processing.

**Corrective Action:** Notify BMC Software Customer Support.

STO194W WAITING FOR THE STATISTICS FILE - FILE IN USE

**Explanation:** Control-O is attempting to access the Statistics file, but it is in use by another Control-O monitor or Control-O utility.

Control-O waits and attempts to access the Statistics file again.

**Corrective Action:** This message is not necessarily the result of an error. It may be issued while generating a statistics report or when the Online Facility attempts to access the Statistics file. If the Statistics file is not freed in a reasonable period of time, check what job is using it and free it.

STO195E RESET OF STATISTICS FOR MESSAGE ID msgId FAILED

**Explanation:** An online user requested a RESET of the statistics for message ID msgId, but due to internal error, the request could not be performed by Control-O.

The RESET request is not performed. The Statistics Facility continues processing.

**Corrective Action:** Notify BMC Software Customer Support.

STO196S STATISTICS FILE DYNAMIC ALLOCATION ERROR rc/rsn/dsn

**Explanation:** Dynamic allocation of Statistics file dsn failed with return code rc and reason code rsn.

Statistics accumulation is not performed.

**Corrective Action:** See the IBM manual *MVS Programming: Authorized Assembler Services Guide* to determine this cause of the error, and correct the error accordingly. If not successful, contact BMC Software Customer Support.

STO197I CONTROL-O STATISTICS GLOBAL RESET COMPLETE

**Explanation:** This information message indicates that a global statistics reset was completed successfully.

Global statistics reset command F CONTROLO, RESETSTAT was issued and performed successfully.

**Corrective Action:** No action is required.

STO198E RESET OF DATE FOR MESSAGE ID msgId FAILED

**Explanation:** Statistics for message ID msgId were reset as requested, but due to an internal error, update of the last reset date was not successful.
Statistics are reset. The Statistics Facility continues processing, but the indicated last reset date is incorrect.

**Corrective Action:** Notify BMC Software Customer Support.

**STO199I STATISTICS OF MESSAGE ID msgId RESET**

**Explanation:** This informative message indicates that the requested statistics reset for message ID msgId was successfully performed.

**Corrective Action:** No action is required.

**Messages STO200 through STO2xx**

This group includes messages for the Control-O product.

**STO240W STATISTICS FILE NEARLY FULL - percentage USED**

**Explanation:** Highlighted, unrollable message.

The Statistics file is approaching its maximum capacity.

The Statistics file continues accumulating statistics until it becomes full.

**Corrective Action:** The user can take one of three actions:

- Reformatted the Statistics file using installation job DEFSTAT. This deletes all saved statistics and restarts the tracking process.
- Enlarge the Statistics file using the CTOCSF utility. This retains the existing statistics and increases the space available for the tracking of new message IDs.
- Do nothing. If the Statistics file becomes full, statistics of message IDs which exist in the file will continue to be tracked, but new message IDs will not be added to the file.

**STO241E STATISTICS FILE IS FULL. NEW MESSAGE IDS WILL BE LOST**

**Explanation:** Highlighted, unrollable message.

The Statistics file is full.

All statistics records according to the number (STREC#) set in the CTOPARM parameter file have been utilized.

Control-O continues to collect statistics for existing messages, but the statistics for new message IDs are not saved.

**Corrective Action:** The user can take one of three actions:

- Reformatted the Statistics file using installation job DEFSTAT. This deletes all saved statistics and restarts the tracking process.
- Enlarge the Statistics file using the CTOCSF utility. This retains the existing statistics and enables new message IDs to be tracked.
- Do nothing. Statistics of message IDs which exist in the file will continue to be tracked. Statistics of new message IDs will not be tracked.
SUB messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages SUB100 through SUB1xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**SUB130I jobName/jobId OID=orderId RELEASED**

**Explanation:** This information message indicates that the Control-M monitor released a job for execution.

Jobs ordered by the On Spool Facility are not submitted by Control-M. They are released for execution by Control-M using an operator command.

**Corrective Action:** No action is required.

**SUB131I SUBMITTER STARTED**

**Explanation:** This information message is generated when the Control-M monitor internal submitter task starts.

**Corrective Action:** No action is required.

**SUB132I taskType memName stcname OID=orderId/STARTED**

**Explanation:** This information message indicates that the started task specified in the member parameter started.

Normal message when starting a started task.

**Corrective Action:** No action is required.

**SUB133I taskType memName jobName/jobId OID=orderId SUBMITTED FROM LIBRARY lib**

**Explanation:** This information message indicates that a job has been submitted.

**Corrective Action:** No action is required.

**SUB134E taskType memName jobName/jobId OID=orderId OPEN OF MEMBER FAILED**

**Explanation:** Open of the memName member for submission failed.

This could be due to one of the following:
The member does not exist in the specified library.

Insufficient memory to open the memName member.

The job will not be submitted and the job will finish with NOT SUBMITTED status for reason NOMEM.

Corrective Action: No action is required.

1. Check for the existence of the member in the library.
2. Increase the Control-M monitor REGION size.

SUB135E taskType memName jobName/jobId OID=orderId SUBMIT FAILED

Explanation: Submission of job failed.

Control-M Log should contain a prior message concerning the reason for failure.

Corrective Action: Check the Control-M Log for the failure reason.

SUB136E taskType memName jobName/jobId OID=orderId NO JOB CARD

Explanation: A job statement is missing in the member.

The member specified in the member parameter does not contain a job statement.

Corrective Action: No action is required.

- Check the contents of the memName member. If necessary, correct and rerun.
- Check if the JCL member is in ISPF format. Control-M does not support this format.

SUB137W taskType memName jobName/jobId OID=orderId MORE THAN ONE JOB CARD

Explanation: The memName member contains more than one job statement.

Control-M submits all the jobs in the member but controls the first one only.

Corrective Action: It is highly recommended to put only one job statement (one job) in a member.

SUB138E OID=orderId READING OF THE SYSOUT OF PREVIOUS RUN(S) OF ORDERID orderId FAILED

Explanation: Control-M was unable to read the archived sysout of previous runs of the job.

For restarted jobs only, Control-M/Restart retrieves all the required information from the sysout of the job. For restarted NJE jobs, the Control-M monitor must read the sysout since it may not be available on the remote processor. The likely reason that the sysout was not found is that it was manually deleted.

The job will not be submitted (and therefore not restarted) by Control-M.

Corrective Action: Check why the archived sysout was not available for reading. If the CDAM files were manually deleted, the restart cannot be run. If the sysout still exists, contact your INCONTROL administrator.
SUB139S INITIALIZATION OF SUBMITTER FAILED

Explanation: Initialization of Control-M monitor internal submitter task failed. Control-M monitor shuts down.

Corrective Action: Check the IOA Log and the computer log for the reason of failure.

SUB13AI task-type task-name OID=order-id SUBMITTER STARTED

Explanation: This information message indicates that Control-M has begun the submission process for the indicated task. Message SUB133I will follow and indicates the task was submitted.

Corrective Action: No action is required.

SUB140S INSUFFICIENT MEMORY FOR CONTROL-M MONITOR

Explanation: Insufficient memory for Control-M monitor (during the submission process). Control-M monitor will shut down.

Corrective Action: Try to increase the REGION of the Control-M monitor.

SUB141E taskType memName jobName/jobId DSN memLib NOT FOUND

Explanation: The data set described by the memLib parameter is not on the disk. The job will not be submitted, and the job will finish with NOT SUBMITTED status for reason NOLIB.

Corrective Action: Check the validity of the memLib parameter.

SUB142E taskType memName jobName/jobId DSN memLib - DYNAMIC ALLOCATION FAILED

Explanation: Dynamic allocation for the data set specified in the memLib parameter failed. Probable causes are:

- Insufficient memory for Control-M monitor.
- The DALIB1 DD statement is allocated to the Control-M monitor procedure (it should be reserved for Control-M use).
- Other system-related reason.

The job will not be submitted and the job will finish in NOT SUBMITTED status.

Corrective Action: Do one of the following:

- Increase Control-M monitor REGION size.
- Omit the DALIB1 DD statement from the Control-M monitor procedure.
- See the IOA Log, the computer log, and the Control-M monitor sysout for additional messages that will clarify the reason.

If all the above steps fail, call BMC Software Customer Support for assistance.
SUB143E  taskType memName jobName/jobId orderId INTERNAL ERROR ON routineName MISSING PARAMETER. NOTIFY THE IOA ADMINISTRATOR

Explanation: Internal error in the Control-M monitor.
Depending on the severity of the problem, the Control-M monitor will shut down, or at least the job submission will be stopped.

Corrective Action: Have your system programmer call your IOA administrator for assistance. If the Control-M monitor keeps shutting down, hold the problematic job order in the Control-M Active Environment screen (3).

SUB144E  taskType memName jobName/jobId OID=orderId INTERNAL ERROR ON routineName ACT BEFORE INIT. INFORM IOA ADMINISTRATOR

Explanation: Internal error in Control-M monitor.
 Depending on the severity of the problem, the Control-M monitor will shut down, or at least the job submission will be stopped.

Corrective Action: Have your system programmer call your IOA Administrator for assistance. If the Control-M monitor keeps shutting down, hold the problematic job order in the Control-M Active Environment screen (3).

SUB145E  taskType memName jobName/jobId OID=orderId ERROR IN IOAMEM FUNCTION func: RETURN CODE rc

Explanation: Internal error in Control-M monitor.
The eight digits that rc represents include a 4-digit reason code and a 4-digit return code. For more information on these codes, see the description of IOAMEM in the INCONTROL for z/OS Administrator Guide.
Job submission stops. In some cases, the Control-M monitor will shut down.

Corrective Action: Ask your INCONTROL administrator for assistance. If the Control-M monitor shuts down repeatedly, use the H option of the Control-M Active Environment screen (3) to hold the order that is causing the problem.
If the return code indicates that an abend has occurred, check the Control-M system log for system messages associated with the abend.

SUB146W  taskType memName jobName/jobId OID=orderId TOO MANY DSNAMES FOR CTMLIB

Explanation: Internal Table Overflow in AutoEdit processing.
There is a limit to the number of libraries which may be open simultaneously in the process of submission of a single job. In the processing of AutoEdit variables each time a library is named in a %INCLIB statement which is not the last statement of the current %INCMEM, an entry is made in an internal table. This table’s capacity has been exceeded.
The Control-M monitor shuts down with error.
Corrective Action: While the Control-M monitor is shut down, hold the job order causing the problem. Delete it after the Control-M monitor is restarted. The job must be simplified before it can be successfully processed by Control-M.

SUB147S INITIALIZATION OF MAIN LIB FAILED. DDNAME ddName

Explanation: The Control-M JCL library initialization failed (the DALIB DD statement).
This message is issued for one of the following reasons:
- The Control-M monitor could not be initialized.
- The user attempted to order or force a job which cannot be found.
- The problem can be due to one of the following:
  - The DALIB DD statement is missing from the Control-M monitor procedure.
  - The data set referenced by the DALIB DD statement is not a partitioned data set with record length 80.
  - Other reasons described in the System log.

System action depends on the following:
- If the Control-M monitor indicates a problem with the [main library], the monitor will shut down.
- If the message indicates that a job could not be found, the order/force request is ignored.
Corrective Action: Check the computer log and/or the IOA Log file for messages which describe the problem. Correct the problem. If necessary, restart the Control-M monitor.

SUB148E taskType memName jobName/jobId OID=orderId DSN NOT CATALOGED

Explanation: Data set described by the MEMLIB or OVERLIB parameter is not cataloged.
The job will not be submitted, and it will finish with NOT SUBMITTED status for reason NOLIB.
Corrective Action: Check the validity of the MEMLIB or OVERLIB parameter.

SUB149W taskType memName jobName/jobId OID=orderId DSN memLib IN USE (DISP=OLD)

Explanation: The data set described by the memLib parameter is in use.
Another user is holding the library using the statement DISP=OLD.
Submission of this member will be tried again after a few seconds.
Corrective Action: See if the user who is holding the library can free it.

SUB14AE JOB memName OID=orderId NOT SUBMITTED, MIGRATED DSN lib

Explanation: Highlighted, unrollable message.
The job was not submitted because the library that contains its member migrated.
The job is not submitted and is assigned a NOTOK status for reason NOLIB.

**Corrective Action:** Restore the library to disk and submit the job again.

```plaintext
SUB150E  taskType memName jobName/jobId OID=orderId UNEXPECTED ERROR ON CTMLIB FUNCTION func. NOTIFY THE IOA ADMINISTRATOR
```

**Explanation:** Internal error in the Control-M monitor.

Depending on the severity of the problem, the Control-M monitor will shut down, or at least the job submission will be stopped.

**Corrective Action:** Have your system programmer call your IOA administrator for assistance. If the Control-M monitor keeps shutting down, hold the problematic job order in the Control-M Active Environment screen (3).

```plaintext
SUB151E  taskType memName jobName/jobId DSN memLib - NOT A LIBRARY
```

**Explanation:** The data set described by the `memLib` parameter is not a library supported by Control-M. The job will not be submitted and it will finish with NOT SUBMITTED status for reason NOLIB.

**Corrective Action:** Check the validity of the `memLib` parameter.

```plaintext
SUB152E  taskType memName jobName/jobId DSN memLib - RECFM NOT FIXED
```

**Explanation:** Record format of the data set described by the `memLib` parameter is not fixed. The job will not be submitted and it will finish with NOT SUBMITTED status for reason NOLIB.

**Corrective Action:** Check the validity of the `memLib` parameter.

```plaintext
SUB153E  taskType memName jobName/jobId DSN dsn - LRECL GREATER THAN 255
```

**Explanation:** Record length of the data set described by the `memLib` parameter is greater than 255. The job will not be submitted and it will finish with NO MEMBER status for reason NOMEM.

**Corrective Action:** Use library with data set record length less than 256, as described by the `memLib` parameter.

```plaintext
SUB158S SHUT DOWN: INTERNAL ERROR
```

**Explanation:** Internal error in Control-M monitor submitter.

Control-M monitor is shut down.

**Corrective Action:** Look in the Control-M Log (open the SHOW window and specify Y in all message types). If this message is preceded by one of the following messages: SUB153E, SUB152E, SUB151E, then it means that the data set allocated to the DALIB DD statement of the Control-M monitor is not a PDS JCL library. Correct the procedure.
Otherwise, have your system programmer call BMC Software Customer Support for assistance.

**SUB159I SHUT DOWN UPON REQUEST OF MAIN TASK**

**Explanation:** This information message indicates that the Control-M monitor shut down upon request of the main task.

The Control-M monitor shuts down.

**Corrective Action:** No action is required.

**SUB160I USER EXIT CTMX002 IS NOT ACTIVE**

**Explanation:** This information message indicates that User Exit CTMX002 is not active.

Exit CTMX002 checks each line of the submitted job. However, this exit, which is supplied by Control-M, was not found - which means that the module was probably deleted.

Processing proceeds without checking each line of the submitted job.

**Corrective Action:** Check whether or not Exit CTMX002 was erroneously deleted from the IOA Load library. Notify your INCONTROL administrator.

**SUB161E taskType memName jobName/jobId OID=orderId SEVERE INTERNAL ERROR WHILE PROCESSING AUTOEDIT INSTRUCTIONS, RC=rc. SUBMISSION CANCELLED**

**Explanation:** Severe Control-M internal error during submission of member.

The error occurred in the AutoEdit language interpreter.

Depending on the severity of the error, Control-M monitor will shut down, or at least job submission will be cancelled.

**Corrective Action:** Have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support. You will probably be able to submit the member if you change (or omit) your AutoEdit control statements in the member, but please keep a copy of the original member for problem resolution. If you hold the job order, Control-M monitor will not shut down.

**SUB162E taskType memName jobName/jobId OID=orderId INVALID RETURN CODE FROM EXIT exitName - rc PROCESSING CONTINUES**

**Explanation:** Invalid return code from the `exitName` user exit.

Submission of the member continues.

**Corrective Action:** Have your system programmer correct the user exit. Check the submitted job very carefully for possible errors.

**SUB163E taskType memName jobName/jobId OID=orderId SUBMISSION CANCELLED DUE TO REQUEST FROM EXIT exitName**

**Explanation:** Submission cancelled due to a request from the `exitName` user exit.
Job submission is terminated by a deliberate JCL error in the JCL stream. The job status will be not submitted reason CANCEL.

**Corrective Action:** Look for additional messages in the IOA Log. If you do not understand the reason for the cancellation of submission, ask your system programmer.

**SUB164I taskType memName jobName/jobId OID=orderId msg**

**Explanation:** This information message is generated by Control-M submission exit CTMX002. The message usually explains the reason for cancelling the submission of the job, but it may be only an informational message.

**Corrective Action:** No action is required.

**SUB165E taskType memName jobName/jobId OID=orderId SUBMISSION CANCELLED - JOB CARD CANNOT BE RESOLVED BY CONTROL-M**

**Explanation:** Invalid format of job statement in member.

Job submission is terminated. The job status will be NOT SUBMITTED reason NOJOB.

**Corrective Action:** Correct the JCL in the `memName` member and rerun the job.

**SUB166E SUBMITTER FAILURE. CTMLIB ABENDED abCode ON FUNCTION func OID=orderId**

**Explanation:** Highlighted, unrollable message.

An abend has occurred while trying to read a member. The abend code and function can suggest the cause of the problem.

Control-M monitor does not abend. Processing of other jobs continues, but the job submission is terminated.

**Corrective Action:** Resolve the problem according to the abend code and rerun the job.

**SUB167E taskType memName jobName/jobId OID=orderId SUBMISSION CANCELLED DUE TO REQUEST FROM AUTOEDIT FACILITY**

**Explanation:** Submission cancelled due to a request from Control-M AutoEdit facility due to severe AutoEdit syntax error.

Control-M Log should contain prior messages concerning the type of AutoEdit error.

Job submission is terminated by a deliberate JCL error in the JCL stream. The job status will be NOT SUBMITTED reason CANCEL.

**Corrective Action:** Correct the AutoEdit statements causing the problem and rerun the job.

**SUB168S taskType memName jobName/jobId OID=orderId CONTROL-M SHUTTING DOWN - COMMUNICATION TO "JES" NOT AVAILABLE**

**Explanation:** Highlighted, unrollable message.

The Control-M monitor cannot communicate with JES, and therefore shuts down.
This can be due to the following:

- JES is not working or is in the process of shutting down.
- A subsystem of JES stopped working. JES will probably shut down soon with error, or may get stuck.
- Some problem with JES operation.
- Error in Control-M interface to JES.

The Control-M monitor shuts down as a precaution. If something is wrong with JES, then the results of job submission or initiating of a started task may be unpredictable.

Corrective Action: If the problem is JES-related, after the JES problem is solved, start the Control-M monitor again.

If you cannot find the cause of the problem, have your system programmer prepare the Control-M monitor full output and contact BMC Customer Support. The sysout of the DADUMP2 DD statement of the Control-M monitor procedure should contain a dump of problem related areas which can help the Control-M support team.

In any case, try to start Control-M monitor again. Production must continue.

SUB169E taskType memName jobName/jobId OID=orderId SEVERE INTERNAL ERROR WHILE STARTING A STARTED TASK RC=rc. TASK WAS NOT STARTED

Explanation: Severe Control-M monitor error while starting a started task.

The problem is probably in the Control-M monitor communication with JES. The rc can be interpreted by the Control-M support team.

Control-M monitor submission task will abend with U0042.

The Control-M monitor will abend on U0006.

Corrective Action: Start the Control-M monitor again. If the problem repeats, hold the started task which causes the problem (it will be in WAIT START state on the Active Environment screen). If the problem continues to appear for every started task, hold all the started tasks that should be started by Control-M. This will allow the jobs to run while someone tries to resolve the problem. Keep the dumps and contact your IOA representative.

SUB170E SEVERE INTERNAL ERROR WHILE RELEASING AN ON SPOOL JOB RC=rc OID=orderId. JOB NOT RELEASED

Explanation: When the On Spool Facility tried to get the status of the job before releasing it, it received an unknown return code from the subsystem request.

The job is not released.

Corrective Action: Have your INCONTROL administrator prepare the Control-M monitor full output and contact BMC Customer Support.
SUB191E taskType memName jobName/jobId OID=orderId SYMBOL NOT RESOLVED - symbol

Explanation: AutoEdit symbol not resolved.

This error message is issued by the CTMJSP program which is used to analyze AutoEdit statements. The symbol could not be found in the symbols environment. For details, see the Control-M for z/OS User Guide.

The variable jobName/jobId does not appear in the message when the error occurs before the job statement is processed.

Job submission is terminated with a reason code of CANCL.

Corrective Action: Correct the AutoEdit syntax in the JCL for the job and rerun it.

SUB192E taskType memName jobName/jobId OID=orderId SYNTAX ERROR. ORIGINAL LINE - lineText

Explanation: Job submission is terminated with a reason code of CANCL. This message is generally issued in one of the following cases:

- An AutoEdit syntax error was detected on original line lineText during analysis and substitution of an AutoEdit statement.
- A reserved Control-M system AutoEdit variable was used invalidly (for example, as the target of an AutoEdit statement or function).

Original line lineText is the original AutoEdit statement before any substitution has taken place.

The variable jobName/jobId does not appear in the message when the error occurs before the job statement is processed.

This message may follow message SUB191E, which describes the error. This message may be followed by message SUB197I, which gives information about the location of the error.

For more information, see the Control-M for z/OS User Guide.

Corrective Action: Correct the AutoEdit syntax in the JCL for the job and rerun it.

If the original line is “SETOLOC%% VARIABLE = val”, insert the line “RESOLVENO” in the original AutoEdit statement above this line.

SUB193E taskType memName jobName/jobId OID=orderId INTERNAL ERROR. LINE - line

Explanation: Internal error while processing AutoEdit statements in the line identified in the message.

This error message is issued by the CTMJSP program which is used to analyze AutoEdit statements.

Job submission is terminated with a reason code of CANCL.

Corrective Action: Have your system programmer call BMC Software Customer Support for assistance.
SUB194E taskType memName jobName/jobId OID=orderId INSUFFICIENT STORAGE TO PROCESS AUTOEDIT STATEMENTS. SUBMISSION CANCELLED

Explanation: Insufficient memory to process AutoEdit statements during job submission.
This error message is issued by the CTMJSP program which is used to analyze AutoEdit statements. Job submission is terminated with a reason code of CANCL.
Corrective Action: Increase the REGION size of the Control-M monitor and rerun the job.

SUB195S BLDL/LOAD OF "CTMMEM" FAILED

Explanation: The CTMMEM module cannot be loaded.
This error message is issued by the CTMJ SP program which is used to analyze AutoEdit statements. This could be due to one of the following:
- The module does not appear in the load module search list.
- There is insufficient memory to load the program.
The Control-M monitor will shut down with an error message.
Corrective Action: Check whether the module is in the IOA Load library. Increase the Control-M monitor REGION size if needed.

SUB196E taskType memName jobName/jobId OID=orderId ERROR IN MEMBER memName LINE lineNum

Explanation: Error in AutoEdit symbols the memName member in the lineNum line.
This error message is issued by the CTMJ SP program which is used to analyze AutoEdit statements. A member loaded by a %%LIBSYM (or %%GLOBAL) command contains data in invalid format. For details, see the Control-M for z/OS User Guide.
The variable jobName/jobId does not appear in the message when the error occurs before the job statement is processed.
Job submission is terminated with a reason code of CANCL.
Corrective Action: Correct the contents of the member.

SUB197I taskType memName jobName/jobId OID=orderId OFFSET offset IN SUBSTITUTED LINE - text

Explanation: This information message follows message SUB192E or SUB198W, which gives the original text of a line at which an AutoEdit problem was encountered.
The variable jobName/jobId does not appear in the message when the error occurs before the job statement is processed. This message indicates that the problem occurred at the specified offset in the partially or fully substituted line.
Corrective Action: No action is required.
**SUB198W** taskType memName jobName/jobId OID=orderId REDUNDANT DATA ON LINE - lineNum

**Explanation:** Redundant text was detected in the original line, during analysis and substitution of an AutoEdit statement.

The line identified in the message is the original AutoEdit statement before any substitution has taken place. This message may be followed by SUB197I, which gives more details about the redundant text.

The redundant text is ignored and AutoEdit processing continues.

**Corrective Action:** No action is required.

**SUB199W** OID=orderId SUBMISSION TERMINATED FOR NON FIRST JOB STREAM IN THE JCL MEMBER memName LIBRARY lib

**Explanation:** The `memName` JCL member contains two or more jobs, but the installation set Control-M default specifies that only the first job in a job member is submitted.

Control-M can control only one job for each member. When more than one job resides in a member, Control-M controls only the first job. The default at your installation specifies that submission of all other jobs be cancelled.

An alternative installation default allows for submission of multiple jobs, with only the first job controlled by Control-M.

Only the first job in the member is submitted.

**Corrective Action:** Separate the member into several members with one job in each member, or contact your INCONTROL administrator to change the installation default to enable submission of multiple jobs in a single member.

**SUB19AW** UNCLOSED %%IF statement

**Explanation:** The submitted job contained a %%IF auto-edit statement that was not closed with a %%ENDIF auto-edit statement. A %%ENDIF auto-edit statement was automatically added to the end of the member to close the statement.

**Corrective Action:** Verify that the %%IF auto-edit statement is complete.

**SUB19BW** MISSING LABEL REFERENCED BY ACTIVE %%GOTO STATEMENT: <label>

**Explanation:** The "%%GOTO labelx" auto-edit statement is active, but the "%%LABEL labelx" auto-edit statement is not found in the JCL member.

Control-M processes the job as if the "%%LABEL labelx" auto-edit statement is at the end of the JCL member.

**Corrective Action:** Add the "%%LABEL labelx" auto-edit statement to its correct position in the JCL member.
SUB1A1W OID=orderId JOB CARD TOO LONG. CONTROL-M WILL NOT ADD MSGCLASS/MSGLEVEL/RESTART PARAMETERS

Explanation: The last line of the JOB statement was too long (past column 70), so that Control-M was unable to add more lines to the JOB statement.

Control-M requires correct MSGCLASS and MSGLEVEL parameters in order to analyze the result of the job's run. If these parameters are invalid or missing, Control-M tries to add default values for them to the JOB statement. Furthermore, Control-M may add a RESTART parameter to the job if needed.

Addition of any of these parameters may require the adding of another JCL line, which in turn requires the adding of a comma (,) to the last existing line. If there is no room at the end of the last existing line to add the comma, the additional line (and therefore, the additional parameters) cannot be added.

Control-M will submit the job as is, without changing any of the mentioned parameters.

Corrective Action: Split the last line of the JOB statement into two lines.

SUB1A2E OID=orderId INSUFFICIENT MEMORY TO READ ARCHIVED SYSOUTS

Explanation: The CTMARC internal module failed to read Archived Sysout Data Sets.

The Control-M monitor has attempted to perform a RESTART for an NJE job. As part of this attempt, all archived SYSDATA must be read from the Archived Sysout Data sets and passed as data to the CONTROLR step executed at the remote site. The attempt to read archived SYSDATA has failed due to lack of virtual storage available to the Control-M monitor.

The job submission is cancelled by the Control-M monitor.

Corrective Action: Retry the restart manually. If the problem persists, please report it to your INCONTROL administrator.

SUB1A4E OID=orderId SEVERE INTERNAL ERROR WHILE READING ARCHIVED SYSOUTS. LAST RC=rc. SUBMISSION CANCELLED

Explanation: Error occurred in the CTMARC internal module CTMARC.

When the Control-M monitor attempts to perform a job restart, it calls the CTMARC internal module to obtain information about the location of the archived SYSDATA for that job. That information must be passed to the CONTROLR step as data during job submission. The error rc indicates the nature of the problem. Possible errors which might occur in the module are:

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>The name of Archived Sysout Data Set does not follow the Control-M/Restart naming convention for this type of data set.</td>
</tr>
<tr>
<td>16</td>
<td>Archived sysout data sets (which are accessed to retrieve archived SYSDATA) belong to another job.</td>
</tr>
</tbody>
</table>

The job submission is cancelled by the Control-M monitor.
Corrective Action: Please contact BMC Software Customer Support for assistance.

SUB1A5E OID=orderId NO RECORDS ABOUT JOB’S PREVIOUS RUN(S). RESTART IMPOSSIBLE

Explanation: An internal error occurred in Control-M.
A job has been rescheduled for restart but the result of the original run of the job is not available. Job restart cannot be performed before the original run has finished execution.
The job submission is cancelled by the Control-M monitor.

Corrective Action: Please contact BMC Software Customer Support for assistance.

SUB1A6W OID=orderId OPEN OF STATISTICS FILE FAILED. RC=rc ERROR=err

Explanation: This information message is generated if an attempt to open the Control-M Job Statistics file fails.
Possible causes are:
- The DASTAT DD statement is missing.
- A VSAM open error occurred.

Corrective Action: Look for VSAM messages or other system messages, and correct the JCL for the Control-M monitor procedure.

SUB1A7W OID=orderId MISSING JOB STATISTICS. SHOUT WHEN EXECTIME PARAMETER IGNORED

Explanation: This information message is generated if job statistics data is missing from the Job Statistics file.
Possible causes are:
- The DASTAT DD statement is missing or there was a VSAM open error (if this message was preceded by the SUB1A6I message).
- The Job Statistics file contains no information about the previous executions of the job.

Corrective Action: Use the CTMJ SA utility to accumulate statistics data from the IOA Log in order to have most updated Job Statistics file. All the relative SHOUT WHEN EXECTIME messages, which rely on the statistic average exectime will be ignored.

SUB1A8E ACCESS DENIED TO JCL LIBRARY lib

Explanation: The user (specified in the USER field of the Job Scheduling Definition) is not authorized to access the JCL library specified in the Job Scheduling Definition.
The job is not submitted.

Corrective Action: Correct the LIBRARY field in the Job Scheduling Definition, and reorder the job.
SUB1A9E OID=orderId SYSOUT OF THE JOB'S PREVIOUS RUN WAS LOST. JOB IS NON RESTARTABLE

Explanation: Internal error in Control-M.
A job has been rescheduled for restart but all Archived Sysout Data Sets were deleted prior to submission of the restarted job.
The job submission is cancelled by the Control-M monitor.

Corrective Action: Try to determine why the Archived Sysout Data Sets were deleted before the job entry was deleted from the Control-M Active Jobs file.
Please refrain from manual deletion of these files.
If the files were not deleted manually, but were deleted by Control-M processing, please notify BMC Software Customer Support for assistance.

TIM messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages TIM300 through TIM3xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

TIM300I CONTROL-M TIMER STARTED

Explanation: This information message indicates that the Control-M monitor internal timer task started. It is routinely issued when the Control-M monitor is started.
Corrective Action: No action is required.

TIM301I SHUT DOWN UPON REQUEST FROM MAIN TASK

Explanation: This information message announces the shutdown of the Control-M monitor.
Shutdown of Control-M timer task upon request from Control-M main task.
Control-M monitor shuts down.
Corrective Action: No action is required.

TIM302I INTERVAL CHANGED FROM num1 TO num2 SECONDS

Explanation: This information message is generated by a change to the Control-M monitor “sleeping” interval by an F CONTROLM, INTERVAL= xx command.
The variables in this message are:
INCONTROL for z/OS Messages Manual

- **num1** - the old "sleeping" interval value
- **num2** - the new "sleeping" interval value

**Corrective Action:** No action is required.

**TMD messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages TMD300 through TMD3xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**TMD300I CONTROL-D TIMER STARTED**

**Explanation:** This information message indicates that the Control-D monitor internal timer task started. It is routinely issued when the Control-D monitor is started.

**Corrective Action:** No action is required.

**TMD301I SHUT DOWN UPON REQUEST FROM MAIN TASK**

**Explanation:** This information message announces the shutdown of the Control-D monitor. Shutdown of Control-D timer task upon request from Control-D main task.

**Corrective Action:** No action is required.

**TMD302I INTERVAL CHANGED FROM nn TO nn SECONDS**

**Explanation:** This information message is generated when the Control-D monitor “sleeping” interval is changed by an F CONTROLD,INTERVAL= xx command.

The variables in this message are:
- **num1** - the old "sleeping" interval value
- **num2** - the new "sleeping" interval value

**Corrective Action:** No action is required.

**TMO messages**

This group includes messages for the Control-O CMEM product.
Messages TMO0 through TMO0xx

This group includes messages for the Control-O CMEM product.

TMO001I {CONTROL-O | CTMCMEM} monitor TIMER SUBTASK STARTED.

LEVEL sting

Explanation: This information message indicates the start of the Control-O TIMER task, which controls the product timer and cleanup processing.

Corrective Action: No action is required.

TMO002I {CONTROL-O | CTMCMEM} TIMER SUBTASK ENDED.

Explanation: This information message indicates the normal termination of the Control-O TIMER task which controls the product timer and cleanup processing.

Corrective Action: No action is required.

TMO004I SVCDUMP WAS CAPTURED SUCCESSFULLY.

Explanation: The Control-O or CMEM monitor successfully captured an SVC dump as a result of an internal process request.

The monitor continues to operate normally.

Corrective Action: Verify that the dump has been successfully written to the system dump files.

TMO005E SVCDUMP WAS FAILED. A PARTIAL DUMP WAS TAKEN BECAUSE THE DUMP DATA SET DID NOT HAVE SUFFICIENT SPACE.

Explanation: The Control-O or CMEM monitor tried to dump the monitor and ECSA. The dump request failed because the dump dataset is too small to contain all the areas that are dumped.

The monitor continues to operate normally.

Corrective Action: Increase the dump files, since they are too small for Control-O or CMEM requirements. Take into account that the ECSA is also dumped by the request.

TMO006E SVCDUMP CAPTURED FAILED RC 8 REASON=reason (HEX).

Explanation: The Control-O or CMEM monitor tried to dump the monitor and ECSA storage areas. The dump request failed. The SDUMPX system service returns a return code of 8.

The monitor continues to operate normally.

Corrective Action: Refer to SDUMPX Reason Codes for Return Code 08 in IBM's MVS Programming Authorized Assembler Services Reference.

TMO007W RELEASING DEAD WSC AT address JOBNAME=jobName ASID=number

Explanation: The Control-O or CMEM monitor found that the WSC block is marked as in use, but it is not in use.
The monitor continues to operate normally. It may issue an SVCDUMP request.

Corrective Action: If a SVCDUMP is taken, save it. If the message is issued often, send the following information to BMC Software Customer Support:
- The SVCDUMP file
- The monitor’s SYSOUTs

BMC Software Customer Support will analyze the dump to find why the WSC was not released.

TMO008W  RELEASING WSC AT  address  JOBNAME=jobName  ASID=number

Explanation: The Control-O or CMEM monitor found that the WSC block has been marked as being in use for a very long time. Normally, the Control-O or CMEM process should hold the WSC block only for a very short time.

The monitor continues to operate normally. It may issue an SVCDUMP request.

Corrective Action: If a SVCDUMP is taken, save it. If the message is issued often, send the following information to BMC Software Customer Support:
- The SVCDUMP file
- The monitor’s SYSOUTs

BMC Software Customer Support will analyze the dump to find why the WSC was not released.

TMO009I  TIMEOUT WSC AT  address  JOBNAME=jobName  ASID=number

Explanation: The Control-O or CMEM monitor found that the WSC block has been marked as being in use for a very long time. Normally, the Control-O or CMEM process should hold the WSC block only for a very short time.

The monitor continues to operate normally. The monitor will check the WSC again in subsequent cycles and then decide what action to take.

Corrective Action: If a SVCDUMP is taken, save it. If the message is issued often, send the following information to BMC Software Customer Support:
- The SVCDUMP file
- The monitor’s SYSOUTs

BMC Software Customer Support will analyze the dump to find why the WSC was not released.

TPM messages

This group includes messages for the IOA (infrastructure) product.

Messages TPM100 through TPM1xx

This group includes messages for the IOA (infrastructure) product.
TPM160E mediaName - INTERNAL ERROR IN VOLSER LIST FOR DSN dsn

Explanation: Media mediaName encountered an internal error while trying to access an extent of data set dsn.

The user request is not executed. Depending on internal error severity, one of the following actions occurs:

- Media mediaName terminates. The IOA Archive Server continues processing.
- Media mediaName abends with User Abend 0007. The IOA Archive Server terminates with User Abend 0006. The output includes a dump of the abend.

Corrective Action: Check the IOA Log file and system log for messages describing the error. Contact the system programmer for assistance, if needed. If the problem is not resolved, record the return code and contact BMC Software Customer Support.

TPM161S mediaName - INTERNAL ERROR ENCOUNTERED - RC=rc

Explanation: Media mediaName encountered an internal error.

The user request is not executed. Depending on internal error severity, one of the following actions occurs:

- Media mediaName terminates. The IOA Archive Server continues processing.
- Media mediaName abends with User Abend 0007. The IOA Archive Server terminates with User Abend 0006. The output includes a dump of the abend.

Corrective Action: Check the IOA Log file and system log for messages describing the error. Contact the system programmer for assistance, if needed. If the problem is not resolved, record the return code and contact BMC Software Customer Support.

TPM162E mediaName - DSN dsn IS CATALOGED ON MORE THAN 5 VOLUMES

Explanation: An attempt was made to access an extent of the dsn data set which spans more than five volumes.

The viewing of reports from a data set which migrated on more than five volumes is not supported.

The user request is not executed.

Corrective Action: No action is required.

TPM163E mediaName - DSN "dsnt" IS SECOND FILE ON MULTI-VOLUME SET

Explanation: IOASMON detected a file that was created as a second file on the second volume of a multi-volume set.

An error during the migration process caused a file to be written as the second file on the second volume of a multi-volume set. This might cause a dead-lock while servicing the retrieval request. To avoid the possibility of a deadlock, the retrieval request is rejected.

The retrieval request is rejected.
Corrective Action: Unmigrate the report, re-decollate and migrate the report again.

TRE messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages TRE100 through TRE1xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

TRE150I LOADING OF RECIPIENT TREE STARTED

**Explanation:** This information message indicates that the loading of the Control-D Recipient Tree started. It is routinely issued when the Recipient Tree is being loaded.

**Corrective Action:** No action is required.

TRE151S OPEN OF RECIPIENT TREE MEMBER FAILED - DDNAME "DATREE"

**Explanation:** An attempt to open the Recipient Tree definition member failed.

Possible causes are:
- The DATREE DD statement is missing.
- The file allocated to the DATREE DD statement is not the Control-D Recipient Tree.
- The attempt to open the tree member referenced by the DATREE DD statement failed.

This message can be produced in the following situations:
- during initialization of the Control-D monitor or Printers Control monitor
- when security checking in the Online User Report List screen
- when using KeyStroke Language (KSL) scripts
- when issuing Control-D operator command LOADTREE to a Control-D component

**Corrective Action:** The System Action and User Response are shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>System Action</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor or Printers Control monitor</td>
<td>The Control-D monitor shuts down.</td>
<td>Modify the JCL procedure (CONTROLD/CTDPRINT) DATREE DD statement to point to the correct library and member, and bring up Control-D.</td>
</tr>
<tr>
<td>When Message Issued</td>
<td>System Action</td>
<td>User Response</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>When security checking in the Online User Report List screen</td>
<td>The user will not be able to enter the User Report List screen.</td>
<td>Modify the CLIST (CTDISPF, CTMISPFD, DMAN, ROSDMAN, ROSTMAND, TMAND) DATREE DD statement to point to the correct library and member, exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>When using KeyStroke Language (KSL) scripts</td>
<td>The job will end with errors. KSL reports will not be produced.</td>
<td>Modify the JCL procedure (CTDRKSL/CTMRKSLD) to point to the correct library and member name, and rerun the job.</td>
</tr>
<tr>
<td>When issuing Control-D operator command LOADTREE to a Control-D component</td>
<td>The new Recipient Tree will not be loaded. Control-D (or another component) will continue using the “old” Recipient Tree.</td>
<td>Modify the Recipient Tree using the Online Recipient Tree Definition screen, and reenter the LOADTREE operator command.</td>
</tr>
</tbody>
</table>

TRE152E PARENT `parent OF RECIPIENT `recipient` IS NOT IN THE TREE OR PARENT LEVEL IS INCORRECT - RECIPIENT IGNORED

**Explanation:** The recipient entry with the name and level specified in the parent name and parent level fields is not found in the Recipient tree.

This message can be produced in the following situations:

- during the initialization of the Control-D monitor and Printers Control monitor
- when entering the Online User Report List screen
- the KeyStroke Language
- the Control-D operator command LOADTREE was issued
- the IOAOMON1 operator command LOADTREE was issued
- when IOAOMON1 is initialized
- when saving an edited tree
- when executing the CHECK command to verify the tree

The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree.
Corrective Action: Correct the parent name in the Recipient Tree using the Online Recipient Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Recipient Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When the IOAOMON1 operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When IOAOMON1 is initialized</td>
<td>Issue a LOADTREE operator command for IOAOMON1.</td>
</tr>
<tr>
<td>When saving an edited tree</td>
<td>Correct the tree and resave.</td>
</tr>
<tr>
<td>When executing the CHECK command to verify the tree</td>
<td>Correct the tree and reissue the command.</td>
</tr>
</tbody>
</table>

TRE153E INVALID LEVEL /lvl OF RECIPIENT recip - RECIPIENT IGNORED

Explanation: An invalid Recipient Tree level has been entered.

The Recipient Tree levels are installation defined (the CTDPARM member). The valid levels are displayed at the top of the Control-D Recipient Tree screen. This message can be produced under in one of the following situations:
The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree.

**Corrective Action:** Enter a valid Recipient Tree level in the Recipient Tree using the Online Recipient Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Recipient Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When the IOAOMON1 operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When IOAOMON1 is initialized</td>
<td>Issue a LOADTREE operator command for IOAOMON1.</td>
</tr>
<tr>
<td>When saving an edited tree</td>
<td>Correct the tree and resave.</td>
</tr>
<tr>
<td>When executing a CHECK command to verify the tree</td>
<td>Correct the tree and reissue the command.</td>
</tr>
</tbody>
</table>

**TRE154S INSUFFICIENT MEMORY TO LOAD THE RECIPIENT TREE - LOADING ABORTED**

**Explanation:** Insufficient memory to load the Recipient Tree.

The loading of the Recipient Tree is aborted. This message can be produced in the following situations:
During the initialization of the Control-D monitor and Printers Control monitor.

When security checking in the Online User Report List screen.

The KeyStroke Language.

When the Control-D operator command LOADTREE was issued.

**Corrective Action:** The System Action and User Response are shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>System Action</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>The Control-D monitor will shut down.</td>
<td>Increase the REGION parameter of the Control-D monitor and Printers Control monitor - JCL procedures CONTROLD and CTDPRINT.</td>
</tr>
<tr>
<td>While security checking in the Online User Report List screen</td>
<td>The user cannot enter the Online Recipient Tree Definition screen.</td>
<td>Log on again using a larger SIZE parameter.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>The job ends with errors. KSL reports are not produced.</td>
<td>Increase the REGION parameter of the job, and rerun.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>The new Recipient Tree is not loaded. Control-D continues using the “old” Recipient Tree.</td>
<td>Increase the REGION parameter of the Control-D monitor and Printers Control monitor - JCL procedures CONTROLD and CTDPRINT. Bring down Control-D, and then up again.</td>
</tr>
</tbody>
</table>

TRE155S THE RECIPIENT TREE IS EMPTY. LOADING ABORTED

**Explanation:** The Recipient Tree is empty. Loading is aborted.

The Recipient Tree must be defined using the Installation Parameters. This message can be produced in the following situations:

- During the initialization of the Control-D monitor and Printers Control monitor.
- When security checking in the Online User Report List screen.
- The KeyStroke Language.
- The Control-D operator command LOADTREE was issued.

The following system actions can occur, depending on the situation:
During initialization of the Control-D monitor and Printers Control monitor: The Control-D monitor shuts down.

When security checking in the Online User Report List screen: The user cannot enter the Online Recipient Tree Definition screen.

The KeyStroke Language: The job ends with errors. KSL reports are not produced.

The Control-D operator command LOADTREE was issued: The new Recipient Tree is not loaded. Control-D continues using the “old” Recipient Tree.

**Corrective Action:** Delete this Recipient Tree member from the library, then generate a new Recipient Tree using the Online Recipient Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Bring up the Control-D monitor.</td>
</tr>
<tr>
<td>When security checking in the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
</tbody>
</table>

**TRE157E INVALID LEVEL \l/vl OF PARENT parent IN RECIPIENT recip**

**Explanation:** The Recipient Tree level entered for the parent of this recipient is invalid.

The valid levels are displayed at the top of the Recipient Tree screen. This message can be produced in the following situations:

- during the initialization of the Control-D monitor and Printers Control monitor
- when entering the Online User Report List screen
- the KeyStroke Language
- the Control-D operator command LOADTREE was issued
- the IOAOMON1 operator command LOADTREE was issued
- when IOAOMON1 is initialized
- when saving an edited tree
- when executing the CHECK command to verify the tree

The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree.
**Corrective Action:** Correct the level for the parent using the Online Recipient Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Recipient Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When the IOAOMON1 operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When IOAOMON1 is initialized</td>
<td>Issue a LOADTREE operator command for IOAOMON1.</td>
</tr>
<tr>
<td>When saving an edited tree</td>
<td>Correct the tree and resave.</td>
</tr>
<tr>
<td>When executing a CHECK command to verify the tree</td>
<td>Correct the tree and reissue the command.</td>
</tr>
</tbody>
</table>

**TRE158E LEVEL lvl OF THE PARENT parent IS LOWER THAN THE LEVEL OF RECIPIENT recip**

**Explanation:** The level of the parent of the recipient is lower than the level of the recipient being defined.

The level of the parent must be higher than the level of the “child.” (Note that the order can be seen in the Recipient Tree Entry screen).

**Corrective Action:** Enter a parent name with a different level or give the recipient a lower level.

**TRE159E ERROR IN FREEMAIN OF PREVIOUS TREE, LOADING OF NEW TREE CONTINUED**

**Explanation:** The freeing of the memory for the previous Recipient Tree failed.

The Control-D operator command LOADTREE was issued in order to load in a new Recipient Tree. After loading memory for the “new” Recipient Tree, Control-D attempts to free the memory assigned to the “old” Recipient Tree.
The loading of the “new” Recipient Tree will be accepted. However, the memory allocated to the “old” tree will not be freed until Control-D is shut down.

**Corrective Action:** No action is required.

**TRE160I** CONTROL-D RECIPIENT TREE LOADED - *num* RECIPIENTS

**Explanation:** This information message indicates that the Recipient Tree was successfully loaded.

**Corrective Action:** No action is required.

**TRE161E** RECIPIENT *recip* ALREADY IN TREE - CURRENT RECIPIENT ENTRY IGNORED

**Explanation:** The recipient entered (*recip*) is already in the Recipient Tree. The current recipient entry is ignored.

A recipient name (not synonym) can only appear once in the Recipient Tree. This message can be produced in the following situations:

- When entering the Online User Report List screen.
- The KeyStroke Language.
- The Control-D operator command LOADTREE was issued.
- The IOAOMON1 operator command LOADTREE was issued.
- When IOAOMON1 is initialized.
- When saving an edited tree.
- When executing the CHECK command to verify the tree.
- During the initialization of the Control-D monitor and Printers Control monitor.

The loading of the Recipient Tree will continue. However, this particular recipient will not become part of the Recipient Tree (the first one will).

**Corrective Action:** Delete the duplicate recipient using the Online Recipient Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Recipient Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
</tbody>
</table>
When Message Issued | User Response
---|---
When the IOAOMON1 operator command LOADTREE was issued | Reenter the LOADTREE operator command.
When IOAOMON1 is initialized | Issue a LOADTREE operator command for IOAOMON1.
When saving an edited tree | Correct the tree and resave.
When executing a CHECK command to verify the tree | Correct the tree and reissue the command.

TRE162E USER ENTRY *entry* NOT REBUILT AFTER AN INTERNAL SORT ERROR

**Explanation:** The internal sort of the tree elements failed for the user entry identified in the message. The user entry is disregarded, and processing of the tree is continued.

**Corrective Action:** Contact BMC Software Customer Support.

TRE163E MAXIMUM NUMBER OF PC USERS IS EXCEEDED. PC INFO FOR USER *usr* IS IGNORED

**Explanation:** The number of users authorized for PC file transfer exceeds the maximum number of PC users defined in the PASDPC member in the IOA PARM library.

Maximum number of PC users in PARM library is defined at the time the license is received to use Control-D/WebAccess Server.

All users over maximum will not be able to use file transfer option.

**Corrective Action:** Set AUTHORIZED TO USE PC to N for some users in screen T, or obtain a new license with a greater number of PC users.

TRE165I TREE CHECK ENDED SUCCESSFULLY. *n* RECIPIENTS

**Explanation:** This information message request is generated by the CHKTREE command. The recipient tree was checked and no errors were found. The number of recipients in the tree is displayed.

**Corrective Action:** No action is required.

TRE170I LOADING OF APPROVAL TREE STARTED

**Explanation:** This information message indicates that the loading of the Control-D Approval Tree started. It is routinely issued when the Approval Tree is being loaded.

**Corrective Action:** No action is required.
TRE171S OPEN OF APPROVAL TREE MEMBER FAILED - DDNAME "DAAPPR"

**Explanation:** An attempt to open the Approval Tree definition member failed.

Possible causes are:
- The DAAPPR DD statement is missing.
- The file allocated to the DAAPPR DD statement is not the Control-D Approval Tree.
- The attempt to open the tree member referenced by the DAAPPR DD statement failed.

This message can be produced in the following situations:
- during initialization of the Control-D monitor or Printers Control monitor
- when issuing Control-D operator command LOADTREE to a Control-D component

**Corrective Action:** The System Action and User Response are shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>System Action</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor or Printers Control monitor</td>
<td>The Control-D monitor shuts down.</td>
<td>Modify the JCL procedure (CONTROLD/CTDPRINT) DAAPPR DD statement to point to the correct library and member, and bring up Control-D.</td>
</tr>
<tr>
<td>When issuing Control-D operator command LOADTREE to a Control-D component</td>
<td>The new Approval Tree will not be loaded. Control-D (or another component) will continue using the “old” Approval Tree.</td>
<td>Modify the Approval Tree using the Online Approval Tree Definition screen, and reenter the LOADTREE operator command.</td>
</tr>
</tbody>
</table>

TRE172E PARENT parent OF APPROVAL approval IS NOT IN THE TREE OR PARENT LEVEL IS INCORRECT - APPROVAL IGNORED

**Explanation:** The approval entry with the name and level specified in the parent name and parent level fields is not found in the Approval tree.

This message can be produced in the following situations:
during the initialization of the Control-D monitor and Printers Control monitor
when entering the Online User Report List screen
the KeyStroke Language
the Control-D operator command LOADTREE was issued
the IOAOMON1 operator command LOADTREE was issued
when IOAOMON1 is initialized
when saving an edited tree
when executing the CHECK command to verify the tree

The loading of the Approval tree will continue. However, this particular Approval name will not become part of the Approval Tree.

**Corrective Action:** Correct the parent name in the Approval Tree using the Online Approval Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Approval Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When the IOAOMON1 operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When IOAOMON1 is initialized</td>
<td>Issue a LOADTREE operator command for IOAOMON1.</td>
</tr>
<tr>
<td>When saving an edited tree</td>
<td>Correct the tree and resave.</td>
</tr>
<tr>
<td>When executing the CHECK command to verify the tree</td>
<td>Correct the tree and reissue the command.</td>
</tr>
</tbody>
</table>

**TRE173E INVALID LEVEL */v/* OF Approval - APPROVAL IGNORED**

**Explanation:** An invalid Approval Tree level has been entered.
The Approval Tree levels are installation defined (the CTD Parm member). The valid levels are displayed at the top of the Control-D Approval Tree screen. This message can be produced under in one of the following situations:

- during initialization of the Control-D monitor and Printers Control monitor
- when entering the Online User Report List screen
- the KeyStroke Language
- when the Control-D operator command LOADTREE was issued
- when the IOAOMON1 operator command LOADTREE was issued
- when IOAOMON1 is initialized
- when saving an edited tree
- when executing the CHECK command to verify the tree

The loading of the Approval Tree will continue. However, this particular Approval name will not become part of the Approval Tree.

**Corrective Action:** Enter a valid Approval Tree level in the Approval Tree using the Online Approval Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Approval Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When the IOAOMON1 operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When IOAOMON1 is initialized</td>
<td>Issue a LOADTREE operator command for IOAOMON1.</td>
</tr>
<tr>
<td>When saving an edited tree</td>
<td>Correct the tree and resave.</td>
</tr>
<tr>
<td>When executing a CHECK command to verify the tree</td>
<td>Correct the tree and reissue the command.</td>
</tr>
</tbody>
</table>
TRE174S INSUFFICIENT MEMORY TO LOAD THE APPROVAL TREE - LOADING ABORTED

**Explanation:** Insufficient memory to load the Approval Tree.

The loading of the Approval Tree is aborted. This message can be produced in the following situations:

- During the initialization of the Control-D monitor and Printers Control monitor.
- When security checking in the Online User Report List screen.
- The KeyStroke Language.
- When the Control-D operator command LOADTREE was issued.

**Corrective Action:** The System Action and User Response are shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>System Action</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>The Control-D monitor will shut down.</td>
<td>Increase the REGION parameter of the Control-D monitor and Printers Control monitor - JCL procedures CONTROLD and CTDPRINT.</td>
</tr>
<tr>
<td>While security checking in the Online User Report List screen</td>
<td>The user cannot enter the Online Approval Tree Definition screen.</td>
<td>Log on again using a larger SIZE parameter.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>The job ends with errors. KSL reports are not produced.</td>
<td>Increase the REGION parameter of the job, and rerun.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>The new Approval Tree is not loaded. Control-D continues using the “old” Approval Tree.</td>
<td>Increase the REGION parameter of the Control-D monitor and Printers Control monitor - JCL procedures CONTROLD and CTDPRINT. Bring down Control-D, and then up again.</td>
</tr>
</tbody>
</table>

TRE175S THE APPROVAL TREE IS EMPTY. LOADING ABORTED

**Explanation:** The Approval Tree is empty. Loading is aborted.

The Approval Tree must be defined using the Installation Parameters. This message can be produced in the following situations:

- During the initialization of the Control-D monitor and Printers Control monitor.
- When security checking in the Online User Report List screen.
- The KeyStroke Language.
- The Control-D operator command LOADTREE was issued.

The following system actions can occur, depending on the situation:
During initialization of the Control-D monitor and Printers Control monitor: The Control-D monitor shuts down.

When security checking in the Online User Report List screen: The user cannot enter the Online Approval Tree Definition screen.

The KeyStroke Language: The job ends with errors. KSL reports are not produced.

The Control-D operator command LOADTREE was issued: The new Approval Tree is not loaded. Control-D continues using the “old” Approval Tree.

**Corrective Action:** Delete this Approval Tree member from the library, then generate a new Approval Tree using the Online Approval Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Bring up the Control-D monitor.</td>
</tr>
<tr>
<td>When security checking in the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
</tbody>
</table>

**TRE177E INVALID LEVEL /lv/ OF PARENT /parent/ IN APPROVAL /approval/**

**Explanation:** The Approval Tree level entered for the parent of this Approval name is invalid. The valid levels are displayed at the top of the Approval Tree screen. This message can be produced in the following situations:

- during the initialization of the Control-D monitor and Printers Control monitor
- when entering the Online User Report List screen
- the KeyStroke Language
- the Control-D operator command LOADTREE was issued
- the IOAOMON1 operator command LOADTREE was issued
- when IOAOMON1 is initialized
- when saving an edited tree
- when executing the CHECK command to verify the tree

The loading of the Approval Tree will continue. However, this particular Approval name will not become part of the Approval Tree.
Corrective Action: Correct the level for the parent using the Online Approval Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Approval Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When the IOAOMON1 operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When IOAOMON1 is initialized</td>
<td>Issue a LOADTREE operator command for IOAOMON1.</td>
</tr>
<tr>
<td>When saving an edited tree</td>
<td>Correct the tree and resave.</td>
</tr>
<tr>
<td>When executing a CHECK command to verify the tree</td>
<td>Correct the tree and reissue the command.</td>
</tr>
</tbody>
</table>

TRE178E LEVEL lvl OF THE PARENT parent IS LOWER THAN THE LEVEL OF APPROVAL approval

Explanation: The level of the parent of the Approval name is lower than the level of the Approval name being defined.

The level of the parent must be higher than the level of the “child.” (Note that the order can be seen in the Approval Tree Entry screen).

Corrective Action: Enter a parent name with a different level or give the Approval name a lower level.

TRE180I CONTROL-D APPROVAL TREE LOADED - num APPROVALS

Explanation: This information message indicates that the Approval Tree was successfully loaded.

Corrective Action: No action is required.
TRE181E APPROVAL NAME approval ALREADY IN TREE - CURRENT APPROVAL NAME ENTRY IGNORED

Explanation: The Approval name entered is already in the Approval Tree. The current Approval name entry is ignored.

An Approval name can only appear once in the Approval Tree. This message can be produced in the following situations:

- When entering the Online User Report List screen.
- The KeyStroke Language.
- The Control-D operator command LOADTREE was issued.
- The IOAOMON1 operator command LOADTREE was issued.
- When IOAOMON1 is initialized.
- When saving an edited tree.
- When executing the CHECK command to verify the tree.
- During the initialization of the Control-D monitor and Printers Control monitor.

The loading of the Approval Tree will continue. However, this particular Approval name will not become part of the Approval Tree (the first one will).

Corrective Action: Delete the duplicate Approval name using the Online Approval Tree Definition screen. Depending on the situation, do as shown in the following table:

<table>
<thead>
<tr>
<th>When Message Issued</th>
<th>User Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>During initialization of the Control-D monitor and Printers Control monitor</td>
<td>Issue a LOADTREE operator command to load in the new Approval Tree.</td>
</tr>
<tr>
<td>When entering the Online User Report List screen</td>
<td>Exit from the Control-D Online Facility, and reenter the Online Facility.</td>
</tr>
<tr>
<td>The KeyStroke Language</td>
<td>Rerun the job.</td>
</tr>
<tr>
<td>When the Control-D operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When the IOAOMON1 operator command LOADTREE was issued</td>
<td>Reenter the LOADTREE operator command.</td>
</tr>
<tr>
<td>When IOAOMON1 is initialized</td>
<td>Issue a LOADTREE operator command for IOAOMON1.</td>
</tr>
<tr>
<td>When saving an edited tree</td>
<td>Correct the tree and resave.</td>
</tr>
<tr>
<td>When Message Issued</td>
<td>User Response</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>When executing a CHECK command to verify the tree</td>
<td>Correct the tree and reissue the command.</td>
</tr>
</tbody>
</table>

TRE185I APPROVAL TREE CHECK ENDED SUCCESSFULLY. *n* APPROVALS

**Explanation:** This information message request is generated by the CHKTREE command. The Approval tree was checked and no errors were found. The number of Approval names in the tree is displayed.

**Corrective Action:** No action is required.

TST messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages TSTA00 through TSTAxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

TSTA80E INVALID PARM LIST OR NO PARM LIST

**Explanation:** An invalid parameter was passed to the IOALOC program. The IOALOC program accepts either ALLOC or FREE as input parameters.

The IOALOC program stops executing.

**Corrective Action:** Supply the correct input parameter.

Messages TSTF00 through TSTFxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

TSTF30E INTERNAL CONSOLE ERROR. FUNCTION *func*. RETURN CODES *rc1, rc2*. REASON CODE *rsn*. USING THE INTERNAL CONSOLE TERMINATES

**Explanation:** An error occurred when using the extended MCS console.

Control-D terminates the extended MCS console and starts using a standard method for preventing the mixing of chunks during deferred printing.

**Corrective Action:** Keep a system log of the problem, and a job log of the Control-D printer monitor. It is recommended to stop, then restart, the Control-D monitor to prevent a possible mixing chunks problem.
TSTF31I THE INTERNAL OPERATOR CONSOLE IS ACTIVATED

**Explanation:** This information message is generated when Control-D activates an extended MCS console to prevent the mixing of chunks during deferred printing.

When APPLY is set to YES for optional wish WD2624, Control-D uses an extended MCS console to prevent the mixing of chunks during deferred printing.

**Corrective Action:** No action is required.

TSTF32E NO RESPONSE OF INTERNAL CONSOLE. USING THE CONSOLE TERMINATES

**Explanation:** There is no response from the extended MCS console used by Control-D to prevent the mixing of chunks during deferred printing.

Control-D stops using the extended MCS console and starts using a standard method for preventing the mixing of chunks during deferred printing.

**Corrective Action:** Keep a system log of the problem, and a job log of the Control-D printer monitor. It is recommended to stop, then restart, Control-D monitor to prevent a possible mixing chunks problem.

TSTFB0S PARAMETER parm NOT RECOGNIZED

**Explanation:** The parameter specified for the IOATEST utility is invalid.

The IOATEST utility terminates with a condition code of 08.

**Corrective Action:** Correct the syntax of the parameters to IOATEST.

TSTFB1S PARAMETER SHOULD BE NUMERIC (parm)

**Explanation:** The value of a parameter that should be numeric is nonnumeric.

The IOATEST utility terminates with a condition code of 08.

**Corrective Action:** Make sure the value of the parameter is numeric.

TSTFB2S NUMERIC PARAMETER OUT OF RANGE (parm)

**Explanation:** Numeric parameter is not within the defined range.

The utility terminates with a condition code of 08.

**Corrective Action:** Make sure the value of the parameter is within the defined range.

TSTFB3S ONLY UP TO TEN MINOR LINES ARE ALLOWED FOR A MULTI-LINE MESSAGE

**Explanation:** More than ten minor lines were specified for a multi-line message; 10 is the maximum allowed.

The IOATEST utility terminates with a condition code of 08.

**Corrective Action:** Make sure that no more than 10 minor lines are specified.
TSTFB4W (parm) PARAMETER LONGER THAN ALLOWED. TRUNCATED TO LEFTMOST 4 CHARACTERS

Explanation: The value specified for the parm parameter exceeded 4 characters. The parameter value is truncated to the first four (leftmost) characters. Processing continues.

Corrective Action: Specify a valid value for the parm parameter.

UAT messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages UAT900 through UAT9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

UAT9B1S RELEASE OF ATF FILE NOT SUPPORTED BY THIS RELEASE OF CONTROL-D

Explanation: The release defined in the Active Transfer file is not the same as the release defined in the Control-D Load library. Control-D checks that the release number defined in the Active Transfer file is the same release number that is defined in the Control-D Load library. An error occurs when trying to allocate an Active Transfer file that belongs to a different Control-D release, for example, a test or production release.

Requested function is not performed.

Corrective Action: Backup the Active Transfer file and reformat it. You can do this using ICE, as follows:

1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 6, Format the A.T.F File.

UAT9B2S OPEN OF CONTROL-D ATF FILE FAILED

Explanation: An attempt by Control-D to open the Active Transfer file failed. The DAATF DD statement for the Active Transfer file is missing in the logon or Print monitor procedure.

Requested function is not performed.

Corrective Action: Check the DAATF DD statement in the Control-D and logon procedures.
UAT9B3S CONTROL-D ATF FILE IS FULL

**Explanation:** An overflow was detected in the Active Transfer file. The Active Transfer file is full and requires enlargement or compression.

Requested function is not performed.

**Corrective Action:** Compress or enlarge the Active Transfer file using the CTDCATF utility. For more details, see the *INCONTROL for z/OS Utilities Guide*.

UAT9B7S FILE ALLOCATED TO DDNAME "DAATF" IS NOT YOUR CONTROL-D ATF

**Explanation:** The QNAME defined in the Active Transfer file is not the same as the QNAME defined in CTDPARM. Either a file from another Control-D installation was accessed, or there was an error in the current installation.

Requested function is not performed.

**Corrective Action:** Check CTDPARM. If the QNAME was changed after installation procedures were performed, specify the original QNAME and rerun CTDPARM. If two different Control-D installations are running concurrently, then make sure that the files do not mix between the two different monitors.

UAT9B8S FILE ALLOCATED TO DDNAME "DAATF" IS NOT A CONTROL-D ATF

**Explanation:** The Active Transfer file does not have a valid identification. The Active Transfer file must contain the characters ATF in the first block (offset 18).

Requested function is not performed.

**Corrective Action:** Backup the Active Transfer file and reformat it. You can do this using ICE, as follows:

1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 6, Format the A.T.F File.

UAT9B9S CONTROL-D ATF FILE IS FORMATTING/ CTDBAT PROBABLY ABENDED

**Explanation:** A compression or formatting of the Active Transfer file was started, but did not end successfully. The Active Transfer file contains an indicator that the format or compression processing was incomplete.

Requested function is not performed.

**Corrective Action:** Backup the Active Transfer file and reformat it. You can do this using ICE, as follows:

1. In the IOA Installation Menu, select Customization.
2. Select the environment to customize.
3. In the Customization screen, set Product ID to CTD and select Product Customization.
4. Select Major Step 6, Customize Control-D Dataset Parameters.
5. Select Minor Step 6, Format the A.T.F File.

**UBK messages**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**Messages UBK900 through UBK9xx**

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

**UBK9C0I CTDUPBKP UTILITY STARTED**

**Explanation:** This information message indicates that the CTDUPBKP utility has started.

**Corrective Action:** No action is required.

**UBK9C1I CTDUPBKP UTILITY COMPLETED SUCCESSFULLY**

**Explanation:** This information message indicates that the CTDUPBKP utility has completed without errors.

**Corrective Action:** No action is required.

**UBK9C2S CTDUPBKP UTILITY ENDED WITH ERRORS**

**Explanation:** This information message indicates that the CTDUPBKP utility has ended with errors.

**Corrective Action:** Check all the messages issued by the CTDUPBKP utility and proceed accordingly.

**UBK9C3I FILE=ACT WAS SPECIFIED. ACTIVE USER FILE WILL BE PROCESSED**

**Explanation:** This information message indicates that FILE was set to ACT in the input parameters of the CTDUPBKP utility, and as a result the Active User file is processed.

**Corrective Action:** No action is required.

**UBK9C4I FILE=HST WAS SPECIFIED. HISTORY USER FILE WILL BE PROCESSED**

**Explanation:** This information message indicates that FILE was set to HST in the input parameters of the CTDUPBKP utility and, as a result, the History User file is processed.

**Corrective Action:** No action is required.
UBK9C5I FILE=MIG WAS SPECIFIED. MIGRATION USER FILE WILL BE PROCESSED

Explanation: This information message indicates that FILE was set to MIG in the input parameters of the CTDUPBKP utility and, as a result, the Migration User file is processed.

Corrective Action: No action is required.

UBK9C6E NO FILE PARAMETER WAS SPECIFIED

Explanation: The FILE parameter was not specified in the input parameters of the CTDUPBKP utility.

Corrective Action: Specify the FILE parameter and rerun the utility.

UBK9C7E NO $SYSDATA RECORDS FOUND IN THE {ACTIVE | HISTORY | MIGRATION} USER FILE

Explanation: The CTDUPBKP utility did not find any $SYSDATA records in the specified user file to update.

Corrective Action: Check the input FILE parameter of the utility for the correct user file, and rerun the utility.

UBK9C8E SELECT CARD WAS NOT SPECIFIED

Explanation: A SELECT statement was omitted from the input parameters of the CTDUPBKP utility.

Corrective Action: Add a SELECT statement to the CTDUPBKP input statements of the CTDUPBKP utility, and rerun the utility. For more information, see the INCONTROL for z/OS Utilities Guide.

UBK9C9I input_parm WAS SPECIFIED

Explanation: This information message displays the input parameter that the user specified for the CTDUPBKP utility.

Corrective Action: No action is required.

UBK9CAl NO VOLSER WAS FOUND FOR THE {ACTIVE | PERMANENT | HISTORY} USER FILE

Explanation: This information message indicates that a detailed report ordered by the user was not produced because the $SYSDATA record of the identified user file was not found.

Corrective Action: No action is required.
UBK9CBI input_control_stmt

**Explanation:** This information message displays the input control statement that the user specified for the CTDUPBKP utility.

If the input control statement is in error, this message is followed by message UBK9CCE.

**Corrective Action:** No action is required.

UBK9CCE ERROR IN CONTROL STATEMENT

**Explanation:** An error was found in the input control statement specified by the user for the CTDUPBKP utility.

The input control statement is displayed in message UBK9CBI which precedes this message.

The CTDUPBKP utility terminates.

**Corrective Action:** For a description of the input parameters, see the CTDUPBKP utility in the *INCONTROL for z/OS Utilities Guide*. Correct the input control statement accordingly and rerun the utility.

UBK9CDW THERE IS NO CONTROL RECORD FOR BKPMIS backupMissionName

**Explanation:** The CTDUPBKP utility could not find the Backup Control record for the backup mission of the current $SYSDATA record.

When FILE is set to HST in the input parameters of the CTDUPBKP utility, the utility attempts to read the backup control record for the backup mission of the current $SYSDATA record. In this case, the backup control record could not be found in the History file.

The CTDUPBKP utility continues with processes that do not require the backup control record.

**Corrective Action:** To create a backup control record, in the input parameters of the CTDUPBKP utility specify the backup mission name in the BKPMIS parameter, and the number of backup generations to retain in the GENER parameter. Rerun the CTDUPBKP utility.

For more information, see the CTDUPBKP utility in the *INCONTROL for z/OS Utilities Guide*.

UBK9CEE RETPD CANNOT BE CHANGED

**Explanation:** The RETPD parameter was specified as an input parameter for the CTDUPBKP utility but the generation number found in the Backup Control record was not 0.

When activating the CTDUPBKP utility, the user specified the RETPD parameter without setting GENER to NONE. The backup mission in question was previously run using the NUMBER OF DAYS TO KEEP method. Once a mission has been run using NUMBER OF DAYS TO KEEP method, it cannot be run using the RETPD method.

The CTDUPBKP utility continues with other processes.

**Corrective Action:** Either change the method in the parameters to NUMBER OF DAYS TO KEEP then rerun the utility, or define a new backup mission defined with the RETPD parameter.

UBK9CFE INVALID RETURN CODE FROM SORT. RC=rc

**Explanation:** The SORT utility called by the CTDUPBKP utility ended with errors.
The CTDUPBKP utility terminates.

**Corrective Action:** Refer to the section on return codes in the SORT utility documentation in the *INCONTROL for z/OS Utilities Guide*. Correct the cause accordingly and rerun the CTDUPBKP utility.

UBK9F0I CONTROL RECORD FOR BKPMIS `backupMissionName` HAS BEEN CREATED

**Explanation:** This information message indicates that a backup control record was recreated for the backup mission identified in the message.

A backup control record is recreated when the FILE parameter was set to HST for the backup mission, and when the original backup control record is missing.

**Corrective Action:** No action is required.

UBK9F1I CTDUPBKP IS RUNNING IN SIMULATE MODE:

**Explanation:** This information message indicates that the CTDUPBKP utility is running in simulation mode. The report listing the selected records and specified updates is produced, but no updates are actually performed.

**Corrective Action:** Analyze the report. If all requested updates are correct, run the utility in production mode (with parameter SIMULATE=NO).

UBK9F2I MI GMIS `missionName` PRIMARY/SECONDARY VOLSER `volser` IS CHANGED TO SCRATCH.

**Explanation:** This information message indicates that the volume serial number for the specified migration mission is cleaned by the CTDUPBKP utility. The next migration mission run will request a scratch tape volume for migration.

The variables in this message are:
- `missionName` - migration mission name for which the action is performed.
- `volser` - the old volume serial number which is changed to scratch.

**Corrective Action:** No action is required.

UBK9F3E NO MI GMIS PARAMETER WAS SPECIFIED.

**Explanation:** This error message is issued when the SCRATCHVOL or SCRATCHSECVOL parameter is specified, but no MI GMIS selection parameter was previously specified.

The CTDUPBKP utility terminates.

**Corrective Action:** Specify the MI GMIS selection parameter with the migration mission name or with the value ALL if you want to perform the action for all migration missions.

UBV messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
Messages UBV900 through UBV9xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

UBV9C0I STARTING TRANSLATION OF BACKUP VOLSERS IN SYSDATA RECORDS

**Explanation:** This information message indicates that the CTDUBV utility has started translating volume serial numbers found in the User Report List files.

Volume serial numbers in the History User Report List file and, optionally, in the Active User Report List file, are translated.

**Corrective Action:** No action is required.

UBV9C1I TRANSLATION OF BACKUP VOLSERS IN SYSDATA RECORDS COMPLETED SUCCESSFULLY

**Explanation:** This information message indicates that the CTDUBV utility has finished translating volume serial numbers found in the User Report List files.

Volume serial numbers in the History User Report List file and, optionally, in the Active User Report List file, were translated.

The utility has finished processing the backup volume serial numbers.

**Corrective Action:** No action is required.

UBV9C2S TRANSLATION OF BACKUP VOLSERS IN SYSDATA RECORDS ENDED WITH ERRORS

**Explanation:** The CTDUBV utility ended with errors.

This message follows a message indicating the nature of the problem.

**Corrective Action:** Refer to the prior message for the reason the CTDUBV utility ended with errors.

UBV9C3I ACTUSR=NO WAS SPECIFIED, ACTUSR FILE BYPASSED

**Explanation:** This information message indicates that the ACTUSR parameter was set to NO in the CTDUBV utility.

Volume serial numbers in the History User Report List file are translated. Volume serial numbers in the Active User Report List file are be translated.

The utility begins processing backup volume serial numbers in only the History User Report List file.

**Corrective Action:** No action is required.
UBV9C4I  ACTUSR=YES WAS SPECIFIED, ACTUSR FILE WILL BE PROCESSED

**Explanation:** This information message indicates that the ACTUSR parameter was set to YES in the CTDUBV utility.

Volume serial numbers in both the History User Report List file and the Active User Report List file are translated.

The utility begins processing the backup volume serial numbers in the History User Report List file and the Active User Report List file.

**Corrective Action:** No action is required.

UBV9C5E  VOLSER TRANSLATION FILE DAUBVLST IS EMPTY

**Explanation:** No volume serial number translation data was provided by the DAUBVLST DD statement in the JCL for the CTDUBV utility.

DAUBVLST contains or refers to a file which contains a list of input volser and the output volser to which they should be translated. This file is empty.

The utility is terminated.

**Corrective Action:** Supply the missing Volume Translation Statements.

UBV9C6E  DAUBVLST DD STATEMENT MISSING

**Explanation:** The DAUBVLST DD statement was not found in the JCL for the CTDUBV utility.

DAUBVLST contains or refers to a file which contains a list of input volser and the output volser to which they should be translated.

The utility is terminated.

**Corrective Action:** Check the presence and spelling of the DAUBVLST DD statement.

UBV9C7E  MEMBER NOT FOUND - membrane

**Explanation:** The DAUBVLST DD statement points to a member that is not in the library.

The member referred to by DAUBVLST DD DSN=LIB(memName) was not found.

**Corrective Action:** Check the member name.

UBV9C8E  NO $SYSDATA RECORDS FOUND IN THE fileName FILE

**Explanation:** The Active User Report List file or the History User Report List file is empty.

The CTDUBV utility finished without performing any updates.

**Corrective Action:** Verify the references to the Active and History User Report List files in the JCL.

UBV9C9I  parm WAS SPECIFIED

**Explanation:** This information message indicates that the parm input parameter was specified in the DAUBVIN DD statement.
Corrective Action: No action is required.

UBV9CAI  NO detail/unmatch VOLUMES WERE FOUND FOR THE actusr/hstusr FILE

Explanation: This information message indicates that the Active or History User Report List file contained no volumes relevant to the DETAIL report option, or that the Volume Translation Statements referenced by the DAUBVLST DD statement contained no volumes relevant to the UNMATCH report.

One of the following occurred:

- For the DETAIL report option: The report was not produced because no volser specified by means of the Volume Translation Statements matched a volser in the indicated User Report List file.
- For the UNMATCH report option: The report was not produced because every volser specified by means of the Volume Translation Statements matched a volser in the indicated User Report List file.

The utility finishes without producing the requested report.

Corrective Action: If the DETAIL report was not produced, verify that the Volume Translation Statements were coded correctly and contain the correct volume serial numbers to be translated.

If the UNMATCH report was not produced, no action is required because all volumes specified in the Volume Translation Statements were found in the indicated User Report List file and translated.

UBV9CCE COLUMNS 7-9 AND 16 OF THE stmt_type CONTROL STATEMENTS MUST BE BLANK

Explanation: There is an error in the format of the DAUBVLST Volume Translation Statements.

Volume Translation Statements must contain the old volume name in columns 1-6, the new volume name in columns 10-15, and blanks in columns 7-9 and 16.

The CTDUBV utility is terminated.

Corrective Action: Find and correct the Volume Translation Statements which are causing the error.

UBV9CFE INVALID RETURN CODE FROM SORT, RC=rc

Explanation: The system sort routine failed.

The utility is terminated.

Corrective Action: Determine the cause of the sort error, correct it, and rerun the utility.

UDR messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages UDRA00 through UDRAxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
UDRA80E USERDAILY userdaily-name NOT PROCESSED -- DATABASE ACCESS ERROR error-code

Explanation: This message indicates an error occurred during execution of the CTMEMUDL procedure. Data related to userdaily-name could not be retrieved from the database. The CTMEMUDL procedure stops processing.

Corrective Action: Note the error code (error-code) and contact BMC Software Customer Support.

UDRA81E USERDAILY userdaily-name NOT PROCESSED -- CMEM/CTO ENVIRONMENT NOT FOUND

Explanation: This error message indicates the database interface program was not available during the processing of the CTMEMUDL procedure. This prevented the retrieval of data related to userdaily-name from the userdaily database. The CTMEMUDL procedure stops processing.

Corrective Action: Activate CMEM or Control-O and then rerun the CTMEMUDL procedure.

UDRA82I USERDAILY userdaily-name PROCESSED SUCCESSFULLY

Explanation: This information message indicates the CTMEMUDL procedure successfully generated ORDER statements for tables contained in userdaily-name as specified in the userdaily database.

Corrective Action: No action is required.

UDRA83E USERDAILY userdaily-name PROCESSED -- FUNCTION: functionName ERROR: error-code

Explanation: This message indicates an error (error-code) occurred while executing the functionName function during processing of the CTMEMUDL procedure.

Corrective Action: Note the function name and error code, and then contact BMC Software Customer Support.

UDRA84E INVALID EMDAILY PARAMETER ON EXEC STATEMENT

Explanation: This error message indicates that an unrecognized value was specified for the EMDAILY parameter when the CTMEMUDL procedure was invoked.

Corrective Action: Specify a valid userdaily name for the EMDAILY parameter. The maximum size of this parameter is 10 characters. For more information on managing User Daily Jobs from Control-M/Enterprise Manager, see the INCONTROL for z/OS Administrator Guide.
UDRA85E USERDAILY userdaily-name NOT FOUND IN DATABASE

Explanation: This error message indicates the userdaily name (userdaily-name) does not exist in the userdaily database. The userdaily name (userdaily-name) was specified for the EMDAILY parameter when the CTMEMUDL procedure was invoked.

The CTMEMUDL procedure stops processing.

Corrective Action: Execute the CTMEMUDL procedure with the EMDAILY parameter set to '* LIST' to obtain a list of all userdaily jobs in the userdaily database.

UDRA86I CTMUDR STARTED

Explanation: This informational message indicates that the initial program invoked by the CTMEMUDL procedure has begun processing.

Corrective Action: No action is required.

UDRA87I CTMUDR ENDED

Explanation: This information message indicates the normal termination of the initial program invoked by the CTMEMUDL procedure.

Corrective Action: No action is required.

UDRA88I INPUT REQUEST: request

Explanation: This information message shows the value (request) of the EMDAILY parameter used when invoking the CTMEMUDL procedure.

Corrective Action: No action is required.

ULD messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages ULDU00 through ULDUxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

ULDU80I LOADING OF RECORDS INTO USER FILE STARTED

Explanation: This information message indicates that the CTDULD utility has started normally. The CTDULD utility copies records from a sequential file to the current User Report List.

Corrective Action: No action is required.

ULDU81I LOADING OF RECORDS INTO USER FILE ENDED OK

Explanation: This information message indicates that the CTDULD utility has ended.
The CTDULD utility copies records from a sequential file to the current User Report List.

**Corrective Action:** No action is required.

**ULDU82W DUPLICATE RECORD FOR userName jobName IGNORED**

**Explanation:** There is already a record identified as `userName jobName` in the current User Report List file. The current record with that identity is ignored.

**Corrective Action:** No action is required.

**ULDU83I num1 RECORDS READ FROM INPUT FILE, num2 RECORDS ADDED TO USER FILE**

**Explanation:** This information message indicates that the CTDULD utility has read `num1` records from the input file and added `num2` records to the User Report List file.

**Corrective Action:** No action is required.

**ULDU84I num DUPLICATE RECORDS REJECTED**

**Explanation:** While the CTDULD utility was copying records from a sequential file to the current User Report List file, duplicate records were found. This information message displays the total number of records rejected as duplicates.

**Corrective Action:** No action is required.

**ULDU85I num RECORDS REPLACED**

**Explanation:** While the CTDULD utility was copying records from a sequential file to the current User Report List file, records were replaced. This information message displays the total number of records replaced.

**Corrective Action:** No action is required.

**ULDU86S INCORRECT REPLACE PARAMETER, SHOULD BE "Y" OR "N"**

**Explanation:** The user tried to run the CCTDULD utility with the REPLACE parameter set to an invalid value.

Valid values for the CTDULD utility REPLACE parameter are:

- Y
- N

The CTDULD utility terminates.

**Corrective Action:** Set the REPLACE parameter to Y or N and rerun the utility.

**ULDU87E LOADING OF RECORDS INTO USER FILE ENDED WITH ERROR**

**Explanation:** The CTDULD Control-D utility ended with an error.

The utility stops executing.
Corrective Action: Examine the job sysout for other error messages, and take appropriate corrective action, then rerun the utility.

ULDU88S OPEN OF DDNAME ddName FAILED
Explanation: The ddName DD statement failed to open.
Possible causes are:
- The ddName DD statement is missing.
- The data set described by the ddName DD statement does not exist.
The CTDULD utility stops executing with a condition code of 8 or 12.
Corrective Action: Correct the JCL of the CTDULD utility and rerun the utility.

ULDU89S INCORRECT DBFILE PARAMETER, SHOULD BE ACT, PRM, HST OR MIG
Explanation: The user tried to submit the CTDULD utility with an invalid DBFILE parameter value. The available DBFILE parameter values are ACT, PRM, HST, and MIG.
The utility stops with RC=8.
Corrective Action: Correct the DBFILE parameter in the JCL and resubmit the job.

UMG messages
This group includes messages for the Control-V product.

Messages UMGM00 through UMGMxx
This group includes messages for the Control-V product.

UMGM01I CONTROL-V UNMIGRATE STARTED
Explanation: This information message indicates that the CTVUNMIG Control-V utility started.
CTVUNMIG returns migrated files to DASD.
Corrective Action: No action is required.

UMGM02I CONTROL-V UNMIGRATE ENDED O.K.
Explanation: This information message indicates that the CTVUNMIG Control-V utility ended normally.
Corrective Action: No action is required.

UMGM03S CONTROL-V UNMIGRATE ENDED WITH ERRORS
Explanation: The CTVUNMIG Control-V utility ended with errors.
CTVUNMIG terminates.
Corrective Action: Check the job log or the IOA log for the other messages generated by this error. Correct the problem, and rerun the CTVUNMIG utility.

UMGM04E LOADING OF CONTROL-{D | V} INSTALLATION PARAMETERS FAILED
Explanation: Load of the CTDPARM or CTVPARM module failed.
Loading of the Control-D or Control-V Installation Parameters failed. Possible causes are:
- The IOA Load library is not in the load modules search list.
- There is insufficient memory to load the IOA Installation Parameters.
- A specified load module does not exist in the Load library.
The CTVUNMIG utility continues without sending messages to the IOA log.
Corrective Action: To produce messages to the IOA log, try one of the following:
- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed because of lack of memory, increase the region size.
Rerun CTVUNMIG.

UMGM05S OPEN OF IOA LOG FILE FAILED
Explanation: The IOA Log file was unable to open the DALOG. DD statement.
Possible causes are:
- The DALOG DD statement is missing.
- The file allocated to the DALOG DD statement is not the IOA Log file.
- The file allocated to the DALOG DD statement is the IOA Log file, but it is of a different version or of a different IOA installation.
The CTVUNMIG utility continues without sending messages to the IOA log.
Corrective Action: To produce messages to the Job log:
1. Check the Job log for additional messages associated with this error.
2. Correct the JCL for the job
3. Rerun CTVUNMIG.

UMGM06E INVALID PARAMETER:- parm
Explanation: The user specified an invalid parameter for the CTVUNMIG utility.
The utility stops executing with an error.
Corrective Action: Correct the parm parameter and rerun the utility.

UMGM07E MISSING PARAMETERS
Explanation: The user omitted mandatory parameters from the input to the CTVUNMIG utility.
CTVUNMIG stops executing with an error.

**Corrective Action:** Specify the required parameters and rerun the utility.

**UMGM08S UNABLE TO LOAD MODULE modName**

**Explanation:** Control-V was unable to load the modName module.

Possible causes are:
- The IOA Load library is not in the load modules search list.
- Insufficient storage was available to load the module.
- The modName module does not exist in the IOA Load library.

In this message, modName is the name of the unloadable module.

System action depends on the cause:
- If modName is the IOASPRM module, the CTVUNMIG utility continues without IOA parameters.
- If modName is the LSMCALL module, the utility stops executing with an error.

**Corrective Action:** No action is required.
- If the IOA Load library is not in the search list, add a STEPLIB DD statement to the library.
- If the loading failed due to lack of memory, increase the REGION size.
- Rerun CTVMIG.

**UMGM09S OPEN OF PARAMETERS FILE FAILED. DDNAME SYSIN**

**Explanation:** CTVMIG was unable to open the SYSIN DD statement.

This problem could be due to either of the following:
- The SYSIN DD statement is missing.
- The data set described by the SYSIN DD statement cannot be opened for sequential read.

The utility stops executing with a condition code of 08.

**Corrective Action:** Correct the CTVUNMIG JCL, and rerun the job.

**UMGM10S OPEN OF DDNAME=ddName DSNAME=dsn FAILED**

**Explanation:** The user specified a DD name that could not be opened.

The utility stops executing with a condition code of 16.

**Corrective Action:** Check the system log for messages generated in response to this failure. If you are unable to solve the problem, report the contents of the messages to BMC Software Customer Support.

**UMGM11I DDNAME=ddName DSNAME=dsn DYNAMIC ALLOCATION FAILED**

**Explanation:** This information message identifies the data set name of an unallocated DD name.

This message follows dynamic allocation error message CTD922E.
The variables in this message are:

- `ddName` - the unallocated DD name
- `dsn` - the name of the data set referenced by `ddName`

**Corrective Action:** No action is required.

**UMGM121I FILE DSNAME=dsn UNMIGRATION ENDED**

**Explanation:** This information message indicates that the specified file was successfully unmigrated. In this message, `dsn` is the last extent of a CDAM file that was unmigrated. The unmigrated file can be found on DASD.

**Corrective Action:** No action is required.

**UMGM13E MIGRATED FILE EOD REACHED**

**Explanation:** This information message indicates that the size of the migrated file did not correspond to the information in the header of that file.

The job stops executing with a condition code of 08.

**Corrective Action:** Contact BMC Software Customer Support and send the complete log of the job.

**UMGM15E INPUT CARD WITH ORIGINAL INDEX FILE NAME IS MISSING**

**Explanation:** A migrated Index file name is specified as a parameter to the CTVUMG utility but the card with the original Index file name and its parameters is missing.

If the message is issued during the restore migrated job run, it means that there are problems with the automatically created restore job. These problems are usually the result of manually editing the job. The utility stops.

**Corrective Action:** To correct this problem do one of the following actions:

- If the message is issued during the restore migrated job run, resubmit the restore migrated mission to create a new restore job.
- If the message is issued by the CTVUNMIG utility because the migrated Index file name was manually specified as input parameter, use the restore migrated mission instead of the CTVUNMIG utility to restore Index files together with CDAM files.

**UMGM1A5M MISMATCH BETWEEN DISK TYPE hdtype AND REQUESTED TYPE rtype (hrtype)**

**Explanation:** The user specified the wrong disk type in the parameter for the CTVUNMIG utility.

There was a mismatch between the disk type `hdtype` of the original CDAM file and the disk type that is associated with the `rtype` unit name.

The variables in this message are:
- **hdtype** - the disk type of the original CDAM
- **rtype** - the type of the unit requested by the user
- **hrtype** - the device type associated with rtype

CTVUNMIG stops executing with a condition code of 08.

**Corrective Action:** Specify the correct disk type in the PARM field and delete the DS name from the disk (as specified in message UNGM1BI) and rerun the job.

**UMGM1BI PLEASE DELETE ALLOCATED FILE dsn**

**Explanation:** This information message follows error message UMGM1AS and indicates the DS name to be deleted from the disk.

**Corrective Action:** Delete the specified file.

### UPD messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

### Messages UPDJ 00 through UPDJ xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

**UPDJ 01E UPD INTERNAL ERROR. TYPE type**

**Explanation:** An internal error of the specified type occurred during processing of the UPD subtask.

The Control-M Application Server shuts down.

**Corrective Action:** Contact BMC Software Customer Support.

**UPDJ 02E OVERRUN OF THE UPDATE MESSAGES QUEUE. TRANSMISSION TOO SLOW OR NOT ENOUGH MEMORY**

**Explanation:** The storage available for database update messages is full.

New database update messages have overwritten old messages that have not yet been sent. This may be due to a lack of memory or may happen when a large number (usually several thousand) of update messages have been accumulated without being sent, due to slow transmission of the messages.

Slow transmission may be due to one of the following:

- Communications bottleneck, such as inadequate communication bandwidth
- Mainframe bottleneck, such as high paging of the Control-M Application Server
- Workstation bottleneck, such as CPU overload

The Control-M Application Server shuts down.
Corrective Action: If message xxxJ07E (for example, UPDJ07E) precedes this message, implement the User Action from that message. Otherwise, determine where the bottleneck is and resolve it.

UPDJ03E ADD INTERNAL ERROR. TYPE type
Explanation: An internal error of the type type occurred during processing of the CTWADD subroutine. The Control-M Application Server shuts down.
Corrective Action: Contact BMC Software Customer Support.

UPDJ04E DEL INTERNAL ERROR. TYPE type
Explanation: An internal error of the type type occurred during processing of the CTWDEL subroutine. The Control-M Application Server shuts down.
Corrective Action: Contact BMC Software Customer Support.

UPDJ05E READ INTERNAL ERROR. TYPE type
Explanation: An internal error of the type type occurred during processing of the CTWREAD subroutine.
The Control-M Application Server shuts down.
Corrective Action: Contact BMC Software Customer Support.

UPDJ06E LOCK OF UPD CHAIN FAILED. STD=std FUNC=func
Explanation: Locking of the update messages chain has failed.
Access to the update messages chain is serialized by a locking mechanism. Subtask number std in function func attempted to lock the chain several times but was unsuccessful.
The Control-M Application Server shuts down.
Corrective Action: Contact BMC Software Customer Support.

UPDJ07E GETMAIN FOR UPD MESSAGE FAILED. OLDEST MESSAGE(S) WILL BE DELETED
Explanation: The storage available for database update messages is full.
New database update messages have overwritten old messages that have not yet been sent. This happens when a large number (usually several thousand) of update messages have been accumulated without being sent, due to slow transmission of the messages.
Slow transmission may be due to one of the following:
Communications bottleneck, such as inadequate communication bandwidth
Mainframe bottleneck, such as high paging of the Control-M Application Server
Workstation bottleneck, such as CPU overload

Storage space is made available for these messages by deleting the oldest message not yet sent. The Control-M Application Server continues processing. As long as there is a lack of storage space, old messages not yet sent will continue to be deleted to make room for new messages.

**Corrective Action:** Increase the storage space available by increasing the REGION size of the Control-M Application Server. If slow transmission is a problem, determine where the bottleneck is and resolve it.

**UPDJ 08E MAXIMUM MESSAGES IN UPD CHAIN REACHED. OLDEST MESSAGE WILL BE DELETED**

**Explanation:** The storage available for database update messages is full. New database update messages have overwritten old messages that have not yet been sent. This happens when a large number (usually several thousand) of update messages have been accumulated without being sent, due to slow transmission of the messages.

Slow transmission may be due to one of the following:

- Communications bottleneck, such as inadequate communication bandwidth
- Mainframe bottleneck, such as high paging of the Control-M Application Server
- Workstation bottleneck, such as CPU overload

Storage space is made available for these messages by deleting the oldest message not yet sent. The Control-M Application Server continues processing. As long as there is a lack of storage space, old messages not yet sent will continue to be deleted to make room for new messages.

**Corrective Action:** Determine where the bottleneck is and resolve it.

**UPDJ 50I CTWUPD STARTED**

**Explanation:** This information message indicates that the Control-M Application Server started the CTWUPD subtask.

**Corrective Action:** No action is required.

**UPDJ 51I LOGICAL CONNECTION IS SUSPENDED WHILE THE ACTIVE JOBS FILE IS BEING FORMATTED**

**Explanation:** This information message indicates that the logical connection between the Control-M Application Server and the Workstation Gateway is temporarily suspended, because the Active Jobs file is currently being formatted.

The workstation database is not up-to-date, and no requests issued by the Enterprise Controlstation Control Application will be handled, until the format of the Active Jobs file is completed.

**Corrective Action:** No action is required.
**UPDJ52I LOGICAL CONNECTION RESUMED**

**Explanation:** This information message indicates that the logical connection between the Control-M Application Server and the Workstation Gateway has been resumed.

The workstation database may now request synchronization, and other requests issued by the Enterprise Controlstation Control Application will now be handled.

**Corrective Action:** No action is required.

**UPDJ53I LOGICAL CONNECTION SUSPENDED DUE TO STOPLINK MODIFY COMMAND**

**Explanation:** This information message indicates that the Control-M Application Server received a STOPLINK modify command.

The STOPLINK modify command causes disconnection until a STARTLINK modify command is received.

The Control-M Application Server stops transferring updates and disconnects from the Enterprise gateway.

**Corrective Action:** Enter a STARTLINK modify command.

**UPDJ58E DATABASE UPDATES SENT TO THE WORKSTATION GATEWAY HAVE NOT BEEN CONFIRMED IN TIME**

**Explanation:** The Control-M Application Server sent database updates to the Enterprise Controlstation Workstation Gateway, but did not receive confirmation for them in time.

This error message is issued by the Control-M Application Server program and is due to one of the following:

- The Workstation Gateway has stopped responding, due to an error condition in the software or hardware.
- Responses are delayed because of poor performance.

**Corrective Action:** Check if the workstation is hanging and if there are any error messages at the workstation which indicate the cause of the problem. If the workstation is not hanging, there must be some performance bottleneck in the system. Try to determine whether this bottleneck is at the workstation side, in the communication media, or at the mainframe.

**UPDJ59E CONFIRMATION SEQUENCE NUMBER ERROR. EXPECTED=exp_num RECEIVED=rcv_num**

**Explanation:** The Control-M Application Server has received an out of sequence confirmation of a database update.

This error message is issued by the Control-M Application Server. The Mainframe Gateway expects to receive confirmations for database updates in increasing order, but a confirmation with a sequence number of rcv_num has been received, when a confirmation with a sequence number of at least exp_num was expected.

The Control-M Application Server continues executing.

**Corrective Action:** Contact BMC Software Customer Support.
UPDJ 60E DATA BASE UPDATE TYPE msgType HAS BEEN REJECTED BY THE WORKSTATION GATEWAY

Explanation: The Enterprise Controlstation gateway rejected a message of the msgType type from the Control-M Application Server.

This message is issued each time a database update message is rejected by the Enterprise Controlstation gateway.

Possible values for msgType are:

<table>
<thead>
<tr>
<th>msgType</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Update of full Active Jobs file record.</td>
</tr>
<tr>
<td>B</td>
<td>Short update of an Active Jobs file record.</td>
</tr>
<tr>
<td>N</td>
<td>New job that was added to the Active Jobs file.</td>
</tr>
<tr>
<td>O</td>
<td>Update of full Active Jobs file record.</td>
</tr>
<tr>
<td>X</td>
<td>Update of only the fixed part of an active jobs.</td>
</tr>
<tr>
<td>C</td>
<td>Condition update.</td>
</tr>
<tr>
<td>R</td>
<td>Control resource update.</td>
</tr>
<tr>
<td>Q</td>
<td>Quantitative resource update.</td>
</tr>
<tr>
<td>T</td>
<td>Alert (Shout message) to workstation.</td>
</tr>
</tbody>
</table>

The gateway continues processing. Rejected database updates are written to the file referenced by the DASNAP DD statement.

Corrective Action: Look for error messages on the workstation side and correct the problem accordingly. Review the rejected database updates in the file referenced by DASNAP.

UTI messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages UTI 300 through UTI 3xx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.
UTI330I COMPRESSED DATASET ACCESS METHOD MAINTENANCE UTILITY STARTED

Explanation: This information message indicates the normal start of the CTDAMUTI utility.
Corrective Action: No action is required.

UTI331I COMPRESSED DATASET ACCESS METHOD MAINTENANCE UTILITY ENDED OK

Explanation: This information message indicates the normal termination of the CTDAMUTI utility.
Corrective Action: No action is required.

UTI332S COMPRESSED DATASET ACCESS METHOD MAINTENANCE UTILITY ENDED WITH ERRORS

Explanation: The CTDAMUTI Compressed Dataset Access Method utility ended with errors.
This is a general message when the CTDAMUTI utility ends with errors. The job sysout should contain prior messages detailing the reasons.
Corrective Action: No action is required.

UTI333E INVALID CDAM MAINTENANCE UTILITY FUNCTION: func

Explanation: An invalid function was given to the CTDAMUTI Control-D utility.
For more information, refer to the section on the CTDAMUTI CDAM Maintenance Utility in the Control-D and Control-V User Guide.
The CTDAMUTI utility terminates with a return code of 08.
Corrective Action: Correct the function, and rerun the CTDAMUTI utility.

UTI334W NO CDAM FILES FOUND FOR THE SPECIFIED SELECTION CRITERIA

Explanation: No CDAM data sets were found that match the data set identification parameters given to the CTDAMUTI utility.
The CTDAMUTI CDAM Maintenance Utility attempts to locate CDAM data sets based on the data set identification parameters given to it. For more information, see the Control-D and Control-V User Guide.
One of the following problems is present:
- An error was made by the user in the data set identification parameter.
- Someone deleted the required CDAM data sets.
The CTDAMUTI utility will terminate with a return code of 04.
Corrective Action: No action is required.
1. Do one of the following:
   - Correct the data set identification parameter.
• Restore the requested CDAM data sets.
2. Rerun the utility.

UTI335S OPEN OF PARAMETERS FILE FAILED. DDNAME "SYSIN"

Explanation: The open of the SYSIN DD statement failed.

For more information, see the section on the CTDAMUTI CDAM Maintenance Utility in the Control-D and Control-V User Guide.

Possible causes are:
 The SYSIN or DAMUTIN DD statement is missing.
 The data set described by the SYSIN or DAMUTIN DD statement cannot be opened for sequential read.

The CTDAMUTI utility terminates with a return code of 12.

Corrective Action: Correct the CTDAMUTI JCL and rerun the utility.

UTI336I CDAM DATASET dsn IS BEING COPIED

Explanation: This information message from the CTDAMUTI utility indicates that CDAM data set dsn was copied successfully.

The CTDAMUTI utility terminates with a return code of 0.

Corrective Action: No action is required.

UTI337I CDAM DATASET dsn DELETED

Explanation: This information message from the CTDAMUTI utility indicates that CDAM data set dsn was deleted successfully.

The CTDAMUTI utility terminates with a return code of 0.

Corrective Action: No action is required.

UTI338W CDAM DATASET dsn IS NOT A SYSOUT (CANNOT BE PRINTED)

Explanation: The dsn CDAM data set is not a sysout file, meaning, a SYSOUT parameter was not specified when this CDAM file was created.

This warning message is issued by the CTDAMUTI utility.
The sysout class is set to *, and the dsn CDAM data set is printed.

Corrective Action: No action is required.

UTI339S OPEN OF OUTPUT (SPOOL PRINT) FILE FAILED

Explanation: Internal error in the CTDAMUTI utility.
The dynamic allocation of a sysout print file by the CTDAMUTI utility failed.
The CTDAMUTI utility terminates with a return code of 12.

Corrective Action: Have your system programmer call your IOA representative for assistance.
UTI33AS NO SELECTION PARAMETERS ARE SPECIFIED

Explanation: No CDAM selection parameters were specified in the input of the CTDAMUTI utility. At least one CDAM selection parameter must be specified in the input of the CTDAMUTI utility. The CTDAMUTI utility ends with an error.
Corrective Action: Rerun the CTDAMUTI utility specifying CDAM selection parameters.

UXD messages

This group includes messages for the Control-M/Analyzer product.

Messages UXDX00 through UXDXxx

This group includes messages for the Control-M/Analyzer product.

UXDX01E CTDX005 IS CALLED FOR AN INVALID FUNCTION function REQUEST REJECTED.

Explanation: Sample Exit Program CTDX005 was called for the function unintended function. The request is ignored.
Corrective Action: Notify your INCONTROL administrator.

UXDX02E CONTROL CHARACTER TRANSLATION ERROR

Explanation: An error occurred when sample Exit Program CTDX005 attempted to transfer ASA control characters to machine control characters, or vice versa. Translation of the current record is terminated.
Corrective Action: Notify your INCONTROL administrator.

UXDX03E ABEND abCode OCCURED IN CONTROL-D EXIT 005

Explanation: Abend abCode occurred during the execution of sample Exit Program CTDX005. The current request is terminated. The Exit program returns with a return code of 12.
Corrective Action: Notify your INCONTROL administrator.

UXDX04E ABEND abCode OCCURED IN CONTROL-D EXIT 003

Explanation: Abend abCode occurred during the execution of sample Exit Program CTDX003. The current request is terminated. The Exit program returns with a return code of 12.
Corrective Action: Notify your INCONTROL administrator.
UXDX05E PRINT FILE *ddName* CANNOT BE OPENED. REPORTS WILL BE SENT TO A SPOOL.

**Explanation:** Sample Exit Program CTDX005 was unable to open the *ddName* print file. The print mission’s output is rerouted to a spool instead of a dataset.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX06E FAILED TO ALLOCATE EXISTING PRINT FILE *dsName* RC=*rc* RSN=*/rsn*

**Explanation:** Sample Exit Program CTDX005 failed to use the existing *dsName* dataset for its print file. The variables in this message are:

- *dsName* - the dataset to be used for the print file
- *rc* - the return code from the failed dynamic allocation request
- *rsn* - the reason code from the failed dynamic allocation request

The Exit program tries to create a new dataset for its print file.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX07E PRINT FILE ALLOCATION ERROR: DSNAME=*dsName* RC=*rc* RSN=*/rsn*

**Explanation:** Sample Exit Program CTDX005 failed to allocate the new *dsName* dataset for its print file. The variables in this message are:

- *dsName* - the dataset to be used for the print file
- *rc* - the return code from the failed dynamic allocation request
- *rsn* - the reason code from the failed dynamic allocation request

The print mission’s output is rerouted to a spool instead of a dataset, as described in message UXDX05E.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX08I PRINT FILE *ddNamedsName* ASSIGNED TO MISSION *misName*

**Explanation:** This information message indicates that the *dsName* dataset was allocated for the print mission’s *misName* print file with *ddName*.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX09W FAILED TO UNALLOCATE PRINT FILE *ddName* RC=*/rc* RSN=*/rsn*

**Explanation:** Sample Exit Program CTDX005 failed to unallocate the *ddName* print file. The variables in this message are:
- `ddName` - the DD name to be used for the print file
- `rc` - the return code from the failed dynamic allocation request
- `rsn` - the reason code from the failed dynamic allocation request

The program continues with a new print file.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0AW CONTROL-D APAPARM PROCESSING WILL BE IGNORED.**

**Explanation:** The delivered sample Exit Program CTDAPA displays this message when it fails to get the directory of the APAPARM library. The detailed description of the error is presented by the preceding messages.

APAPARM processing is not carried out.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0BE CONTROL-D APAPARM PROCESSING IS TERMINATED.**

**Explanation:** The delivered sample Exit Program CTDAPA displays this message when it fails to read the member of the APAPARM library related to the report being processed. The detailed description of the error is presented by the preceding messages.

APAPARM processing is terminated for the report.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0CW TOO LONG AFP COMMAND command IN MEMBER memName, IT IS IGNORED**

**Explanation:** The delivered sample Exit Program CTDAPA displays this message when it encounters an AFP command that is too long in the `memName` member of the APAPARM library. The `command` in the message displays the header of the problematic AFP command in the `memName` member.

The referred AFP command is ignored during report printing.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0DW CONTROL-D NLP PROCESSING WILL BE IGNORED.**

**Explanation:** The delivered sample Exit Program CTDNLP displays this message when it fails to get the directory of the OUTPARMS library. The detailed description of the error is presented by the preceding messages.

NLP processing is not carried out.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0EE CONTROL-D NLP PROCESSING TERMINATED.**

**Explanation:** The delivered sample Exit Program CTDNLP displays this message when it fails to read the member of the OUTPARMS library related to the report being processed, or when that member contains invalid data. The detailed description of the error is presented by the preceding messages.
NLP processing is terminated for the report.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0FE INVALID NLP COMMAND command ... IN MEMBER memName**

**Explanation:** The delivered sample Exit Program CTDNLP displays this message when it encounters invalid data in the `memName` member of the OUTPARMS library. The `command` in the message displays the header of the problematic data line in the `memName` member.

See message UXDX0EE.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0GW NLP REPORT reportName SPECIFICATION NOT FOUND IN MEMBER memName**

**Explanation:** The delivered sample Exit Program CTDNLP displays this message when it does not find an NLP specification of the `reportName` report in the `memName` member of the OUTPARMS library.

NLP processing is not carried out for the report.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0HW CONTROL-D TP1 PROCESSING WILL BE IGNORED.**

**Explanation:** The delivered sample Exit Program CTDTP1 displays this message when it fails to get the directory of the TP1PARM library. The detailed description of the error is presented by the preceding messages.

TP1 processing is not carried out for the report.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0IW TP1 REPORT reportName SPECIFICATION NOT FOUND IN MEMBER memName**

**Explanation:** The delivered sample Exit Program CTDTP1 displays this message when it does not find a TP1 specification of the `reportName` report in the `memName` member of the TP1PARM library.

TP1 processing is not carried out for the report.

**Corrective Action:** Notify your INCONTROL administrator.

**UXDX0JE CONTROL-D TP1 PROCESSING TERMINATED.**

**Explanation:** The delivered sample Exit Program CTDTP1 displays this message when it fails to read the member of the TP1PARM library related to the report being processed. The detailed description of the error is presented by the preceding messages.

TP1 processing is terminated for the report.

**Corrective Action:** Notify your INCONTROL administrator.
UXDX0KW CONTROL-D OUTPARMS PROCESSING WILL BE IGNORED.

**Explanation:** The delivered sample Exit Program CTDOUT displays this message when it fails to get the directory of the OUTPARMS library. The detailed description of the error is presented by the preceding messages.

OUTPARMS processing is not carried out.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX0LE CONTROL-D OUTPARMS PROCESSING TERMINATED.

**Explanation:** The delivered sample Exit Program CTDOUT displays this message when it fails to read the member of the OUTPARMS library related to the report being processed. The detailed description of the error is presented by the preceding messages.

OUTPARMS processing is not carried out for the report.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX0ME CONTROL-D BANNERS PROCESSING TERMINATED.

**Explanation:** Either the CTDX003 or CTDX014 delivered sample Exit Programs displays this message when it fails to get the directory of the BANNERS library or when the allocated memory is not sufficient to process banners. The detailed description of the error is presented by the preceding messages.

Banners processing is not carried out.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX0NE PROGRAM CTDINX FAILED ON FUNCTION *func* WITH RC=*rc*

**Explanation:** The delivered sample Exit Program CTDX003 displays this message when it fails to print the mission bundle index or the user bundle index.

The variables in this message refer to program CTDINX, which is responsible for building those indexes:

- *func* - the type of the program call
- *rc* - the return code of the program

Printing of the bundle indexes is terminated.

**Corrective Action:** Notify your INCONTROL administrator.

UXDX0PE PROGRAM CTDINX FAILED ON FUNCTION *func* RC=*rc* FDBK=*feedback*

**Explanation:** The delivered sample Exit Program CTDX003 displays this message when it fails to initiate printing of a bundle index.

The variables in this message refer to program CTDINX, which is responsible for building those indexes:
func - the type of the program call
rc - the return code of the program
feedback - the feedback code from the SYSOUT open or (un)allocation, in case of error

Printing of the bundle indexes is not carried out.
Corrective Action: Notify your INCONTROL administrator.

VPL messages

This group includes messages for the Control-O product.

Messages VPL400 through VPL4xx
This group includes messages for the Control-O product.

VPL440I READ/WRITE GLOBAL VARIABLES STARTED
Explanation: This information message indicates that the CTOVPL program, which is responsible for loading and writing global variables, has begun read/write to the Control-O global pools.
Corrective Action: No action is required.

VPL441S INVALID PARAMETERS
Explanation: The CTOVPL program received an incorrect parameter list while executing a LOADGLOBAL/WRITEGLOBAL command.
This message indicates an internal error.
Corrective Action: Contact BMC Software Customer Support.

VPL442S ERROR OPENING DAGLBLST
Explanation: The CTOVPL program was unable to open the Global Pool List during execution of a LOADGLOBAL/WRITEGLOBAL command.
The Global Pool List is defined by the DAGLBLST DD statement in the procedure of the Control-O monitor.
The LOADGLOBAL/WRITEGLOBAL command is ignored.
Corrective Action: Check and correct the DD statement and related data set specifications in the Control-O monitor procedure.

VPL443S POOL poolid - GETMAIN ERROR
Explanation: The user issued a LOADGLOBAL command with the poolid Variable Global pool. However, the variables in this pool could not be loaded.
There is insufficient storage in ECSA for loading Global variables from the specified Global variable pool.
Command LOADGLOBAL is ignored.
Corrective Action: Increase the size of ECSA storage.

VPL444S POOL poolid - ERROR LOADING GLOBAL VARIABLES
Explanation: Control-O could not load variables from the poolid Global variable pool. This message is preceded by messages describing the cause of the error. Command LOADGLOBAL is ignored.
Corrective Action: See the accompanying messages for details about the cause of the error and possible solutions.

VPL445S POOL poolid - ERROR WRITING GLOBAL VARIABLES
Explanation: Control-O could not write variables to the poolid Global pool. This message is preceded by messages describing the cause of the error. Command WRITEGLOBAL is ignored.
Corrective Action: See the accompanying messages for details about the cause of the error and possible solutions.

VPL446S POOL poolid - NOT FOUND IN MEMORY
Explanation: The user specified a LOADGLOBAL/WRITEGLOBAL command, but Control-O could not locate the specified pool.
Control-O could not locate the specified pool while executing a LOADGLOBAL/WRITEGLOBAL command and could not locate the control block for the specified pool name. This usually happens when either the specified pool name is not defined in the Global Pool List member (DAGLBLST) or the specified member was never loaded.
The LOADGLOBAL/ WRITEGLOBAL command is ignored.
Corrective Action: No action is required.
1. Define the pool in the DAGLBLST member.
2. Load the pool by means of the LOADGLOBAL command.

VPL447S FREEMAIN INTERNAL ERROR
Explanation: The CTOVPL program was unable to free internal control blocks while executing a LOADGLOBAL/WRITEGLOBAL command.
This message indicates an internal error.
Corrective Action: Contact BMC Software Customer Support.

VPL448S ERROR FREEING AUTO-EDIT INTERNAL BLOCKS
Explanation: The CTOVPL program was unable to free internal control blocks while executing a LOADGLOBAL/WRITEGLOBAL command.
This message indicates an internal error.
Corrective Action: Contact BMC Software Customer Support.
VPL449S ERROR FREEING GLOBAL POOL INTERNAL BLOCKS

**Explanation:** Control-O could not free internal control blocks of a Global variable pool.

Control-O could not free internal control blocks while executing a LOADGLOBAL/WRITEGLOBAL command. This message indicates an internal error.

**Corrective Action:** Contact BMC Software Customer Support.

VPL44AS ERROR RELEASING COUPLING FACILITY RESOURCES

**Explanation:** Old data was not successfully deleted from the Coupling facility.

When newly loaded variables became effective after a LOAGLOBAL operation for an XAE (SYSPLEX-wide AutoEdit) database, Control-O or CMEM failed to delete the old copy of the AutoEdit databases from the Coupling facility.

Old data from the Coupling facility structure is not deleted.

As a result, unnecessary data may accumulate in the space allocated for the Coupling facility structure until the space is exhausted.

**Corrective Action:** Shut down all Control-O or CMEM monitors as soon as possible and restart them, one at a time.

In addition, send the sysout files for your monitor to BMC Software Customer Support for analysis.

VPL44BE ERROR SWITCHING COUPLING FACILITY INFORMATION

**Explanation:** During an attempt to switch to the new version of XAE database variables that were being loaded, an error occurred.

XAE variables are loaded in three steps. They are loaded to ECSA, copied to the Coupling facility and then marked effective in the Coupling facility. This message indicates a failure during the third step.

During the implicit LOADGLOBAL operation at startup, Control-O initialization fails. During ongoing operations, only the LOADGLOBAL operation fails.

**Corrective Action:** Send all the Control-O sysout files and the contents of the DAGLBLST library member to BMC Software Customer Support for analysis.

VPL44CE request (X’code!’) FOR STRUCTURE structureName FAILED.

**REASON:** rsn

**Explanation:** A request to the XAE structure failed. The message details the request name and code, and the reason for the failure.

Additional information is written to DATTRACE.

**Corrective Action:** Check that all XAE structures are allocated and that Control-O or CMEM did not lose a connection to them. If a connection was lost, restart Control-O or CMEM. Otherwise, contact BMC Software Customer Support for assistance.

VPL450S POOL poolid IS NOT SPECIFIED IN DAGLBLST

**Explanation:** Control-O could not locate the poolid pool in the DAGLBLST Global Variable Pool List member.
This message is normally issued in response to a failure of a LOADGLOBAL/WR ITEGLOBAL command in the DAGLBLST Global Pool List member. The LOADGLOBAL/WR ITEGLOBAL command is ignored.

**Corrective Action:** Do the following:

1. Define the pool in the DAGLBLST Global Pool List member.
2. Load the pool by means of command LOADGLOBAL.

**VPL451S INVALID CARD IN DAGLBLST**

**Explanation:** The CTOVPL program detected an invalid statement in the Global Pool List. The Global Pool List is defined in the DAGLBLST DD statement in the Control-O monitor procedure. The LOADGLOBAL/WR ITEGLOBAL command is ignored.

**Corrective Action:** Check and correct the Global Pool List member.

**VPL452S POOL poolid IS PROTECTED. IT CANNOT BE UPDATED**

**Explanation:** Control-O cannot execute a WRITEGLOBAL command for the poolid Global Variable pool. The poolid pool name is defined in the DAGLBLST Global Variable Pool List member as protected or temporary.

**Corrective Action:** Check the definition of the pool in the DAGLBLST member and correct the definition if necessary.

**VPL453S INTERNAL ERROR HANDLING PNX BLOCKS**

**Explanation:** This message indicates an internal error.

**Corrective Action:** Contact BMC Software Customer Support.

**VPL454S POOL poolid - AUTOEDIT ERROR, RC=rc,REASON=rsn**

**Explanation:** Control-O detected an invalid AutoEdit expression in the poolid Global Variable pool at startup or while executing command LOADGLOBAL. The poolid Global variable specified in the AutoEdit expression was not loaded. The error was caused for one of the following reasons:

- A mistake was made when the POOL member was manually edited.
- There was an internal error.

Depending on poolid type, the pool is stored in one of two locations: the Global Variables Library or a Control-O AutoEdit Variable database.

**Corrective Action:** No action is required.
1. Refer to the table in the description of message WTO283E in this document for an explanation of the return code and reason code included in this message.

2. Check the source of the AutoEdit expression.

3. Correct the error and reissue command LOADGLOBAL.

4. If the problem is due to an internal error, contact BMC Software Customer Support.

VPL455I POOL poolid HAS BEEN LOADED TYPE= pool_type
ROWS=loaded_variables/ max_variables_allowed

Explanation: This information message indicates that the Global Variable pool poolid was successfully loaded. If pool_type starts with DB, S1 or S2 the numbers in ROWS= are the loaded value and the maximum variables allowed. In other cases the values will be 0.

Corrective Action: No action is required.

VPL456I POOL poolid HAS BEEN WRITTEN

Explanation: This information message indicates that the Global Variable pool poolid was successfully written.

Corrective Action: No action is required.

VPL457W DATABASE database NOT FOUND IN DATABASES FILE

Explanation: During Control-O or CMEM initialization, Control-O or CMEM failed to load the Global AutoEdit Variable database because the database does not exist in the Global AutoEdit Variable Database file.

The member pointed to by the DD name DAGLBLST contains, among other things, a list that specifies the Control-O Global AutoEdit Variable database and the IOA Global AutoEdit Variable database. The required database that appears in the list does not exist in the Global AutoEdit Variable Database file.

Control-O or CMEM initialization continues.

Corrective Action: Notify the INCONTROL administrator.

VPL458S POOL poolid - ERRORS WHILE READING POOL

Explanation: Control-O could not read the poolid Global variable pool during execution of command LOADGLOBAL.

The poolid pool is not loaded.

Corrective Action: Verify that the Global pool is in the Global AutoEdit library and that the library is not corrupted.

VPL459I READ/WRITE GLOBAL VARIABLES ENDED

Explanation: This information message indicates that the CTOVPL program successfully completed execution of command LOADGLOBAL/WRITEGLOBAL.

Corrective Action: No action is required.
VPL45AW WARNING! poolName CONVERTED FROM Stype TO Dbtype

**Explanation:** There is a conflict between inconsistent IOAPLEX and DAGLBLST settings, as follows:
- In IOAPLEX, the ENABXES parameter or ENABXAE parameter is set to N.
- In DAGLBLST, the XAE database is specified as S1 type and S2 type, where type is one of the following database types:
  - TEMP
  - PROT
  - INPUT
  - INOUT

Control-O loads the database as a standard, or non-XAE, database. Database loading continues.

**Corrective Action:** Check whether, and how, the reduced capability affects any applications that use the downgraded XAE pool.

VPL45BE --- MEMBER TYPE ERROR ---

**Explanation:** Control-O or CMEM monitor encounter an invalid POOL TYPE in control record in the DAGLOBAL list file.

**Corrective Action:** No action is required.

VPL45CE --- KEYWORD NOT RECOGNIZED ---

**Explanation:** Control-O or CMEM monitor encounter an invalid keyword in a record in the DAGLOBAL list file.

**Corrective Action:** No action is required.

VPL45DE --- ALL BLANKS - ERROR ---

**Explanation:** Control-O or CMEM monitor the control record in the DAGLOBAL list file is all blank.

**Corrective Action:** No action is required.

VPL45EE --- NO BLANKS - ERROR ---

**Explanation:** Control-O or CMEM monitor encounter an empty control record format in the DAGLOBAL list file.

**Corrective Action:** No action is required.

VPL45FE --- LESS THAN ZERO ---

**Explanation:** Control-O or CMEM monitor encounter an invalid control record value in the DAGLOBAL list file.

**Corrective Action:** No action is required.
VPL45GE --- INVALID CARD FORMAT ---

**Explanation:** Control-O or CMEM monitor encounter an invalid control record format in the DAGLOBAL list file.

**Corrective Action:** No action is required.

VPL45HE RECORD=record

**Explanation:** Control-O or CMEM monitor encounter an error in the DAGLOBAL list file the previous error messages.

The record has been rejected.

**Corrective Action:** Correct the record and LOADGLOBAL or WRITEGLOBAL as necessary.

VPL45IE MAXIMUM NUMBER OF ROWS max-num-rows EXCEEDED WHILE LOADING POOL pool-name. LOAD STOPPED.

**Explanation:** During LOADGLOBAL of AutoEdit POOL pool-name, excessive rows were encountered beyond the maximum number of defined rows max-num-rows in screen IV.

The loading stops.

**Corrective Action:** If the unloaded AutoEdit variable is required, increase the maximum number of rows for the pool using the screen IV and re-issue the LOADGLOBAL command.

VPL45JI XAE TYPE 2 POOL pool-name HAS NOT BEEN LOADED BECAUSE ANOTHER LPAR HAS ALREADY LOADED IT.

**Explanation:** During initial loading of AutoEdit POOLs, loading of the POOL pool-name, has been skipped because the POOL has already been loaded by Control-O/CMEM on another LPAR.

**Corrective Action:** No action is required.

VRF messages

This group includes messages for the IOA (infrastructure) product.

Messages VRFJ 00 through VRFJ xx

This group includes messages for the IOA (infrastructure) product.

VRFJ 00E ddName - REAL NUMBER OF BLOCKS DIFFERENT THAN DEFINED

**Explanation:** The number of blocks in the file, indicated by the ddName DD statement, does not match the CNDREC# parameter defined in the IOAPARM member. The IOACCND verification program terminates with a return code of 04.

**Corrective Action:** Correct the number of blocks specified in the CNDREC# parameter table, or increase the file size so that it contains at least as many blocks as specified in the table.
VRFJ 01E ddName - NUMBER OF BLOCKS ALLOCATED GREATER THAN DEFINED

**Explanation:** The actual size of the file pointed to by the `ddName` DD statement was greater than the size defined in the parameter table by a factor of more than one track.

The size of the file is defined in IOAPARM, CTMPARM or CTDPARM, depending on the product in which the file is used.

The verification program terminates with a return code of 04.

**Corrective Action:** Correct the number of blocks specified in the parameter table, or change the file size, so that they correspond more closely.

VRFJ 02E ddName - NOW BEING FORMATTED - TRY AGAIN LATER

**Explanation:** File utilization data cannot be obtained because the Active Jobs file pointed to by the `ddName` DD statement is currently being formatted.

Processing of the Active Jobs file terminates with a return code of 08.

**Corrective Action:** Try running the IOAVERFY utility later.

VRFJ 03E ddName - PARM QNAME qName1 DIFFERENT THAN IN FILE qName2

**Explanation:** QNAME `qName1` defined in CTMPARM differs from QNAME `qName2` specified in the file pointed to by the `ddName` DD statement.

In a correctly installed system, the qnames of the files must be identical to the QNAME specified in CTMPARM.

Processing of the current command terminates with a return code of 8.

**Corrective Action:** Reformat the file pointed to by the `ddName` DD statement using the proper installation procedures.

VRFJ 04E ddName - RECORD LENGTH FOR VERSION versn SHOULD BE len

**Explanation:** An incorrect record length was specified for the file pointed to by the `ddName` DD statement. The record length should be the length `len` specified in the message for the version of the product `versn` indicated in the message.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Delete and redefine the file with the proper record length.

VRFJ 05E ddName - INVALID VERSION - versn

**Explanation:** The IOA version found in the file pointed to by the `ddName` DD statement was not recognized.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Reformat the file and rerun the IOAVERFY utility. If the problem persists, notify BMC Software Customer Support.
VRFJ 06E ddName - DSORG org - SHOULD BE DIRECT ACCESS OR SEQUENTIAL

**Explanation:** The file pointed to by the `ddName` DD statement is defined with data set organization `org`. It should be defined as DA (Direct Access) or sequential.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Define the file according to the specifications contained in the IOA Installation Guide.

VRFJ 07E ddName - RECFM recFormat - SHOULD BE FIXED

**Explanation:** The file pointed to by the `ddName` DD statement has the record format `recFormat`. It should be defined as F (Fixed).

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Define the file according to the specifications contained in the IOA Installation Guide.

VRFJ 08E ddName - DEVTYP device_type - MUST BE 3340/3350/3375/3380/3390/9345

**Explanation:** The file pointed to by the `ddName` DD statement has an invalid device type (`device_type`).

Valid device types, as indicated in the message, are 3340, 3350, 3375, 3380, 3390 and 9345.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Define a valid device type for the file.

VRFJ 12E ddName IS A MULTI VOLUME DATASET. VOL=volser

**Explanation:** The file pointed to by the `ddName` DD statement is defined on more than one volume. Volume `volser` indicates the first volume.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Make sure that the file is defined on one volume only.

VRFJ 13E ddName - volser - VOLUME NOT MOUNTED

**Explanation:** Volume `volser`, which contains the file pointed to by the `ddName` DD statement is not available.

Processing of the current command terminates with a return code of 16.

**Corrective Action:** Make sure that the volume `volser` is online, and rerun the IOAVERFY utility.

VRFJ 14E ddName - DSCB NOT FOUND ON VOLUME volser

**Explanation:** No format-1 DSCB was found on volume `volser` for the file pointed to by the `ddName` DD statement.

The file pointed to by the `ddName` DD statement is not defined on volume `volser`. 
Processing of the current command terminates with a return code of 16.

**Corrective Action:** Make sure that the correct volume is referenced in the JCL of the `ddName` DD statement, or that the file is correctly cataloged.

**VRFJ 15E ddName - I/O ERROR ON VTOC OF VOLUME volser**

**Explanation:** An error has occurred when accessing the VTOC of volume `volser`.

Processing of the current command terminates with a return code of 16.

**Corrective Action:** Contact BMC Software Customer Support.

**VRFJ 16E ddName - BLOCK SIZE IS LARGER THAN TRACK SIZE**

**Explanation:** The block size of the file pointed to by the `ddName` DD statement is larger than the size of a track on the disk on which the file resides.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Define the block size of the file to be no greater than one track.

**VRFJ 17E ddName IS AN EMPTY DATASET**

**Explanation:** The file pointed to by the `ddName` DD statement does not contain any records.

Processing of the current command terminates with a return code of 16.

**Corrective Action:** Format the file (using the appropriate formatting step in the ICE CUSTOMIZE process), and rerun the IOAVERFY utility.

**VRFJ 18E COMMAND NOT SUPPORTED IN FUJITSU (MSP) SYSTEM**

**Explanation:** The specified command cannot be used to obtain system information under Fujitsu.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** No action is required.

**VRFJ 19E SUBSYSTEM subsys NOT FOUND**

**Explanation:** A LIST SUBSYSTEM command was specified for a subsystem (`subsys`) which is not defined.

The LIST SUBSYSTEM command lists the control blocks for the specified subsystem. If the subsystem name is omitted, the default is taken from IOAPARM.

Processing of the current command terminates with a return code of 08.

**Corrective Action:** Specify the LIST SUBSYSTEM command either with a correct subsystem name or without a subsystem name.

**VRFJ 20I SUBSYSTEM subsys IS NOT ACTIVE**

**Explanation:** This information message is generated when the IOAVERFY utility determines (using the LIST SUBSYSTEM command) that subsystem `subsys` is not active.

Processing of the current command terminates with a return code of 04.
Corrective Action: No action is required.

VRFJ 21I SUBSYSTEM BELONGS TO ANOTHER ENVIRONMENT
Explanation: This information message is generated if the IOA environment in the subsystem control blocks does not match the environment the IOAVERFY utility belongs to.
This message is accompanied by messages VRFJ 22I and VRFJ 23I, which provide additional information about the mismatched environments.
Blocks SSCT and SSVT are printed, and the command terminates.
Corrective Action: Provide BMC Software Customer Support with the information presented in messages VRFJ 22I and VRFJ 23I.

VRFJ 22I SUBSYSTEM subsys ENVIRONMENT: env
Explanation: This information message displays the environment (env) found in the control blocks of the subsys subsystem.
This message accompanies message VRFJ 21I, which indicates an environment mismatch between the subsystem and the IOAVERFY utility.
Corrective Action: No action is required.

VRFJ 23I VERIFICATION PROGRAM ENVIRONMENT: env
Explanation: This information message displays the environment (env) of the IOAVERFY utility.
This message accompanies message VRFJ 21I, which indicates an environment mismatch between the subsystem and the IOAVERFY utility.
Corrective Action: No action is required.

VRFJ 24E SSVT SCAN ERROR - FUNCTION TERMINATED
Explanation: The IOAVERFY utility detected an internal error while scanning the subsystem control blocks.
Processing of the current command terminates with a return code of 16.
Corrective Action: Notify BMC Software Customer Support.

VRFJ 28S NUMBER OF ALLOCATED RECORDS ON THE AJF IS NOT EQUAL TO MI0SIZE
Explanation: The value of the CKPSIZE parameter in CTMPARM is not equal to the value in the MI0SIZE field of Active Jobs File (AJF) record0 (the first record in the AJF).
DSECT CTMMI0 describes AJF record0.
The number of records in the AJF (the value in the MI0SIZE field) must equal the number specified by CKPSIZE in CTMPARM.
Processing of the current statement stops and a return code of 16 is issued.
Corrective Action: Make sure that the ALCIOVFY library member in PARM points to the correct AJF.
VRFJ 29E JOB(XXXXXX) IN TABLE(YYYYYY) DOESN'T POINT BACK TO ITS PARENT

**Explanation:** A table (identified by RBA YYYYYY) contains a job (identified by RBA Xxxxxxx), but the job does not include a reference to the table.

**Corrective Action:** Run the utility again with the CORRECT parameter.

VRFJ 2AE TABLE(YYYYYY) DOESN'T POINT TO A JOB(XXXXXX) BELONGING TO IT

**Explanation:** A job (identified by RBA Xxxxxxx) includes a reference to a table (identified by RBA YYYYYY), but the table does not contain the job.

**Corrective Action:** Run the utility again with the CORRECT parameter.

VRFJ 2BE ORPHAN JOB(XXXXXX) POINTS TO A NON-TABLE ENTITY(YYYYYY)

**Explanation:** A job (identified by RBA Xxxxxxx) includes a reference to a non-table entity (identified by RBA YYYYYY), but the job is not contained in any table.

**Corrective Action:** Run the utility again with the CORRECT parameter.

VRFJ 2CW OID IN DIAGNOSE CMD IGNORED SINCE JOB IS PART OF SMART TABLE. FULL AJF IS PROCESSED.

**Explanation:** During the execution of the IOA IOAVERFY utility in which the following request was issued:

```
DIAGNOSE AJF FORMAT OID=oid
```

the utility determined that the job associated with order-ID oid was ordered as part of (contained in) a SMART table. Since the utility supports the OID parameter for stand-alone jobs only, but not for jobs that are part of SMART tables, the DIAGNOSE FORMAT request is performed for the entire AJF. The utility continues processing the entire AJF.

**Corrective Action:** No action is required.

VRFJ 30S THE SNC RECORD SNCCND# VALUE DOESN'T MATCH IOAPARM CNDREC# PARAMETER

**Explanation:** The value of the CNDREC# parameter in IOAPARM, which specifies a number of records, does not match the number of records specified in the SNC record.

A number of records is set during installation to determine file sizes. CNDREC# specifies the number of records in the IOA Conditions file. This value must equal the number of records that SNCCND# specifies in the SNC record.

The system stops processing the current statement and issues a return code of 16.

**Corrective Action:** Make sure that the ALCIOVFY library member in IOAPARM points to the correct SNC file.
VRFJ 31E TWO CONSECUTIVE "VER" INPUT STATEMENTS ARE NOT ALLOWED

**Explanation:** Two VER statements occur in succession. One REP statement must follow each VER statement. Only the second VER statement is processed.

**Corrective Action:** Correct the VER and REP statements, and rerun the IOAVERFY utility.

VRFJ 32E A "REP" INPUT STATEMENT IS PRESENT BEFORE THE CURRENT "VER"

**Explanation:** A REP statement precedes a VER statement. Each REP statement must follow a VER statement. Only the VER statement is processed. The REP statement is ignored.

**Corrective Action:** Correct the VER and REP statements, and rerun the IOAVERFY utility.

VRFJ 33E TWO CONSECUTIVE "REP" INPUT STATEMENTS ARE NOT ALLOWED

**Explanation:** Two REP statements occur in succession. One VER statement must precede each REP statement. Only the second REP statement is processed. The first REP statement is ignored.

**Corrective Action:** Correct the VER and REP statements, and rerun the IOAVERFY utility.

VRFJ 34E A "REP" INPUT STATEMENT IS PRESENT, BUT NO PREVIOUS "VER"

**Explanation:** There is no VER statement before the current REP statement. One VER statement must precede each REP statement. The REP statement is ignored.

**Corrective Action:** Correct the VER and REP statements, and rerun the IOAVERFY utility.

VRFJ 35I THE RECORD WAS MODIFIED SUCCESSFULLY

**Explanation:** This information message indicates that the Control-M Active Jobs file, the Control-M History file, the IOA Conditions file, or the Control-M Resources file, was updated by a set of VER and REP statements.

**Corrective Action:** No action is required.
VRFJ 36S CANNOT BALANCE QUANTITATIVE RESOURCE quantResource
ADJUST IT MANUALLY

**Explanation:** The VERIFY utility found that the number of units of this resource currently in use exceeds the maximum defined for it.

**Corrective Action:** Use the ADD, CHANGE and/or DELETE options on screen 4 to manually balance the resource file.

VRFJ 37I NO ERRORS FOUND IN fileName FILE (verifyType VERIFICATION)

**Explanation:** This information message indicates that the DIAGNOSE command of the IOAVERFY utility did not find any errors in the specified file.

In this message, **verifyType** is one of the following:

- **STANDARD** - no errors were found using the standard DIAGNOSE command (without the FORMAT subparameter).
- **ENHANCED** - no errors were found using the enhanced verification method (FORMAT (and OID) subparameters).

**Corrective Action:** No action is required.

VRFJ 38E A "VER" STATEMENT MUST BE PRECEDED BY "ZAP FILE fileId"

**Explanation:** When a file is to be modified by means of the VER and REP statements using the IOAVERFY utility, the file to be modified must be identified in a ZAP statement that must precede the VER and REP statements.

The ZAP statement must be in the format

```
ZAP FILE fileId
```

where **fileId** is one of the following:

- **AJF** - the Control-M Active Jobs file
- **HST** - the Control-M History Jobs file
- **CND** - the IOA Conditions file
- **RES** - the Control-M Resources file

**Corrective Action:** No action is required.

VRFJ 40I VERIFY ENQ STARTED ON THE system-id SYSTEM FOR THE qname QNAME

**Explanation:** This informational message indicates that the IOAVERFY utility was invoked with the VERIFY ENQ parameter on the **system-id** system to verify the locking mechanism for the **qname** QNAME.

**Corrective Action:** No action is required.
VRFJ41E VERIFY ENQ FAILED. *ERROR TYPE* type *REASON CODES=* xx xx xx

**Explanation:** An error occurred when executing the IOAVERFY utility with the VERIFY ENQ parameter. The utility terminated with return code 12. The error type and reason codes displayed in the message indicate the type of error.

**Corrective Action:** Keep the IOAVERFY job log of the failed run and contact BMC Software Customer Support.

VRFJ42I VERIFY ENQ FINISHED ON THE *system-id* SYSTEM FOR THE *qname* QNAME

**Explanation:** This informational message indicates that the IOAVERFY utility, invoked with the VERIFY ENQ parameter, finished verifying the locking mechanism for the *qname* QNAME on the *system-id* system.

**Corrective Action:** Verify that the list produced by the IOAVERFY utility (beginning with the VRFJ44I title message and continuing with the VRFJ45I informational messages) includes all the systems where the instances of IOAVERFY (with the VERIFY ENQ parameter) were simultaneously invoked. Any system that is not included has a problem with the ENQ related definition. For further information about the QNAME and SHRQNAM parameters, see the chapter about IOA in the INCONTROL for z/OS Installation Guide.

VRFJ43I VERIFY ENQ: START CONTROL-M ENQ TEST? *L(IST), Q(UIT)*

**Explanation:** This informational message indicates that the IOAVERFY utility, with the VERIFY ENQ parameter, is ready to start checking the locking mechanism.

**Corrective Action:** Do one of the following:

- To start checking the locking mechanism
- Simultaneously, start instances of the IOAVERFY utility (using the same specification of the VERIFY ENQ parameter) on all the systems having access to the IOA and Control-M files.
- Enter *L*.
- To stop the checking process, terminate the utility by entering *Q*.

VRFJ44I ------- LIST OF SYSTEMS SHARING THE ENQ RESOURCES
---------------

**Explanation:** This title message precedes the VRFJ45I informational messages that display the systems that correctly share the ENQ resources.

**Corrective Action:** No action is required.

VRFJ45I *system-id*

**Explanation:** This informational message contains the name of a system (detected by the IOAVERFY utility with the VERIFY ENQ parameter) that correctly shares the ENQ resources. The list of VRFJ45I messages is preceded with the VRFJ44I title message.
Corrective Action: Verify that the list produced by the IOAVERFY utility includes all the systems where the instances of IOAVERFY (with the VERIFY ENQ parameter) were simultaneously invoked. Any system that is not included has a problem with the ENQ related definition. For further information about the QNAME and SHRQNAM parameters, see the chapter about IOA in the INCONTROL for z/OS Installation Guide.

VRFJ 46E RESOURCES WITH THE qname QNAME ARE EXCLUDED FROM GLOBAL SERIALZATION

Explanation: The IOAVERFY utility (with the VERIFY ENQ parameter) detected that ENQ requests (with the QNAME specified in the utility parameters) are excluded from cross-system serialization. If the z/OS Global Resource Serialization is being used, this occurs when RNLDEF RNL(EXCL) is defined for qname in the GRS resource name list. The utility terminates with a return code of 8.

Corrective Action: If the z/OS Global Resource Serialization is used, remove the RNLDEF RNL(EXCL) definition for qname. If another cross-system serialization facility is used, ensure that the ENQ requests for qname are correctly handled by the facility. For further information about the QNAME and SHRQNAM parameters, see the chapter about IOA in the INCONTROL for z/OS Installation Guide.

VRFJ 47E GLOBAL RESOURCE SERIALZATION NOT ACTIVE ON THE system SYSTEM

Explanation: The IOAVERFY utility (with the VERIFY ENQ parameter) detected that the global resource serialization is not active on the system where the utility ran. The utility terminates with a return code of 8.

Corrective Action: If the IOA and Control-M files are accessed from several systems (in a multi-system environment), the global resource serialization facility must be activated to provide serialized file access and update, while preventing file corruption. For further information about the QNAME and SHRQNAM parameters, see the chapter about IOA in the INCONTROL for z/OS Installation Guide.

WKJ messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages WKJ 400 through WKJ 4xx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

WKJ 437E INVALID DATE date SPECIFIED FOR action

Explanation: While processing a CMEM or Control-O request for action FORCEJOB, ADDCOND, or DELCOND, the Control-M monitor encountered an invalid date.

The date was either not a valid date or was not in the format specified by the DATETYP parameter in the IOAPARM.
This message is followed by the WKJ A59E message or the WKJ C39E message which identifies the failed action.

No additional action will be taken for the failed job or table order.

**Corrective Action:** Make sure that the date format corresponds to the DATETYP parameter in IOAPARM.

**WKJ 438E** INTERNAL ERROR ON THE COMMUNICATION FILE. A SNAP IS PRODUCED

**Explanation:** Control-M has detected mismatches in the communications file while processing SHOUT to Log records from Control-O.

**Corrective Action:** There are two possible causes for this problem. The corrective action depends on the cause of the problem.

<table>
<thead>
<tr>
<th>Problem Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The number of subsystem-to-monitor file (S2M) records is not the same in the CTMPARM member and in the FORMSUB2 job, the file allocation and format job.</td>
<td>Compare the CTMCPU statements in CTMPARM with the FORMSUB2 job that was run for each system. If the problem persists, save the snap (dump), prepare the Control-M monitor full output, and contact BMC Customer Support.</td>
</tr>
<tr>
<td>The value of the SMODE parameter in CMMPARM or CTOPARM is not F.</td>
<td>Ensure that the SMODE parameter in CMMPARM or CTOPARM is set to F.</td>
</tr>
</tbody>
</table>

The affected records are not written to the IOA Log. A snap dump is written to the DADUMP DD statement.

**WKJ 439E** MISSING JOB jobName IN TABLE tableName IN lib

**Explanation:** The jobName job was not found in the tableName table.

A FORCEJOB request for the jobName job in the tableName table failed.

This message is followed by message WKJ A59E, which contains more details about the error.

No additional action will be taken for the failed job order.

**Corrective Action:** Check that the job exists in the indicated scheduling table. For further actions, see message WKJ A59E FORCEJOB FAILED FOR JOB jobName IN TABLE tableName FROM dsn.

**WKJ 43EW** JOB jobName (OID=orderId) HUNG IN SUBMISSION

**Explanation:** The jobName job is used to trigger a Control-O or CMEM ON JOBARRIV rule that contains a DO FORCEJOB command. However, the jobName job has been hung in submission status for several seconds.

Control-M does not order and submit the job identified in the DO FORCEJOB command.
**Corrective Action:** Consider manually forcing the job identified in the DO FORCEJOB command.

**WKJ 43FI TRIGGER JOB jobName (jobId) NOT FORCED**

**Explanation:** The jobName job is used to trigger a Control-O or CMEM ON JOBARRIV rule that contains a DO FORCEJOB command. However, the jobName job is one of the following:

- a cyclic job found on the Active Jobs file
- hung in submission status
- currently being handled by one of the local sysplex monitors

Control-M does not order and submit the job identified in the DO FORCEJOB command.

**Corrective Action:** Do the following:

1. Check to see if JES is hung. If it is, find out why, and address that problem.
2. Consider how to act in relation to
3. the jobName job, that is, the job that is hung
4. the job identified in the DO FORCEJOB command

**WKJ 440I CONTROL-M MONITOR IS READY TO RECEIVE CMEM REQUESTS**

**Explanation:** This information message indicates that the CMEM facility in the Control-M monitor was successfully initialized and the Control-M monitor is ready to accept requests from Control-O or from CMEM subsystem functions.

**Corrective Action:** No action is required.

**WKJ 441E CONTROL-M MONITOR CMEM FACILITY IS DEACTIVATED AS A RESULT OF A FAILURE**

**Explanation:** Highlighted, unrollable message.

A severe error has occurred while processing requests from one of the following:

- Control-O
- CMEM subsystem functions
- Control-M DO FORCEJOB

Information about the error which caused the deactivation of the On Spool Jobs Facility was previously displayed on the operator console.

Control-M monitor stops processing requests from:

- Control-O
- CMEM subsystem functions
- Control-M DO FORCEJOB.

Other parts of Control-M monitor will not be affected.

**Corrective Action:** Look for previous error messages. Correct the error, shut down the Control-M monitor and start it again.
WKJ442E ERROR WHILE LOADING CTMJOB\CTMMEM FOR CMEM PROCESSING

Explanation: Highlighted, unrollable message.
The CTMJOB or CTMMEM module could not be loaded by the Control-M monitor.
Load for the CTMJOB or CTMMEM module failed for one of the following reasons:

- Insufficient storage.
- The module or modules could not be found in the libraries specified in the STEPLIB DD statement or in the Linklist.

Control-M monitor will not process requests from:

- Control-O
- CMEM subsystem functions
- Control-M DO FORCEJOB

Corrective Action: Correct the error, shut down the Control-M monitor and start it again.

WKJ443E OPEN ERROR OCCURRED DURING CMEM PROCESSING, DSN=dsn

Explanation: The Control-M monitor has encountered an open error while processing CMEM or Control-O requests.
An open error occurred on one of the Control-M communication data sets. Possible causes are:

- An incorrect communication file was defined.
- A security product failed the open request.

Control-M monitor stops processing CMEM or Control-O requests.

Corrective Action: No action is required.
1. Check that CTMPARM points to the correct communication file.
2. Check the communication file dsn, and make sure that it is properly defined, formatted and cataloged.
3. Make sure that no restrictions are imposed by MVS, a security package, and so on.
4. Correct the error, shut down the Control-M monitor and start it again.

WKJ444E I/O ERROR OCCURRED DURING CMEM PROCESSING, DSN=dsn

Explanation: The Control-M monitor has encountered an I/O error while processing CMEM/Control-O requests.
An I/O error occurred on one of the Control-M communication data sets.
Control-M monitor stops processing CMEM/Control-O requests.

Corrective Action: No action is required.
1. Check the communication file dsn, and make sure that it is properly defined and formatted.
2. Check that CTMPARM points to the correct communication file. If the file and CTMPARM appear correct:
   a. Check the MVS LOGREC file for a physical disk error.
   b. Reallocate and reformat the communication file dsn. After correcting the error, stop the Control-M monitor and start it again.

WKJ 445E DYNAMIC ALLOCATION ERROR, RC=rc, REASON CODE=rsn, DSN=dsn

Explanation: The Control-M monitor has encountered a dynamic allocation error while processing CMEM or Control-O requests.

A dynamic allocation error occurred on one of the Control-M communication data sets. Possible reasons for this failure include:
- The communication file dsn is not cataloged on the correct disk.
- The communication file dsn is cataloged in a catalog which cannot be accessed by the Control-M monitor.
- The wrong communication file name, or no communication file name, was specified in IOACPRM.
- The MVS allocation exit failed the allocation request.
- A security product failed the allocation.

For information regarding the return code rc and the reason code rsn, see the IBM manual MVS Programming: Authorized Assembler Services Guide. Reallocate and format or re-catalog the file if necessary.

The Control-M monitor stops processing CMEM or Control-O requests.

Corrective Action: Check the definitions in IOACPRM and correct as necessary. After the error is corrected, stop the Control-M monitor and start it again.

WKJ 446W SYSPLEX TABLE MISSING - SYSTEM LOGGER INTERFACE DISABLED

Explanation: Control-M attempted to read the Sysplex Table and failed.

Control-M could not find the Sysplex Table or encountered errors while reading the Sysplex Table. This could be due to one of the following:
- Sysplex Table not present in the STEPLIB concatenation of load libraries.
- Sysplex Table has an invalid internal format.
- Sysplex Table has no valid, active table entries.

Control-M attempts to allocate, open and use the subsystem-to-monitor (S2M) communication files to implement CMEM-Control-M communication.

Corrective Action: Check why the Sysplex Table is not in the load library or has an invalid format. Correct the problem and recycle Control-M.

WKJ 447E SYSTEM LOGGER REQUEST req FAILED: R15=r15 RETURN=rc REASON=rsn

Explanation: A System Logger request failed.
One of the following System Logger requests failed:

<table>
<thead>
<tr>
<th>Request</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEFCFS, IXGINVNT</td>
<td>(define coupling facility structure)</td>
</tr>
<tr>
<td>DEFLGS, IXGINVNT</td>
<td>(define log stream)</td>
</tr>
<tr>
<td>CONLGS, IXGCONN</td>
<td>(connect to log stream)</td>
</tr>
<tr>
<td>WRI TEL, IXGWRITE</td>
<td>(write a log stream log block)</td>
</tr>
<tr>
<td>BRWSEL, IXGBRWSE</td>
<td>(browse a log stream log block)</td>
</tr>
<tr>
<td>DELET L, IXGDELET</td>
<td>(delete a log stream log block)</td>
</tr>
<tr>
<td>DISLGS, IXGCONN</td>
<td>(disconnect from log stream)</td>
</tr>
<tr>
<td>DELLGS, IXGINVNT</td>
<td>(delete log stream)</td>
</tr>
<tr>
<td>DELCFS, IXGINVNT</td>
<td>(delete coupling facility structure)</td>
</tr>
</tbody>
</table>

R15 is provided by Control-M and is one of the following:

<table>
<thead>
<tr>
<th>R15</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>Minor System Logger request error</td>
</tr>
<tr>
<td>12</td>
<td>Intermediate System Logger request error</td>
</tr>
<tr>
<td>16</td>
<td>Major System Logger request error</td>
</tr>
<tr>
<td>20</td>
<td>Permanent System Logger request error</td>
</tr>
<tr>
<td>24</td>
<td>Internal Control-M error</td>
</tr>
<tr>
<td>28</td>
<td>Operating system does not support System Logger interface</td>
</tr>
<tr>
<td>32</td>
<td>Internal Control-M error</td>
</tr>
</tbody>
</table>

The return code $rc$ and the reason code $rsn$ are documented in the IBM manual *MVS Programming: Assembler Services Reference*. Check that publication for the system action relevant to the return code and reason code in the message. Each System Logger request is in a separate section of the guide. The return and reason codes are described in the topic “Return and Reason Codes” for each System Logger request.

**Corrective Action:** When a System Logger error occurs, check the system log or the console that displays error messages for the IXLOG System Logger address space for further details. If the problem persists, prepare the Control-M monitor full output and contact BMC Customer Support.
WKJ 448W CMEM LOST \( num \) TRANSACTIONS FROM THE CPU WITH SMFID=\( smfid \)

**Explanation:** Control-M was down, or stopped processing CMEM or Control-O requests.

During the time the Control-M monitor was inactive (due to a problem or daily maintenance), the CMEM subsystem functions or Control-O wrote to the Communication files more records than size allowed. Therefore the oldest CMEM or Control-O requests were overwritten and lost.

No additional action is performed.

**Corrective Action:** To prevent this situation from recurring, do one of the following:
- Make sure that the Control-M monitor will not remain inactive for a long time.
- Increase the size of the Communication files.

WKJ 449E MISSING TABLE \( tableName \) IN \( lib \)

**Explanation:** Table \( tableName \) was not found in the library \( lib \), or the table was empty.

A FORCEJOB request for a scheduling table or a specific job failed.

This message is followed by message WKJ A59E, which contains more details about the error.

This message may also be issued in the following situations:
- the library in which the member resides is being compressed
- the disk volume on which the library resides on is being reorganized or defragmented

These actions should be avoided during job ordering periods.

No additional action will be taken for the failed job or table order.

**Corrective Action:** Check that the table exists in the indicated library. Refer to message WKJ A59E for further actions.

WKJ 44AI SYSTEM LOGGER INTERFACE ACTIVATED

**Explanation:** This information message indicates that Control-M has successfully initialized the System Logger interface. Control-M can now begin communicating with CMEM.

**Corrective Action:** No action is required.

WKJ 44BE SYSTEM LOGGER NOT SUPPORTED ON THIS OPERATING SYSTEM

**Explanation:** Control-M cannot utilize the System Logger interface on the host operating system.

The host operating system does not support the System Logger interface.

The CMEM facility is deactivated.

**Corrective Action:** Change the parameters in the appropriate IOA PARM library members to use the Subsystem-to-Monitor (S2M) communication files to implement communication between CMEM or Control-O and Control-M.
WKJ 44CI ATTEMPTING TO RECONNECT TO MVS SYSTEM LOGGER

**Explanation:** Control-M has detected an MVS System Logger error, and is attempting to reconnect to the MVS System Logger.

Control-M tries several times to reconnect to the MVS System Logger.

**Corrective Action:** No action is required.

WKJ 44DE ATTEMPT TO RECONNECT TO MVS SYSTEM LOGGER FAILED

**Explanation:** Control-M detected an MVS System Logger error, and attempted several times to reconnect to the MVS System Logger, without success.

**Corrective Action:** No action is required.

WKJ 44EE MVS SYSTEM LOGGER ERROR - CMEM FEATURE DISABLED

**Explanation:** Control-M detected an MVS System Logger error. Either this error was so severe as not to be recoverable, or Control-M attempted several times to reconnect to the MVS System Logger, without success.

Control-M has stopped attempting to reconnect to the MVS System Logger. The CMEM facility is deactivated.

**Corrective Action:** If and when the MVS System Logger becomes operational, stop and restart the Control-M monitor.

WKJ 44FI TRIGGER JOB jobName (jobId) FOUND ON AJF. JOB NOT FORCED

**Explanation:** This information message refers to a Control-O or CMEM ON JOBARRIV or ON JOBEND rule with a DO FORCEJOB command. The job used to trigger this DO FORCEJOB was found on the Active Jobs file.

Control-M does not order and submit the DO FORCEJOB.

**Corrective Action:** No action is required.

WKJ 44GA REPLY "ABORT", "CONTINUE", OR "RETRY"

**Explanation:** After displaying a CMEM-related error message, Control-M disables communication between CMEM or the Control-O monitor and Control-M. Control-M then displays message CTM44GA giving the user the choice of how to continue.

The subtask is suspended until a response to this message is received.

**Corrective Action:** Enter one of the following responses:

- ABORT - terminate the Control-M monitor
- CONTINUE - disable communication between CMEM or the Control-O monitor and Control-M, but allow the Control-M monitor to continue processing
- RETRY - retry the failed dynamic allocation request
Messages WKJ A00 through WKJ Axx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

WKJ A56E MEMBER memName READ ERROR RC=rc IN dsn

**Explanation:** While processing a Control-M DO FORCEJOB, CMEM or Control-O request, the Control-M monitor encountered an error while reading table *memName* in data set *dsn*.

This message is followed by additional messages which identify the failed action.

No additional action will be taken for the failed job or table order.

**Corrective Action:** For a description of return code *rc*, see the DOCIMEM member in the IOA DOC library.

WKJ A57E MEMBER memName IS EMPTY IN dsn

**Explanation:** While processing CMEM or Control-O request, the Control-M monitor encountered an empty table *memName* in data set *dsn*.

This message is followed by message WKJ A59E which identifies the failed action.

No additional action will be taken for the failed job or table order.

**Corrective Action:** Make sure that table *memName* contains valid scheduling information.

WKJ A58E ABEND abCode WHILE PROCESSING dsn

**Explanation:** While processing a CMEM/Control-O request for data set *dsn*, the Control-M monitor encountered an abend condition *abCode*.

This message is followed by message WKJ A59E which identifies the failed action.

No additional action will be taken for the failed job/table order.

**Corrective Action:** Record the abend code, prepare the Control-M monitor full output, and contact BMC Customer Support.

WKJ A59E FORCEJOB FAILED FOR JOB jobName IN TABLE tableName FROM dsn

**Explanation:** An error occurred while processing a FORCEJOB request for the *jobName* job, or, in the case where *jobName* is blank, for the complete scheduling table *tableName*.

The source of the request may be:

- a Control-O request for a DO FORCEJOB.
- a Control-M request for a DO FORCEJOB.
- a CMEM FORCEJOB action.

This message is preceded by another message, which gives more details of the cause of the error.
Control-M may try again to execute the job or table, depending on the values set for the FORCE#RT and FORCE#WI installation parameters. For more information, see the customization chapter of the INCONTROL for z/OS Installation Guide.

**Corrective Action:** Correct the error as detailed in the preceding message. If scheduling is still required for the job or table for which the error occurred, then the job or table should be ordered manually. If the specification in the original request was incorrect, correct it and reload, if necessary. Reload the CMEM table or reorder the Control-O rule.

**WKJ A5AE** ANOTHER MONITOR ALREADY READING FROM LOG STREAM

**STR=**structureName **L/S=logStreamName**

**Explanation:** This error message is issued when an attempt is made to read an MVS System Logger log stream which is currently being read by another Control-M monitor. To avoid a loop of FORCEJOB jobs, the same MVS System Logger log stream should not be read simultaneously by more than one Control-M monitor. Should a second Control-M monitor attempt to read the same log stream, this error message is issued. The CMEM facility is deactivated for this Control-M monitor.

**Corrective Action:** If and when the other Control-M monitor terminates, this monitor can be restarted. Make sure only one Control-M monitor is reading the same MVS System Logger log stream simultaneously.

**WKJ A5BE** FREEMAIN (storage_add /len) FAILED AT POINT ref_point

**Explanation:** A Control-M component attempted to free a block of working storage, but failed to do so. The source of the DO FORCEJOB request may be any of the following:

- storage_add - the working storage address
- len - the length of the working storage
- ref_point - the reference point in the Control-M component

No additional action is performed.

**Corrective Action:** If this is a recurring problem, prepare the Control-M monitor full output and contact BMC Customer Support. If ignored, this may cause severe insufficient storage problems.
WKJ A5DI FORCEJOB SUCCEEDED AFTER RETRIES FOR JOB jobName IN TABLE tableName FROM dsn

Explanation: After failing to execute a DO FORCEJOB request because a scheduling table was in use, Control-M retried the request and succeeded in executing it, in accordance with the values set for the FORCE#RT and FORCE#WI installation parameters.

The source of the DO FORCEJOB request was one of the following:

- a Control-O request for a DO FORCEJOB
- a Control-M request for a DO FORCEJOB
- a CMEM DO FORCEJOB action

Corrective Action: No action is required.

WKJ A5EI CONTROL-M WILL RETRY PROCESSING DATASET TRIGGER: trigger_dsn

Explanation: During the processing of a CONNECT DIRECT request, no successfully triggered events were processed, and a data set-in-use condition occurred.

The probable source of the CONNECT DIRECT request is the IOADCC utility.

Control-M queues the DO FORCEJOB request, and will try again to execute it, in accordance with the values set for the FORCE#RT and FORCE#WI installation parameters.

For more information on the FORCE#RT and FORCE#WI installation parameters, see the customization chapter of the INCONTROL for z/OS Installation Guide.

Corrective Action: No action is required.

WKJ A5FE SCHEDULE LIBRARY schedLib IS MIGRATED

Explanation: A DO FORCEJOB command was issued for a table in the schedLib scheduling library, which has been migrated. An attempt was made to RECALL the library. An additional message follows describing whether the RECALL action was successful or not.

Corrective Action: Look for the following messages, which inform about the success of the RECALL action.
WKJ A5GE RECALL OF LIBRARY schedLib FAILED RC rc REASON rsn

Explanation: A DO FORCEJOB command was issued for a table in the schedLib scheduling library, but the action could not be completed because the library, which was migrated, could not be recalled.

Corrective Action: Do the following:

- Ensure that the RECLRQST parameter is set (in the CTMPARM member of the IOA PARM library).
- Check the rc and rsn codes in the section about the IOAMEM assembler macro in the INCONTROL for z/OS Administrator Guide, and take the appropriate action.

WKJ A5HI SCHEDULE LIBRARY schedLib HAS BEEN RECALLED

Explanation: This information message indicates that a DO FORCEJOB command was issued for a table in the schedLib scheduling library. To complete this action, the library, which was migrated, has been RECALLed.

Corrective Action: No action is required.

WKJ A5IE CONTROL-M WILL NO LONGER RETRY THE REQUEST

Explanation: When a schedule table is not available because the data set is in use by another address space, Control-M retries the request several times based on the FORCE#RT parameter in CTMPARM. When this number of retries is exhausted and Control-M no longer retries the request, this message is displayed.

Corrective Action: Determine why the data set is in use and retry the request manually. Messages CTMC53E and CTMA59E give details about the job name, table name, and schedule library name.

WKJ A5JE POST ERROR NOTIFICATION STAGE stage FAILED

Explanation: A DO FORCEJOB action triggered by this job failed. An attempt to specify the post-error indication in the job image failed.

Corrective Action: Do the following:

- Locate the failed DO FORCEJOB command and manually order the job.
- Notify BMC Software Customer Support about the error. The stage specified in the message is required for BMC error analysis.

Messages WKJ C00 through WKJ Cxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

WKJ C39E action FAILED FOR cond

Explanation: An error occurred while processing a request to add or delete the condition.

The source of the request may be:
WKJC50E INSUFFICIENT STORAGE FOR CMEM PROCESSING

Explanation: Highlighted, unrollable message.

Insufficient storage for CMEM processing initialization in the Control-M monitor.
The Control-M monitor stops processing CMEM/Control-O requests.

Corrective Action: Increase the REGION size specified for the Control-M monitor.

WKJC50W Control-M MONITOR CMEM FACILITY IS NOT INSTALLED

Explanation: Control-M has determined that the CMEM facility is not installed.

Communication between CMEM or the Control-O monitor and Control-M is not established, but the
Control-M monitor continues processing.

Corrective Action: No action is required.

WKJC51E INSUFFICIENT STORAGE FOR TABLE tableName FROM lib

Explanation: Insufficient storage for loading table tableName into storage.

This message is followed by message WKJA59E, which contains more details about the error.
Job order fails. No additional action taken.

Corrective Action: Increase the REGION size specified for the Control-M monitor; or define a smaller
table if possible, for example, if only one job is ordered from the table. For further actions, see message
WKJA59E.

WKJC52E DATASET IS NOT A LIBRARY, DSN=dsn

Explanation: While processing a CMEM/Control-O request, the Control-M monitor encountered a data
set dsn which is not a partitioned data set.

This message is followed by message WKJA59E or WKJC39E which identifies the failed action.
No additional action will be taken for the failed job or table order.

Corrective Action: Specify the name of a partitioned data set containing one or more valid scheduling
tables.
WKJC53E DATASET IN USE, DSN=dsn

Explanation: While processing a CMEM/Control-O request, the Control-M monitor encountered a data set dsn which is currently used by another job.

This message is followed by message WKJA59E which identifies the failed action.

No additional action will be taken for the failed job/table order.

Corrective Action: Determine which job has allocated the data set with disposition OLD and resolve the conflict.

WKJC54E DATASET IS NOT CATALOGED, DSN=dsn

Explanation: While processing a Control-M DO FORCEJOB, CMEM or Control-O request, the Control-M monitor encountered a data set dsn which is not cataloged.

This message is followed by additional messages which identify the failed action.

No additional action will be taken for the failed job/table order.

Corrective Action: Make sure that the SCHLIB library specified in the CMEM table entry refers to a cataloged data set.

WKJC55E DYNAMIC ALLOCATION ERROR, DSN=dsn

Explanation: While processing a CMEM or Control-O request, the Control-M monitor encountered a dynamic allocation error.

This message is followed by message WKJA59E which identifies the failed action.

No additional action will be taken for the failed job or table order.

Corrective Action: Record the problem, prepare the Control-M monitor full output, and contact BMC Customer Support.

WKJC56E M2S FILE IS FOR QNAME qName. IT DOES NOT MATCH IOA QNAME qName DSN=dsn

Explanation: Control-M could not allocate the monitor to the Monitor to Subsystem (M2S) file of another IOA environment.

During initialization the Control-M monitor compares the QNAME in the IOA environment with the QNAME in the M2S file. They should match.

Message CTM441E is issued.

Corrective Action: Check the IOACPRM member and do one of the following:
If it points to the wrong file, correct the name, compile the member and start a new monitor.

If there is no problem in the IOACPRM member, the M2S file was created in a different IOA environment. Delete the file and create a new M2S file using the correct IOA environment.

**WKJC57E** S2M FILE IS FOR SMFID *smfid* QNAME *qName*. IT DOES NOT MATCH IOA QNAME *qName* DSN=dsn

**Explanation:** The Control-M monitor could not allocate the subsystem to the Subsystem to Monitor (S2M) file of another IOA environment.

During initialization the Control-M monitor compares the qname in the IOA environment with the qname in the S2M file. They should match.

Message CTM441E is issued.

**Corrective Action:** Check the CTMPARM member and do one of the following:

- If it points to the wrong file, correct the name, compile the member and start a new monitor.
- If there is no problem in the CTMPARM member, the S2M file was created in a different IOA environment. Delete the file and create a new S2M file using the correct IOA environment (IOAPARM).

**WKJC58I** M2S FILE FOR IOA QNAME *qName*. DSN=dsn

**Explanation:** This information message identifies the Monitor-to-Subsystem (M2S) file that the Control-M monitor allocated for communication with the Control-O or the CMEM monitor.

*qName* is defined in the M2S file with the data set name *dsn*.

**Corrective Action:** No action is required.

**WKJC59I** S2M FILE FOR SMFID *smfid* QNAME *qName* DSN=dsn

**Explanation:** This information message identifies the Subsystem-to-Monitor (S2M) file that the Control-M monitor allocated for communication with the Control-O or the CMEM monitor.

*qName* is defined in the S2M file with the data set name *dsn*.

**Corrective Action:** No action is required.

**WKJC5AE** SMFID *smfid* NOT FOUND IN M2S DSN=dsn

**Explanation:** The SMFID is not in the Monitor-to-Subsystem (M2S) file.

During initialization the Control-M monitor checks that every SMFID required for CMEM functions is defined in the M2S file.

Message Control-M issues the CTM441E message and CMEM functions becomes inactive.

**Corrective Action:** Add the missing SMFID to the M2S file, and restart the Control-M monitor.

For more information on adding the SMFID to the M2S file, see the section on reformatting communication files for only one SMFID in the INCONTROL for z/OS Installation Guide.
WKJ C5BE INVALID BLOCK SIZE FOR FILE TYPE type

Explanation: The record length of the communication file between Control-M and CMEM was incorrect. The record size for the file was defined incorrectly. As a result, no records are written to the file.

The file type is either M2S or S2M:

- For an M2S file, the correct record length is 1000 decimal.
- For an S2M file, the correct record length is 80 decimal.

Job processing continues, but CMEM processing is ignored.

Corrective Action: Reformat the file with the correct record size.

WLM messages

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

Messages WLMW00 through WLMWxx

This group includes messages for the Control-M for z/OS, Control-M/Assist, Control-M/Links for z/OS, and Control-M/Restart products.

WLMW00E INVALID PARAMETER PASSED TO CTMWLM; WLM SRVCLASS REQUEST ABORTED

Explanation: CTMWLM, the Control-M workload management service class processing module, received an incomplete or incorrect parameter list.

The specific service class request is aborted.

Corrective Action: Prepare the Control-M monitor full output and contact BMC Customer Support.

WLMW01E IOAMEM GETMEM ERROR. RETURN=rc REASON=rsn

Explanation: CTMWLM, the Control-M workload management service class processing module, was unable to read the WLMSCTBL table in the CTM PARM library.

The specific service class request is aborted.

Corrective Action: Note the values of rc and rsn, prepare the Control-M monitor full output, and contact BMC Customer Support.

WLMW02E GETMAIN FOR INTERNAL TABLE FAILED. LEN=len R15=r15

Explanation: CTMWLM, the Control-M workload management service class processing module, was unable to acquire enough storage to build the internal table which represents the WLMSCTBL table in the CTM PARM library.

The specific service class request is aborted.
**Corrective Action:** Note the values of `len` and `r15`, prepare the Control-M monitor full output, and contact BMC Customer Support.

WLMW03E FREEMAIN OF OLD INTERNAL TABLE FAILED. LEN=\(\text{len}\) PTR=\(\text{ptr}\)

**Explanation:** CTMWLM, the Control-M workload management service class processing module, was unable to free previously-acquired storage.

**Corrective Action:** Note the values of `len` and `ptr`, prepare the Control-M monitor full output, and contact BMC Customer Support.

WLMW04I WLM SRVCLASS TABLE {LOADED | RELOADED} SUCCESSFULLY WITH \(\text{num}\) ENTRIES

**Explanation:** CTMWLM, the Control-M workload management service class processing module, successfully loaded or reloaded the WLMSCTBL table from the CTM PARM library.

**Corrective Action:** No action is required.

WLMW05W INTERNAL WLM SRVCLASS TABLE HAS NO VALID ENTRIES

**Explanation:** CTMWLM, the Control-M workload management service class processing module, successfully loaded or reloaded the WLMSCTBL table from the CTM PARM library but found no valid entries.

All subsequent service class requests are effectively ignored.

**Corrective Action:** Correct or add entries to the WLMSCTBL table in the CTM PARM library.

WLMW06E ENTRY \(\text{rec}\) PARSING ERROR: \(\text{jobNameapplNamefromTime toTime}\)

**Explanation:** CTMWLM, the Control-M workload management service class processing module, detected a parsing error in this entry in the WLMSCTBL table in the CTM PARM library.

The variables in this message are:

- \(\text{rec}\) - the record number
- \(\text{jobName}\) - the name of the job in the WLMSCTBL table entry
- \(\text{applName}\) - the name of the application in the WLMSCTBL table entry
- \(\text{fromTime}\) - the start time of the range
- \(\text{toTime}\) - the end time of the range

The table entry is ignored.

**Corrective Action:** Correct the entry in the WLMSCTBL table in the CTM PARM library.
WLMW07I  {COMMAND | MACRO} ISSUED TO RESET JOB TO SRVCLASS servClass

Explanation: CTMWLM, the Control-M workload management service class processing module, attempted to reset the service class of the job to servClass.

Corrective Action: No action is required.

WLMW08E IWMRESET MACRO ERROR. SRVCLASS=servClass RETURN=rc REASON=rsn

Explanation: CTMWLM, the Control-M workload management service class processing module, attempted to reset the service class of the job to servClass but failed.

The specific service class request is unsuccessful.

Corrective Action: For information about the return and reason codes, see the explanation of IWMRESET in the IBM manual MVS Programming: Workload Management Services.

WTO messages

This group includes messages for the Control-O product.

Messages WTO200 through WTO2xx

This group includes messages for the Control-O product.

WTO280E ERROR EXECUTING DO stmt_type

Explanation: An error occurred while executing the indicated type of DO statement. The DO action fails.

Corrective Action: Correct the DO statement in the rule.

WTO282I text (usr)

Explanation: This information message indicates that a user message was activated by the SHOUT Facility. user is the user ID of the job order requesting the SHOUT statement.

Corrective Action: No action is required.

WTO283E AUTOEDIT FAILED, RC=rc, REASON=rsn. PROCESSING OF THIS RULE IS ABORTED

Explanation: An AutoEdit symbol within a DO statement in a Control-O rule definition could not be resolved.
DO statements within a rule definition are processed sequentially. If AutoEdit resolution of a symbol with a DO statement fails, the DO statement, and any subsequent DO statements within the rule definition, are cancelled. This default processing can be overridden by using the %%%RESOLVE NO control statement in a previous DO SET statement. The statement will be resolved as far as possible before performing the DO statements.

The DO action in which the AutoEdit resolution failed, and any subsequent DO actions, are cancelled.

**Corrective Action:** Check the return code ($rc$) and reason code ($rsn$) in the following tables to determine the reason for the failure. Correct the symbol in the rule definition, and reorder the table. If the return code or reason code is not listed, the error is an internal error, and you should notify BMC Software Customer Support. (HIDDEN TEXT - same as API565E, CTO565E, XAM565E, and table used elsewhere also, inc. CTO145S, MTO145S)

<table>
<thead>
<tr>
<th>Return Code ( $rc$ )</th>
<th>Reason Code ( $rsn$ )</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td></td>
<td>GETMAIN or FREEMAIN error</td>
</tr>
<tr>
<td>1 through 6</td>
<td></td>
<td>GETMAIN failure</td>
</tr>
<tr>
<td>7 through 10</td>
<td></td>
<td>FREEMAIN failure</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Variable not found</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Variable not found and RESOLVE flag is on.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>%%$COMMSYS value length error.</td>
</tr>
<tr>
<td>68</td>
<td></td>
<td>%%$TIMEINT first argument is not a valid date.</td>
</tr>
<tr>
<td>69</td>
<td></td>
<td>%%$TIMEINT second argument is not a valid date.</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>%%$X2C argument length is greater than 4.</td>
</tr>
<tr>
<td>88</td>
<td></td>
<td>%%$DOLIMIT first argument is not numeric.</td>
</tr>
<tr>
<td>89</td>
<td></td>
<td>%%$RULE functions argument is out of rule stack.</td>
</tr>
<tr>
<td>90</td>
<td></td>
<td>%%$RULE functions argument is not numeric.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Global variable pool not found.</td>
</tr>
<tr>
<td>980</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>----------------------</td>
<td>-----------------------------------------------------------------</td>
</tr>
<tr>
<td>982</td>
<td></td>
<td>Internal error - global pool or database not found</td>
</tr>
<tr>
<td>983</td>
<td></td>
<td>$GLOBAL POOL NOT FOUND</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Syntax error or general error</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Empty SET command.</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Empty IF command.</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>%%% not found in SET command.</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td>Separator not found after %%%.</td>
</tr>
<tr>
<td>23</td>
<td></td>
<td>‘==’ not found in SET command.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>%%%$TIMEOUT value not numeric.</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - invalid parentheses.</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>%%%$RESPMSG or %%%$TIMEOUT - too many values.</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>%%%$WAITKSL or %%%$TSO or %%%$CMD - invalid value (not YES/NO).</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>%%%$TIMEOUT - value too large.</td>
</tr>
<tr>
<td>29</td>
<td></td>
<td>%%%$STATID value length error.</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>%%%$AUTOLOG value length error.</td>
</tr>
<tr>
<td>37</td>
<td></td>
<td>%%%$AUTOSYS value length error.</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Function arguments not separated.</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Too few function arguments.</td>
</tr>
<tr>
<td>45</td>
<td></td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%%$CTMLINE# to a non-numeric value.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>46</td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%%$CTMLINE# to a value greater than %%%$CTMLINES.</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>CTMLINE# &lt; 0 when trying to set %%%$CTMLINE# to a value less than 0.</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>%%%$SUBSTR 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>%%%$SUBSTR 3rd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>%%%$SUBSTR 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>%%%$SUBSTR 3rd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>%%%$RESOLVE argument not recognized.</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE 1st argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE 1st argument out of range.</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE is too narrow.</td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE 1st argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE 2nd argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT 1st argument is not 11 digits in length.</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT 1st argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT 2nd argument is not 11 digits.</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT 2nd argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>More than one operator in one line.</td>
<td></td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>72</td>
<td></td>
<td>Less than two operands for an operator.</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>More than two operands for an operator.</td>
</tr>
<tr>
<td>75</td>
<td>%%%$D2X argument length is greater than 10.</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>%%%$D2X argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td>%%%$D2X argument number is greater than 2147483647 (2G).</td>
<td></td>
</tr>
<tr>
<td>78</td>
<td>%%%$X2D argument length is greater than 8.</td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>%%%$X2D argument has an invalid character.</td>
<td></td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>First operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Second operand in arithmetic operation is not numeric.</td>
</tr>
<tr>
<td>83</td>
<td>%%%$DIV 2nd operand is 0.</td>
<td></td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G.</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G.</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of %%%$PLUS case overflow.</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of %%%$MINUS case overflow.</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric.</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>--------------------</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%%GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Errors reading the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Errors writing the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>Return Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Program buffers shortage</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Not enough space in RSL buffer.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Arguments too long (ARG buffer overflow).</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program errors</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>No last non-blank for non-blank value in SET command.</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%$IPLDATE for date formatting WO0816*.</td>
</tr>
<tr>
<td>36, 40, and 44</td>
<td></td>
<td>Global variables errors</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>Return Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range.</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Parse errors</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid type.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Place holder error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Position specification too long.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Non numeric.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Position null.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Section vector overflow.</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Variable buffer overflow.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
</tbody>
</table>
WTO284E AUTOEDIT FAILED FOR TEXT: *text*

**Explanation:** During rule processing, Control-O failed to resolve an AutoEdit variable, either because of a syntax error or because the AutoEdit variable was not found. This message is usually followed by message WTO283E, which explains the reason for the error. The rule is aborted.

**Corrective Action:** Check message WTO283E to determine why the AutoEdit variable did not resolve, and correct the problem accordingly.

WTO285W RULE *rule* REACHED THRESHOLD *num* SUSPENDED, TABLE *table* LIB *library*

**Explanation:** The rule identified in the message was suspended because it reached the rule threshold limit.

The rule threshold limit determines the maximum number of times a rule may be triggered. This limit is defined in one of the following ways:

- in the THRSHOLD parameter in the CONTROL section of the CTOPARM member in the IOA PARM library
- in the THRSHOLD field of the rule

The rule is suspended.

**Corrective Action:** Determine why the rule reached the limit, and if there is a problem correct it. Adjust the threshold limit value, if necessary, or use the Rule Status screen to release the rule from its SUSPEND state.

WTO287E DO WAIT INVALID IN COMMAND RESPONSE MODE

**Explanation:** A DO WAIT statement was encountered while in Command-Response mode. A DO WAIT statement is invalid when a rule is executing a DO COMMAND in the Command-Response mode. The rule is aborted or ignored.

**Corrective Action:** Correct the rule so that it does not encounter a DO WAIT statement when in Command-Response mode.

WTO288E MAXIMUM NUMBER OF ‘DO’ STATEMENTS EXCEEDED

**Explanation:** A rule executed more than 10,000 DO statements. This message is followed by another message containing the name of the problematic rule. In order to avoid an infinite loop, only a limited number of DO statements can be executed. The default setting for this limit is 10,000. You can override this default by setting %DOLIMIT to a higher value. The rule is aborted.

**Corrective Action:** Either correct the rule to perform less than 10,000 DO statements, or set %DOLIMIT to a higher value.
WTO289E GLOBAL DATE IS NOT SUPPORTED FOR ADD CONDITION REQUESTS

Explanation: The dateref field in the DO COND statement contains wildcard symbols ($$$ or ****).
The rule is aborted or ignored.

Corrective Action: Specify a distinct date in the dateref field.

WTO28AE MAXIMUM NUMBER OF NESTED RULES EXCEEDED

Explanation: The maximum number of nested rules executed in response to a DO RULE statement has been exceeded. Rules can be nested up to 20 deep.
The rule at the twenty-first level is aborted or ignored.

Corrective Action: Correct the logic so that there are no more than 20 nesting levels for rules.

WTO28BE INVOKED RULE NOT FOUND

Explanation: The rule invoked using a DO RULE statement was not found in the specified, or default, table.
The rule is aborted or ignored.

Corrective Action: Correct the DO RULE statement to contain a rule defined in the specified or default table, or define the rule in the specified table.

WTO28CW RULE IS IN "WAIT ACTIVATION" STATUS. "DO RULE" IS IGNORED

Explanation: A rule invoked another rule by using the DO RULE statement did not satisfy the Runtime Scheduling criteria.
Processing continues. The invoked rule is ignored.

Corrective Action: If this is not intentional, correct the invoked rule definition so that it satisfies the Runtime Scheduling criteria.

WTO28DE RULE=rulename ABORTED. TABLE=tableName LIBRARY=dsn

Explanation: A rule aborted because of an error. This message is preceded by another message that describes the cause of the error.
The rule is aborted at the point of error.

Corrective Action: Correct the error according to the preceding message.

WTO28EW RULE=rulename IGNORED. TABLE=tableName LIBRARY=dsn

Explanation: This warning message indicates that a problem occurred when processing a rule. This message is preceded by another message that describes the problem.
The rule is ignored. Processing continues.

Corrective Action: Correct the problem according to the preceding message.
WTO28FE {CTOCON | CONVCON} R15 rc

Explanation: A nonzero return code was received from a called program or routine. During execution, detection of a nonzero return code caused this message to be issued.

Execution of the rule terminates

Corrective Action: Send a screen print of the rule and the a trace of its execution to BMC Software Customer Support.

WTO2A1E NO FREE WAIT ELEMENT AVAILABLE

Explanation: A rule that was required to wait could not, because no Wait element was available for it. A rule requires a Wait element to wait. In this case, the maximum number of Wait elements defined in the WAITPR# parameter of CTOPARM was already being used.

The rule is aborted.

Corrective Action: Adjust the WAITPR# and NUMCONS parameters in CTOPARM according to the instructions in the Control-O chapter of the INCONTROL for z/OS Installation Guide.

WTO2A2E WAIT ELEMENT IS TOO SMALL

Explanation: A rule that was required to wait could not, because the Wait element was too small. A waiting rule stores its data in a Wait element. In this case, the Wait element is not large enough to store the rule data.

Rule is aborted.

Corrective Action: Either split the rule into two rules, or use less AUTOEDIT variables in it. When splitting the rule, do not define the second rule as an ON RULE, because it will use the same Wait element as the first rule.

XAM messages

This group includes messages for the Control-O product.

Messages XAM500 through XAM5xx

This group includes messages for the Control-O product.

XAM561E REQUESTED FUNCTION NOT SUPPORTED

Explanation: The requested function is not in the list of supported XAM functions.

The XAM interface returns a return code of 08 to the calling routine. The final System Action depends on the calling environment.

Corrective Action: Check the syntax and spelling of the requested function. If necessary, contact your INCONTROL administrator.
XAM562E INTERNAL RESOURCES EXHAUSTED

Explanation: The space in an internal table is exhausted. The XAM interface keeps an internal table of all XAM activities in the address space. The table can contain a maximum 256 concurrent TCBs requesting XAM services. There is no address space for a new XAM user.

Some TSO, REXX, or CLISTs running in the address space probably did not execute the TERM(inate) function, which releases the acquired XAM resources.

The XAM interface returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

Corrective Action: Determine why there is insufficient space, and correct the problem accordingly.

XAM563E IOA SUBSYSTEM subsys INACTIVE. INTERFACE CANNOT BE USED

Explanation: A request has been received through the XAM interface that needs the Control-O monitor, but Control-O is not active.

The requested activity is aborted.

Corrective Action: Check why Control-O is not active. Once the Control-O monitor is active again, re-issue the request.

XAM564E CTO ENVIRONMENT NOT PROPERLY INITIALIZED

Explanation: The XAM interface did not find the control blocks belonging to the calling routine. Every requester of XAM services uses a set of control blocks to provide the necessary AutoEdit Environment. The XAM interface did not find the blocks belonging to this requester.

The XAM interface returns a return code of 16 to the calling routine. The final system action depends on the calling environment.

Corrective Action: Execute the INIT function of XAM under the current requester.

XAM565E SETOLOC/SETOGLB ERROR CODE = rc REASON = rsn, TEXT=text

Explanation: XAM is unable to execute the AutoEdit request. XAM detected an error while trying to resolve or set an AutoEdit expression.

The XAM interface returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

Corrective Action: Ensure that the AutoEdit expression in the SETOLOC, SETOGLB or RESOLVE functions is correctly written.

The following table shows possible values for the error code (rc) and reason code (rsn), with the explanation of each:

<table>
<thead>
<tr>
<th>Error Code (rc)</th>
<th>Reason Code (rsn)</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>GETMAIN or FREEMAIN error</td>
<td></td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1 through 6</td>
<td></td>
<td>GETMAIN failure</td>
</tr>
<tr>
<td>7 through 10</td>
<td></td>
<td>FREEMAIN failure</td>
</tr>
<tr>
<td>08</td>
<td>08</td>
<td>Variable not found</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Variable not found and RESOLVE flag is on.</td>
</tr>
<tr>
<td>36</td>
<td>36</td>
<td>%%%$COMMSYS value length error.</td>
</tr>
<tr>
<td>68</td>
<td>68</td>
<td>%%%$TIMEINT first argument is not a valid date.</td>
</tr>
<tr>
<td>69</td>
<td>69</td>
<td>%%%$TIMEINT second argument is not a valid date.</td>
</tr>
<tr>
<td>74</td>
<td>74</td>
<td>%%%$X2C argument length is greater than 4.</td>
</tr>
<tr>
<td>88</td>
<td>88</td>
<td>%%%$DOLUMIT first argument is not numeric.</td>
</tr>
<tr>
<td>89</td>
<td>89</td>
<td>%%%$RULE functions argument is out of rule stack.</td>
</tr>
<tr>
<td>90</td>
<td>90</td>
<td>%%%$RULE functions argument is not numeric.</td>
</tr>
<tr>
<td>98</td>
<td>98</td>
<td>Global variable pool not found.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Syntax error or general error</td>
</tr>
<tr>
<td>11</td>
<td>11</td>
<td>Empty SET command.</td>
</tr>
<tr>
<td>15</td>
<td>15</td>
<td>Empty IF command.</td>
</tr>
<tr>
<td>21</td>
<td>21</td>
<td>%%% not found in SET command.</td>
</tr>
<tr>
<td>22</td>
<td>22</td>
<td>Separator not found after %%.</td>
</tr>
<tr>
<td>23</td>
<td>23</td>
<td>'==' not found in SET command.</td>
</tr>
<tr>
<td>24</td>
<td>24</td>
<td>%%%$TIMEOUT value not numeric.</td>
</tr>
<tr>
<td>25</td>
<td>25</td>
<td>%%%$RESPMSG or %%%$TIMEOUT - invalid parentheses.</td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>26</td>
<td>%%%$RESPMSG or %%%$TIMEOUT - too many values.</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>%%%$WAITKSL or %%%$TSO or %%%$CMD - invalid value (not YES/NO).</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>%%%$TIMEOUT - value too large.</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>%%%$STATID value length error.</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>%%%$AUTOLOG value length error.</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>%%%$AUTOSYS value length error.</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>Function arguments not separated.</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>Too few function arguments.</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>CTMLINE# PARAMETER NOT NUMERIC when trying to set %%%$CTMLINE# to a non-numeric value.</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>CTMLINE# &gt; CTMLINES when trying to set %%%$CTMLINE# to a value greater than %%%$CTMLINES.</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>CTMLINE# &lt; 0 when trying to set %%%$CTMLINE# to a value less than 0.</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>%%%$SUBSTR 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>%%%$SUBSTR 3rd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>%%%$SUBSTR 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>%%%$SUBSTR 3rd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>%%%$RESOLVE argument not recognized.</td>
<td></td>
</tr>
<tr>
<td>57</td>
<td>%%%$RANGE 1st argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>%%%$RANGE 2nd argument not numeric.</td>
<td></td>
</tr>
<tr>
<td>59</td>
<td>%%%$RANGE 1st argument out of range.</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>%%%$RANGE 2nd argument out of range.</td>
<td></td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>61</td>
<td>%%%$RANGE is too narrow.</td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>%%%$CALCDATE 1st argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>63</td>
<td>%%%$CALCDATE 2nd argument not in valid format.</td>
<td></td>
</tr>
<tr>
<td>64</td>
<td>%%%$TIMEINT 1st argument is not 11 digits in length.</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>%%%$TIMEINT 1st argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>%%%$TIMEINT 2nd argument is not 11 digits.</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>%%%$TIMEINT 2nd argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>71</td>
<td>More than one operator in one line.</td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>Less than two operands for an operator.</td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>More than two operands for an operator.</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>%%%$D2X argument length is greater than 10.</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>%%%$D2X argument is not numeric.</td>
<td></td>
</tr>
<tr>
<td>77</td>
<td>%%%$D2X argument number is greater than 2147483647 (2G).</td>
<td></td>
</tr>
<tr>
<td>78</td>
<td>%%%$X2D argument length is greater than 8.</td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>%%%$X2D argument has an invalid character.</td>
<td></td>
</tr>
<tr>
<td>81</td>
<td>First operand in arithmetic operation is not numeric.</td>
<td></td>
</tr>
<tr>
<td>82</td>
<td>Second operand in arithmetic operation is not numeric.</td>
<td></td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>83</td>
<td></td>
<td>%%$$DIV 2nd operand is 0.</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>First operand is greater than 2G.</td>
</tr>
<tr>
<td>85</td>
<td></td>
<td>Second operand is greater than 2G.</td>
</tr>
<tr>
<td>86</td>
<td></td>
<td>Result of %%$$PLUS case overflow.</td>
</tr>
<tr>
<td>87</td>
<td></td>
<td>Result of %%$$MINUS case overflow.</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Logical operand not numeric.</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>Numeric logical operand out of range.</td>
</tr>
<tr>
<td>93</td>
<td></td>
<td>Invalid logical operator.</td>
</tr>
<tr>
<td>94</td>
<td></td>
<td>Logical atomic expression expected but not found.</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Unbalanced parentheses in logical expression.</td>
</tr>
<tr>
<td>96</td>
<td></td>
<td>Too many nested parentheses in logical expression.</td>
</tr>
<tr>
<td>97</td>
<td></td>
<td>Unbalanced quotes.</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>%%$$GLOBAL value length error.</td>
</tr>
<tr>
<td>16</td>
<td>Errors reading the global member</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Errors writing the global member</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Insufficient memory.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Member not found.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>DSN is not a library.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>DSN is not fixed.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Logical record length is not 80.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Data set in use.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Data set not in catalog.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Dynamic allocation failed.</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>Error when opening/processing a directory</td>
</tr>
<tr>
<td>56</td>
<td></td>
<td>An abend was intercepted.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Program buffers shortage</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Not enough space in RSL buffer.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Not enough space in VCB for name and value. Variable name and data are too long.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Arguments too long (ARG buffer overflow).</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Program errors</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>No last non-blank for non-blank value in SET command.</td>
</tr>
<tr>
<td>101</td>
<td></td>
<td>No succeeding RSL for adjoining variables.</td>
</tr>
<tr>
<td>102</td>
<td></td>
<td>Problems in PUTVAR while initiating.</td>
</tr>
<tr>
<td>Error Code (rc)</td>
<td>Reason Code (rsn)</td>
<td>Explanation</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>103</td>
<td></td>
<td>Too many arguments requested from PARSARGS.</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>Problems calculating weekday.</td>
</tr>
<tr>
<td>105</td>
<td></td>
<td>Invalid SET system variable.</td>
</tr>
<tr>
<td>106</td>
<td></td>
<td>No local anchor was passed.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>No MCT or SWT present in %%%$IPLDATE for date formatting WO0816*.</td>
</tr>
<tr>
<td>36, 40, and 44</td>
<td></td>
<td>Global variables errors</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Empty chain.</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>End of chain.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>PNXH header error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>PLBH header error.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>CTMMSK mash error, RC from IS is &gt; 4.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Pool is protected.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>Unable to get XAE information.</td>
</tr>
<tr>
<td>33</td>
<td></td>
<td>Machine is not participating on XAE.</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Attempt made to set an XAE type 1 database variable in another system image.</td>
</tr>
<tr>
<td>98</td>
<td></td>
<td>Pool not found.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed. Program error.</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Field not defined in database.</td>
</tr>
<tr>
<td>109</td>
<td></td>
<td>Requested row is out of range.</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Parse errors</td>
</tr>
<tr>
<td>Error Code ( rc )</td>
<td>Reason Code ( rsn )</td>
<td>Explanation</td>
</tr>
<tr>
<td>-------------------</td>
<td>--------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td>Invalid type.</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Place holder error.</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Position specification too long.</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Non numeric.</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>Position null.</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Invalid variable. Specified variable is greater than 256, or the variable name is too long.</td>
</tr>
<tr>
<td>32</td>
<td></td>
<td>String error.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Invalid TPE type.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Section vector overflow.</td>
</tr>
<tr>
<td>44</td>
<td></td>
<td>Variable buffer overflow.</td>
</tr>
<tr>
<td>107</td>
<td></td>
<td>No global anchor was passed.</td>
</tr>
</tbody>
</table>

**XAM566E IOA SUBSYSTEM subsys NOT RESPONDING TO REQUESTS**

**Explanation:** The IOA subsystem subsys did not terminate rule execution within the expected time frame. The XAM requester waits up to two minutes for a DORULE request to terminate the rule. If no such request is received within two minutes, this message is displayed.

The XAM interface returns a return code of 16 to the calling routine. The final system action depends on the calling environment.

**Corrective Action:** Review the rule execution results for errors and rectify as appropriate.

**XAM567E IOA SUBSYSTEM subsys INACTIVE**

**Explanation:** The requested service cannot be provided because the IOA subsystem subsys is not up.

The XAM interface returns a return code of 16 to the calling routine. The final system action depends on the calling environment.

**Corrective Action:** Start the Control-O monitor.

**XAM568E IOA SUBSYSTEM subsys DETECTED AN ERROR**

**Explanation:** An internal error was detected by the IOA subsystem subsys during the execution of a XAM DORULE request.
The XAM interface returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

Corrective Action: Do the following:
1. Collect information about the functions requested by the XAM interface.
2. Determine whether or not the Control-O monitor is properly running for ongoing automation which is not related to XAM.

XAM569E IOA SUBSYSTEM $subsys$ RETURNED AN INVALID RETURN CODE

Explanation: Due to an internal error, an invalid return code was returned by the subsystem $subsys$ during the execution of a XAM DORULE request.

The XAM interface returns a return code of 16 to the calling routine. The final System Action depends on the calling environment.

Corrective Action: Do the following:
1. Collect information about the functions requested by the XAM interface.
2. Determine whether or not the Control-O monitor is properly running for ongoing automation which is not related to XAM.

XAM56AW SOME LOCAL VARIABLES NOT COPIED FROM XAM TO RULE, REASON=$rsn$

Explanation: A request was made to execute a Control-O rule by means of the DORULE function of the XAM interface. However, by the time the request was made, the XAM program that was executing had created an excessive number of local AutoEdit variables. The XAM service cannot share all these local AutoEdit variables with the Control-O rule, so some are discarded before the rule is given control.

In this message, $rsn$ is an internal reason code used by BMC Software Customer Support.

The DORULE function continues, and control is given to the rule, but some local AutoEdit variables that cannot be copied to the rule environment are discarded. These discarded local AutoEdit variables are not available to the executed rule, nor are they available to the original XAM program once execution of the rule is complete.

Corrective Action: Use less local AutoEdit variables in the XAM program. You may be able to achieve this by using global, rather than local, AutoEdit variables.

If the problem persists, contact BMC Software Customer Support.

XAM56BW SOME LOCAL VARIABLES NOT COPIED BACK FROM RULE TO XAM, REASON=$rsn$

Explanation: A request was made to execute a Control-O rule by means of the DORULE function of the XAM interface. However, by the time the rule finished executing, an excessive number of local AutoEdit variables had been created. The XAM service cannot share all these local AutoEdit variables with the original environment (the calling XAM program), so some are discarded before returning from the rule.

In this message, $rsn$ is an internal reason code used by BMC Software Customer Support.
Execution of the DORULE request is completed, and control returns to the calling XAM program. However, some of the local AutoEdit variables that cannot be copied to the environment of the calling program are discarded. These discarded local AutoEdit variables are then no longer available to the original XAM program.

**Corrective Action:** Use less local AutoEdit variables in the XAM program and in the Control-O rule that you were executing. You may be able to achieve this by using global, rather than local, AutoEdit variables. If the problem persists, contact BMC Software Customer Support.

**XAM56EW** CONTROL-O MONITOR IS NOT ACTIVE. IOA SUBSYSTEM **subsystem_name**

**Explanation:** XAM discovered that Control-O monitor is not active.

The XAM function failed.

**Corrective Action:** Validate that Control-O monitor is active in the system that the XAM is executing. If Control-O monitor is not active, request the operator to start it and then perform the XAM function again.

**XAM56FW** CONTROL-O MONITOR INTERFACE ERROR RC=##. IOA **subsystem_name**

**Explanation:** This is an internal error that might be created when the XAM interface returns a return code greater than 4. In most cases it occurs when the XAM function is performed when Control-O monitor did not complete its startup or it started its shutdown.

The XAM function failed.

**Corrective Action:** Validate that Control-O monitor is active in the system that the XAM is executing. If Control-O monitor is not active, request the operator to start it and then perform the XAM function again.

**XCF messages**

This group includes messages for the Control-O product.

**Messages XCF200 through XCF2xx**

This group includes messages for the Control-O product.

**XCF2B2I** XCF QUERY ERROR RC=rc REASON=rsn

**Explanation:** This information message indicates that an error was detected while Control-O was querying XCF.

Control-O issued macro IXCQUERY. The macro returned return code rc and reason code rsn.

**Corrective Action:** Review the macro return code and reason code. If necessary, correct the problem and restart Control-O.
XMM messages

This group includes messages for the IOA (infrastructure) product.

Messages XMM600 through XMM6xx

This group includes messages for the IOA (infrastructure) product.

XMM645I MONITOR USER PGM APPL ID TERMINAL START LASTUSED ST

Explaination: After an operator DISPLAY command to one of the Online monitors, this header message for message XMM646I is issued.

Corrective Action: No action is required.

XMM646I monName user pgm applId terminal start lastUsed st

Explaination: After an operator DISPLAY command to one of the Online monitors, this message is displayed for each active user.

The variables in this message are:

- monName - the name of the monitor started task
- user - the user name (ID)
- pgm - the program name
- applId - the application ID
- terminal - VTAM terminal ID
- start - user sign-on time
- lastUsed - time stamp of last user entry
- st - Valid values are:
  - W (Waiting for user data)
  - A (Active user is waiting for response)

Corrective Action: No action is required.

XMM647E monName - LOAD OF pgm FAILED. SIGNON OF USER usr FAILED

Explaination: Load for a module requested during user sign-on to the Online facility failed. The user main program as specified by Online monitor sign-on exit or by default (CTMXMAN, CTMXMAND, CTDXMAN, or CTDXMANU) cannot be found in the Online monitor STEPLIB libraries.

Sign-on to the specified IOA Online monitor is terminated.

Corrective Action: Contact your INCONTROL administrator to find out why the program is missing. If the problem is not resolved, call BMC Software Customer Support.
XMM648S *monName* - ONLINE MONITOR ENDED WITH ERROR

**Explanation:** Highlighted, unrollable message.

A severe error has occurred. IOA Online monitor shutting down.

Detailed information on this error is available in the messages which were previously displayed on the operator console.

The specified IOA Online monitor is shutting down.

**Corrective Action:** Check the system log for additional messages.

XMM649E *monName* - INVALID MODIFY PARAMETERS. VALID PARAMETERS ARE:

**Explanation:** An invalid parameter was passed to the specified IOA Online monitor by an operator modify command (F). A list of valid modify parameters will appear on the operator console following this message.

The modify command is rejected.

**Corrective Action:** Enter a correct modify parameter.

Messages XMM700 through XMM7xx

This group includes messages for the IOA (infrastructure) product.

XMM770I INVALID TRACE LEVEL WAS SPECIFIED: xxxxxxxxxxxxxxx

**Explanation:** This information message is issued when the trace is turned on for the IOA online monitor and the trace level is invalid.

When the command F IOA- *monName*, TRACE= nnn,ON or OFF is used to turn the trace ON or OFF, and the trace level is invalid, this message is issued. The trace level may be set to any value from 1 through 256.

The system ignores the command and continues processing.

**Corrective Action:** Reset the trace level to a valid value and try again.

XMM775I *monName* - validModifyParm

**Explanation:** This information message follows message CTM649E, which is issued when a MODIFY parameter is invalid.

**Corrective Action:** No action is required.

XMM776I *monName* - SHUT DOWN UPON REQUEST FROM OPERATOR

**Explanation:** This information message indicates that the specified Online monitor is shutting down based on an operator's request.

**Corrective Action:** No action is required.
**XMM777I monName - ONLINE MONITOR INITIALIZATION STARTED**

**Explanation:** This information message indicates that the specified Online monitor was started and is currently building the required internal environment.

**Corrective Action:** No action is required.

**XMM778I monName - ONLINE MONITOR INITIALIZATION COMPLETED**

**Explanation:** This information message indicates that the specified Online monitor is ready to serve the user’s sign-on request.

**Corrective Action:** No action is required.

**XMM779E monName - ONLINE MONITOR INITIALIZATION FAILED RC rc IN STEP step#**

**Explanation:** The specified Online monitor initialization has encountered an internal error in the step and has returned the return code rc.

The following step numbers and return codes can appear in the message:

<table>
<thead>
<tr>
<th>Step No. (step#)</th>
<th>Explanation</th>
<th>Return Code (rc)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>Subsystem initialization error.</td>
<td>04</td>
<td>IOA component already active.</td>
</tr>
<tr>
<td></td>
<td>Subsystem initialization error.</td>
<td>08</td>
<td>Subsystem name not supplied.</td>
</tr>
<tr>
<td></td>
<td>Subsystem initialization error.</td>
<td>12</td>
<td>Subsystem executor not found.</td>
</tr>
<tr>
<td></td>
<td>Subsystem initialization error.</td>
<td>16</td>
<td>Insufficient storage.</td>
</tr>
<tr>
<td></td>
<td>Subsystem initialization error.</td>
<td>20</td>
<td>Subsystem already active for a different IOA release.</td>
</tr>
<tr>
<td></td>
<td>Subsystem initialization error.</td>
<td>24</td>
<td>IOAOMON already active for a different IOA release.</td>
</tr>
<tr>
<td></td>
<td>Subsystem initialization error.</td>
<td>28</td>
<td>Invalid parameters passed to the initialization routine.</td>
</tr>
<tr>
<td></td>
<td>Subsystem initialization error.</td>
<td>32</td>
<td>Internal error.</td>
</tr>
<tr>
<td>0002</td>
<td>ECBLIST could not be obtained in CSA/ECSA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0003</td>
<td>Cross-memory environment establishment error AXSET).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0004</td>
<td>Cross-memory environment establishment error (LXRES).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Step No. (step#) | Explanation
---|---
0005 | (ETCRE).
0006 | (ETCON).
0007 | IOAOMON could not be made non-swappable.
0009 | There is only one return code for this step:

<table>
<thead>
<tr>
<th>Return Code (rc)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>IOAOMON could not find its own ASCB.</td>
</tr>
</tbody>
</table>

The specified online monitor will shut down.

**Corrective Action:** Act according to the step number and return code as follows:

<table>
<thead>
<tr>
<th>Step Code</th>
<th>Return Code (rc)</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001</td>
<td>08</td>
<td>Verify that the subsystem name is defined.</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Verify that the subsystem name is defined.</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Try again.</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Verify that the subsystem is used solely by the current IOA version of IOAOMON.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Verify that the subsystem is used solely by the current IOA version of IOAOMON.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Forward problem to IOA representative.</td>
</tr>
<tr>
<td></td>
<td>32</td>
<td>Forward problem to IOA representative.</td>
</tr>
<tr>
<td>0002</td>
<td></td>
<td>Try again.</td>
</tr>
<tr>
<td>0003 through 0009</td>
<td></td>
<td>Forward problem to your IOA representative.</td>
</tr>
</tbody>
</table>

**XMM77AI USER userId WAS CANCELED DUE TO TIMEOUT**

**Explanation:** This information message indicates that the communication session with the specified user was terminated because no data was transmitted during a period of time which exceeded the time-out interval.

This message is generated by CTMXSND which communicates with the OMON cross-memory monitor.
**Corrective Action:** No action is required.

**XMM780I monName - NO USER IS SIGNED ON TO THIS ONLINE MONITOR**

**Explanation:** This information message is displayed when the operator inquires about active users in the specified Online monitor but there are none.

**Corrective Action:** No action is required.

**XMM781E monName - INSUFFICIENT STORAGE FOR USER usr. SIGN-ON FAILED**

**Explanation:** Insufficient virtual storage in the Online monitor address space. User sign-on request is terminated.

**Corrective Action:** Increase the REGION size of the Online monitor. If the problem persists, reduce the number of users allowed to sign on to the Online monitor by lowering the value of the MAXSESS parameter of the specific monitor in IOAXPRM. For more details, see the advice on installing the IOA Online monitor in the *INCONTROL for z/OS Installation Guide*.

**XMM782E monName - INSUFFICIENT STORAGE FOR INITIALIZATION.**

**Explanation:** Highlighted, unrollable message.

Insufficient memory for the online monitor. The specified online monitor shuts down.

**Corrective Action:** No action is required.

**XMM784E monName - AN ONLINE MONITOR WITH THE SAME STC NAME IS ALREADY ACTIVE**

**Explanation:** The operator entered a START command in order to activate monitor. Control-D and Control-M online monitors may work simultaneously provided that each monitor uses a unique name. The newly started online monitor terminates.

**Corrective Action:** If an additional online monitor is needed, define another JCL procedure with a different name to support it.

**XMM785I EXISTING USERS (IF ANY) ARE NOT USING A TREE**

**Explanation:** This information message is generated if a DISPLAY TREES inquiry is made, but no users are using a Control-D Recipient Tree.

**Corrective Action:** No action is required.

**XMM786I monName - NEW TREE LOADED. NEW USERS WILL BE SIGNED ON TO THE NEW TREE**

**Explanation:** This information message indicates that the operator has modified the Online monitor with the LOADTREE command.
A new tree was loaded from the data set (member) allocated to the DATREE DD statement. The new tree will be in effect for all users who sign on from this point in time.

**Corrective Action:** No action is required.

**XMM787W monName - MAXIMUM NUMBER OF TREES LOADED. A TREE MUST BE FREED IN ORDER TO LOAD A NEW ONE**

**Explanation:** The operator entered a LOADTREE command but there are already five trees in storage. Only five tree copies can be loaded.

**Corrective Action:** Wait and retry. A tree is freed when the last user working with an old tree leaves the user screen, or is cancelled.

**XMM788I monName - THE FOLLOWING USERS ARE SIGNED ON TO TREE NUMBER num**

**Explanation:** This information message is the result of a DISPLAY TREES inquiry to one of the online monitors. It acts as a header for message CTM789I. The message is displayed for each Recipient Tree that is loaded in the online monitor.

**Corrective Action:** No action is required.

**XMM789I monName - userId ...**

**Explanation:** This information message displays the result of a DISPLAY TREES inquiry to one of the online monitors. It is displayed for each group of six users.

The variables in this message are:

- `monName` - The name of the online monitor started task.
- `userId` - User ID that is using the Recipient Tree.

**Corrective Action:** No action is required.

**XMM78AE ioaomon stc name INITIALIZATION OF THE LIBRARY ddName FAILED**

**Explanation:** The IOA online monitor could not process the library referenced by the `ddName` DD statement. The error occurred when the IOA online monitor address space attempted to initialize processing for the library or a member within the library.

The IOA online monitor terminates with a return code of 8.

**Corrective Action:** Check for the presence of the `ddName` DD statement, the library referenced by it and/or the member name in the ALC allocation member and in the JCL for the monitor. Add the missing entry or correct the entry in error. Restart the IOA online monitor.
XMM78BE  *ioaomon stc name MEMBER PRMXMM WITH COMMON COMMANDS AND PFKEYS IS NOT FOUND*

**Explanation:** The IOA online monitor did not find the PRMXMM member in the IOA PARMCMD library. The library referenced by the DACMDCU DD statement under the IOA online monitor does not contain the PRMXMM member, which internally defines common COMMANDS and PFKEYS.

The IOA online monitor terminates with a return code of 8.

**Corrective Action:** Insure that the DACMDCU DD statement correctly refers to the IOA PARMCMD library. Ensure that the PRMXMM member exists in the library. If the problem persists, contact BMC Software Customer Support.

XMM78CI  *ioaomon stc name MEMBER memName WITH COMMANDS OR PFKEYS IS NOT FOUND*

**Explanation:** This information message indicates that the IOA online monitor did not find the COMMAND or PFKEYS member in the IOA PARMCMD library. The libraries referenced by the DACMDCU and DAPFCMD DD statement under the IOA online monitor do not contain the COMMAND or PFKEYS member associated with the currently displayed screen.

The IOA online monitor continues execution. Problems may occur when attempting to execute commands entered on the user’s screen.

**Corrective Action:** Ensure that the DACMDCU and DAPFCMD DD statement correctly refer to the IOA PARMCMD library. Ensure that all necessary COMMAND and PFKEYS members exist in the library. If the problem persists, contact BMC Software Customer Support.

XMM78DE  *jobName JOBNAME NOT DEFINED IN IOAXPRM*

**Explanation:** When starting up, the IOA Online monitor *jobName* was not found in IOAXPRM (either explicitly, or by mask).

The IOA Online monitor terminates.

**Corrective Action:** Use a valid job name, or make the necessary changes to IOAXPRM, and restart the monitor.

XMM78EE  *jobName WRONG LEVEL OF IOAXPRM*

**Explanation:** The eye-catcher of the IOAXPRM member was not found in storage.

The probable cause is that the eye-catcher was overwritten by another module.

The startup of the IOA monitor stops.

**Corrective Action:** Contact your INCONTROL administrator. If no solution can be found for the problem, contact BMC Software Customer Support.

XMM793I  *monName - ONLINE MONITOR SHUTTING DOWN*

**Explanation:** Highlighted, unrollable message.

This information message is generated when the specified Online monitor is shutting down.

**Corrective Action:** No action is required.
XMM794I monName - USER user NOT FOUND

Explaination: This information message indicates that an inquiry in the format DISPLAY USER=user was entered with a user name which is not active in the specified Online monitor.

Corrective Action: No action is required.

XMM795I monName - USER usr CANCELLED

Explaination: This information message indicates that the specified Online user was cancelled upon operator’s request. User session will be terminated.

Corrective Action: No action is required.

XRB messages

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

Messages XRBH00 through XRBHxx

This group includes messages for the Control-D, Control-D/Image, and Control-D/Page on Demand products.

XRBH01I CREATION OF PRINT CONTROL RECORDS STARTED

Explaination: This information message indicates that the CTDBLXRP utility has begun processing.

The CTDBLXRP utility rebuilds Print Control Records in the Active User Report List file.

Corrective Action: No action is required.

XRBH02I CREATION OF PRINT CONTROL RECORDS ENDED OK

Explaination: This information message indicates that the CTDBLXRP utility has successfully completed execution.

The CTDBLXRP utility rebuilds Print Control Records in the Active User Report List file.

The CTDBLXRP utility terminates with a condition code of 0.

Corrective Action: No action is required.

XRBH03S CREATION OF PRINT CONTROL RECORDS ENDED WITH ERRORS

Explaination: The CTDBLXRP utility, which rebuilds Print Control Records in the Active User Report List file, encountered a critical error during execution.

The utility terminates with a condition code of 8 or higher.

Corrective Action: Check the IOA Log file and system log for previous messages associated with the error. Correct the problem and re-execute the utility.
**XRBH04I WAITING FOR ANOTHER CTDDELRP OR CTDBLXRP OR RESTORE JOB TO TERMINATE**

**Explanation:** This information message indicates that the CTDBLXRP utility, which rebuilds Print Control Records in the Active User Report List file, detected another job that requires CTDBLXRP to wait before resuming processing.

To insure data integrity, the CTDBLXRP utility will not run concurrently with another CTDBLXRP, CTDDELRP or Restore Mission job.

The CTDBLXRP utility waits until the contending job terminates and then resumes processing.

**Corrective Action:** No action is required.

**XRBH05I WAITING FOR ANOTHER TASK TO FINISH**

**Explanation:** This information message indicates that the CTDBLXRP utility, which rebuilds Print Control Records in the Active User Report List file, detected another currently executing task that requires CTDBLXRP to wait before resuming processing.

To insure data integrity, the CTDBLXRP utility will not run concurrently while a Print Plan file is being built by a subtask in the Control-D monitor address space.

The CTDBLXRP utility waits until the contending task terminates and then resumes processing.

**Corrective Action:** No action is required.

**XRBH06I LAST WAIT IS COMPLETE**

**Explanation:** This information message indicates that the CTDBLXRP utility, which rebuilds Print Control Records in the Active User Report List file, has resuming processing after waiting for another job or task to complete.

This message follows messages XRBH04I and/or XRBH05I.

**Corrective Action:** No action is required.

**XRBH07E "FE" PRINT SUPPORT ERROR. RETURN CODE rc FUNCTION func**

**Explanation:** While performing function *func*, the CTDBLXRP utility, which rebuilds Print Control Records in the Active User Report List file, encountered an error and produced the return code *rc*.

The error associated with each return code is identified below.

<table>
<thead>
<tr>
<th>Return Code</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>008</td>
<td>Memory shortage.</td>
</tr>
<tr>
<td>012</td>
<td>Memory shortage.</td>
</tr>
<tr>
<td>016</td>
<td>Invalid function.</td>
</tr>
<tr>
<td>020</td>
<td>Database I/O error.</td>
</tr>
</tbody>
</table>
Return Code | Explanation
---|---
024 | Open error.

**Corrective Action:** Check the IOA Log file and system log for additional messages associated with the error. Determine the cause of the error. Correct the problem and re-execute the utility. If the problem persists, contact BMC Software Customer Support.

**XRBH08W ORPHAN INP RECORD. PRINT MISSION: prtmis, REPORT KEY: rep_key**

**Explanation:** This warning message indicates that the CTDBLXRP utility encountered an orphan INP record. The INP record points to the User record with the ID `rep_key`, which is missing from the User file. The orphan INP record is deleted from the User file. The pointer to this record is not included in the record created by the utility print control. The utility continues to work.

**Corrective Action:** No action is required.

**XRBH09E INVALID PARAMETER: FILE= val**

**Explanation:** The `val` value of the FILE parameter specified in the EXEC statement for the utility CTDBLXRP is not valid. The valid values are ACT or MIG. The utility stops.

**Corrective Action:** Correct the invalid parameter value in the JCL and rerun the job.

**XRBH0AI SCANNING OF file USER FILE STARTED**

**Explanation:** This information message indicates that the CTDBLXRP utility started to scan the `file` Control-D User file. The following values are available for `file`:

- ACT - Active User file
- MIG - Main Migrated User file partition
- MIGN - Migrated User file partition n, where n can be from 1 to 9

**Corrective Action:** No action is required.
A - User abends

This section includes information relating to INCONTROL products user abends.

On occasion, the INCONTROL products produce user abends. The following abends are documented, by product:

- Control-D abends
- Control-M abends
- Control-M/Tape abends
- Control-O abends

Control-D abends

The following table contains abends related to the Control-D product.

<table>
<thead>
<tr>
<th>Abend</th>
<th>Explanation/ Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>U0005</td>
<td><strong>Explanation:</strong> A secondary abend occurred in the IOADUMP routine when printing a diagnostic dump after the original abend. &lt;br&gt;<strong>Corrective Action:</strong> Check for the cause of the original abend from the SYSABEND file, and correct accordingly.</td>
</tr>
<tr>
<td>U0006</td>
<td><strong>Explanation:</strong> This abend is issued by the Control-D main task after an abend occurred in one of its subtasks. &lt;br&gt;<strong>Corrective Action:</strong> Check for the cause of the subtask abend, and correct accordingly.</td>
</tr>
<tr>
<td>U3005, U3006, U3007</td>
<td><strong>Explanation:</strong> These abends indicate that a structure in the index of a user file became corrupt. &lt;br&gt;<strong>Corrective Action:</strong> Rebuild the index using the CTDUFDI job.</td>
</tr>
<tr>
<td>U3010, U3011, U3012, U3013</td>
<td><strong>Explanation:</strong> These abends indicate an internal error in the IOA access method when blocks in the user files are updated. &lt;br&gt;<strong>Corrective Action:</strong> Restart the program and pass the dump to the system administrator.</td>
</tr>
</tbody>
</table>
Control-M abends

The following table contains abends related to the Control-M product.

<table>
<thead>
<tr>
<th>Abend</th>
<th>Explanation/ Corrective Action</th>
</tr>
</thead>
</table>
| U0006 | **Explanation:** This abend is issued by the Control-M main task after an abend occurred in one of its subtasks.  
**Corrective Action:** Check for the cause of the subtask abend, and correct accordingly. |
| U0008 | **Explanation:** An error occurred in a Control-M file.  
**Clarification:** This abend is always preceded by message RUN119S.  
**Corrective Action:** Check for any additional messages relating to the abend and correct accordingly. |
| U0020 | **Explanation:** The Jobs Order procedure detected that the contents of the Active Jobs file were invalid.  
**Clarification:** This is usually because the file is improperly formatted.  
**Corrective Action:** Reallocate and reformat the Active Jobs file. |
| U0040 | **Explanation:** A severe internal error occurred in the Control-M monitor when processing a job order.  
**Clarification:** This abend always follows message SPY252S which displays details of the job order. Additional messages relating to the problem can be found in the IOA Log file.  
**Corrective Action:** Check message SPY252S and any other messages relating to the problem in the IOA Log file, and correct accordingly. |

Control-M/Tape abends

The following table contains abends related to the Control-M/Tape product.
Abend U0242

**Explanation:** Control-M/Tape abended the task.

The task is abended. Control-M/Tape does not record any information about the tape's data set.

The cause of the abend is detailed in a preceding message. The reason code appearing in the abend message points to the preceding message as follows:

<table>
<thead>
<tr>
<th>Reason Code</th>
<th>See Message</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CTT106S</td>
<td>Invalid intercept code</td>
</tr>
<tr>
<td>8</td>
<td>CTT106S</td>
<td>ESTAE failed</td>
</tr>
<tr>
<td>12</td>
<td>CTT106S</td>
<td>GETAST failed</td>
</tr>
<tr>
<td>16</td>
<td>CTT106S</td>
<td>Volume's RBA is missing</td>
</tr>
<tr>
<td>20</td>
<td>CTT106S</td>
<td>Data set's RBA is missing</td>
</tr>
<tr>
<td>24</td>
<td>CTT107S</td>
<td>Invalid file sequence</td>
</tr>
<tr>
<td>28</td>
<td>CTT108E</td>
<td>Previous file does not exist</td>
</tr>
<tr>
<td>32</td>
<td>CTT109E</td>
<td>Data set name conflict with MDB data set name</td>
</tr>
<tr>
<td>36</td>
<td>CTT130E</td>
<td>Volume not in MDB</td>
</tr>
<tr>
<td>40</td>
<td>CTT110E</td>
<td>Data set not in MDB</td>
</tr>
<tr>
<td>44</td>
<td>CTT111E</td>
<td>Job failed by user exit CTTX003</td>
</tr>
<tr>
<td>48</td>
<td>CTT200S</td>
<td>Open failed for MDB</td>
</tr>
<tr>
<td>52</td>
<td>CTT200S</td>
<td>Close failed for MDB</td>
</tr>
<tr>
<td>56</td>
<td>N/A</td>
<td>GETMAIN error</td>
</tr>
<tr>
<td>60</td>
<td>CTT119E</td>
<td>Recreate with DISP set to NEW</td>
</tr>
<tr>
<td>64</td>
<td>CTT113A</td>
<td>Volume is in a remote vault</td>
</tr>
<tr>
<td>68</td>
<td>CTT118E</td>
<td>File already exists</td>
</tr>
<tr>
<td>72</td>
<td>CTT115S</td>
<td>Bad RC from user exit</td>
</tr>
<tr>
<td>76</td>
<td>CTT116S</td>
<td>Abend in user exit</td>
</tr>
</tbody>
</table>
INCONTROL for z/OS Messages Manual

<table>
<thead>
<tr>
<th>Reason Code</th>
<th>See Message</th>
<th>Short Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>CTT120E</td>
<td>Recreate on a permanent data set</td>
</tr>
<tr>
<td>100</td>
<td>CTT125E</td>
<td>Volume is not scratch</td>
</tr>
<tr>
<td>112</td>
<td>CTT200S</td>
<td>MDB error</td>
</tr>
<tr>
<td>124</td>
<td>CTT132E</td>
<td>EDM tries to write on non-EDM</td>
</tr>
<tr>
<td>128</td>
<td>CTT133E</td>
<td>Non-EDM tries to write on EDM</td>
</tr>
<tr>
<td>156</td>
<td>CTT140E</td>
<td>Specific request for a scratch volume</td>
</tr>
<tr>
<td>160</td>
<td>CTT141E</td>
<td>Recreate on the wrong volume</td>
</tr>
<tr>
<td>168</td>
<td>CTT144E</td>
<td>Job started before Control-M/Tape was active</td>
</tr>
<tr>
<td>172</td>
<td>CTT145E</td>
<td>Access denied by user exit CTTX006</td>
</tr>
<tr>
<td>192</td>
<td>CTT148E</td>
<td>Recreate disabled by installation</td>
</tr>
<tr>
<td>228</td>
<td>N/A</td>
<td>Volume not found during MVS/RESTART</td>
</tr>
</tbody>
</table>

**Corrective Action:** If the reason code is 56, increase the region size. If the reason code is 228, give a copy of the job log to your local INCONTROL administrator. In all other cases check the preceding messages and correct accordingly.

Control-O abends

The following table contains abends related to the Control-O product.

<table>
<thead>
<tr>
<th>Abend</th>
<th>Explanation/ Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>U00012</td>
<td><strong>Explanation:</strong> There is shortage of XAE request blocks. The reason code (in register 0) is the ID of the block. The process requesting the block abends.</td>
</tr>
<tr>
<td></td>
<td><strong>Corrective Action:</strong> Restart the Control-O or CMEM and pass the dump to the system administrator.</td>
</tr>
</tbody>
</table>
B - Control-D Transformation Messages

In Control-D, transformation is the process of extracting data from print stream reports (such as AFP, Xerox, Postscript, or PDF) and converting them into a viewable format (such as TEXT, PDF or HTML).

While Control-D is transforming a report (during decollation with ON TRNCLASS, ON TRNDSN, or during a STORE=Y print mission), the following message template is used to generate messages:

```
REP26DW variableTextMsg
```

where `variableTextMsg` is a sub-message directly related to the event that produced it, providing specific information about that event.

This section documents the sub-messages of REP26DW.

Resource error and warnings messages

This section includes transformation messages for the Control-D product.

**BMCDAL0009E TCL.Size : Missing resource resourceName (Type: resourceType)**

**Explanation:** This message is issued under message REP26DW when a resource is missing, where `resourceName` is one of the following:

- the name of the resource that failed
- (if transformation of the entire report failed) the Document name

and `resourceType` is described in the table `Resource type (resourceType)` for BMCDAL0009E.

The system action is according to the specific error code. There are 3 options:

- The transformation fails.
- The transformation continues without the failed resource. A default resource will be used instead.
- The transformation ends OK, for example, when the error code is 198312.

**Corrective Action:** If the transformation fails, do one of the following:

1. Try transforming again.
2. Correct the problem indicated by the error code description and try transforming again.
3. Set the Report Clique parameter FailOnMissingResources to Never and try transforming again.
4. Check the resources to determine if they were corrupted during the file transfer and try transforming again.
Resource type (resourceType) for BMCDAL0009E

<table>
<thead>
<tr>
<th>Type ID</th>
<th>Type name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AFP Overlay</td>
</tr>
<tr>
<td>2</td>
<td>AFP Page Segment</td>
</tr>
<tr>
<td>3</td>
<td>AFP Presentation Page</td>
</tr>
<tr>
<td>4</td>
<td>AFP Formdef</td>
</tr>
<tr>
<td>5</td>
<td>AFP Pagedef</td>
</tr>
<tr>
<td>6</td>
<td>AFP Coded Font</td>
</tr>
<tr>
<td>7</td>
<td>AFP Character Set</td>
</tr>
<tr>
<td>8</td>
<td>AFP Code Page</td>
</tr>
<tr>
<td>9</td>
<td>AFP Page</td>
</tr>
<tr>
<td>10</td>
<td>AFP Document</td>
</tr>
<tr>
<td>12289</td>
<td>Xerox Form</td>
</tr>
<tr>
<td>12290</td>
<td>Xerox image</td>
</tr>
<tr>
<td>12295</td>
<td>Xerox Font</td>
</tr>
<tr>
<td>12337</td>
<td>Xerox JSL</td>
</tr>
<tr>
<td>12338</td>
<td>Xerox Logo</td>
</tr>
<tr>
<td>28674</td>
<td>TBL (UNIMAP, GLYPHMAP, ASCCI CVT)</td>
</tr>
</tbody>
</table>

BMCDAL0614E TransformObject.ConvertObject: ConvObject_Create Create resource failed: resourceName (Type resourceType), rc= returnCode

**Explanation:** This message is issued under message REP26DW when a resource is missing or the conversion of a resource to the internal format fails, where resourceName is one of the following:

- the name of the resource that failed
- (if transformation of the entire report failed) the Document name

resourceType is described in the table Resource type (resourceType) for BMCDAL0614E, and returnCode is described in the table Resource message return codes and text.
The system action is according to the specific error code. There are 3 options:

- The transformation fails.
- The transformation continues without the failed resource. A default resource will be used instead.
- The transformation ends OK. For example when the error code is 198312.

**Corrective Action:** If the transformation fails, do one of the following:

1. Try transforming again.
2. Correct the problem indicated by the error code description and try transforming again.
3. Set the Report Clique parameter FailOnMissingResources to Never and try transforming again.
4. Check the resources to determine if they were corrupted during the file transfer and try transforming again.

**Resource type (resourceType) for BMCDAL0614E**

<table>
<thead>
<tr>
<th>Type ID</th>
<th>Type name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AFP Overlay</td>
</tr>
<tr>
<td>2</td>
<td>AFP Page Segment</td>
</tr>
<tr>
<td>3</td>
<td>AFP Presentation Page</td>
</tr>
<tr>
<td>4</td>
<td>AFP Formdef</td>
</tr>
<tr>
<td>5</td>
<td>AFP Pagedef</td>
</tr>
<tr>
<td>6</td>
<td>AFP Coded Font</td>
</tr>
<tr>
<td>7</td>
<td>AFP Character Set</td>
</tr>
<tr>
<td>9</td>
<td>AFP Code Page</td>
</tr>
<tr>
<td>15</td>
<td>AFP Page</td>
</tr>
<tr>
<td>16</td>
<td>AFP Document</td>
</tr>
<tr>
<td>12289</td>
<td>Xerox Form</td>
</tr>
<tr>
<td>12290</td>
<td>Xerox image</td>
</tr>
<tr>
<td>12295</td>
<td>Xerox Font</td>
</tr>
<tr>
<td>12337</td>
<td>Xerox JSL</td>
</tr>
<tr>
<td>12338</td>
<td>Xerox Logo</td>
</tr>
</tbody>
</table>
### Resource message return codes and text

<table>
<thead>
<tr>
<th>Severity</th>
<th>Return code</th>
<th>Message text</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONCRITICAL</td>
<td>131846</td>
<td>Requested resource not found--continuing without resource (or with a default resource)</td>
</tr>
<tr>
<td>VISUAL</td>
<td>198147</td>
<td>Medium map specified in IMM not found - probably wrong/no Formdef used</td>
</tr>
<tr>
<td>VISUAL</td>
<td>198197</td>
<td>Afp Page Segment is missing</td>
</tr>
<tr>
<td>VISUAL</td>
<td>198198</td>
<td>Afp Overlay is missing</td>
</tr>
<tr>
<td>VISUAL</td>
<td>198199</td>
<td>Medium map specified in IMM not found - probably wrong/no Formdef used</td>
</tr>
<tr>
<td>VISUAL</td>
<td>198200</td>
<td>Afp Coded font missing - another font will be substituted</td>
</tr>
<tr>
<td>VISUAL</td>
<td>198201</td>
<td>Invalid Afp structure in Afp Codepage or Afp CharacterSet</td>
</tr>
<tr>
<td>VISUAL</td>
<td>198312</td>
<td>Invalid Afp after EDT - stop processing</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>262400</td>
<td>Memory allocation error</td>
</tr>
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<td>262407</td>
<td>Invalid value in Row-Col parameters</td>
</tr>
<tr>
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<td>262917</td>
<td>Memory allocation error</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>262918</td>
<td>Requested resource not found - cannot continue transformation</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>262919</td>
<td>Unknown resource type was requested</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>262921</td>
<td>Internal logical error</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263680</td>
<td>Invalid Afp structure (no BDT)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263681</td>
<td>Invalid Afp structure (no PageEnv)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263682</td>
<td>Invalid Afp structure (problem reading SFI)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263684</td>
<td>Invalid Afp structure (problem in afp page data)</td>
</tr>
<tr>
<td>Severity</td>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------------------------------------------</td>
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<tr>
<td>CRITICAL</td>
<td>263686</td>
<td>Invalid Afp structure (no Active Environment Group)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263688</td>
<td>Internal error (problem with anchors)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263689</td>
<td>Memory allocation error</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263696</td>
<td>Internal error - storing of private data failed</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263697</td>
<td>Unsupported object type</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263698</td>
<td>Internal error (Could not retrieve private data in job start)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263699</td>
<td>Unknown object type</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263700</td>
<td>Internal error (Buffer callback function not supplied)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263701</td>
<td>Internal error (error in put callback)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263702</td>
<td>Afp buffer callback not created - data is not valid Afps</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263704</td>
<td>Internal logical error</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263705</td>
<td>Internal error--error creating internal page format</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263712</td>
<td>Memory allocation error</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263713</td>
<td>Memory allocation error</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263717</td>
<td>Invalid Afp structure--no BPG record in page</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263744</td>
<td>Invalid Afp structure in Afp Image</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263745</td>
<td>Invalid Afp structure in Afp Image</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263746</td>
<td>Invalid Afp structure in Afp Image</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263747</td>
<td>Invalid Afp structure in Afp Image</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263748</td>
<td>Invalid Afp structure in Afp Image</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263749</td>
<td>Invalid Afp structure (no PageEnv in PageSegment)</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263750</td>
<td>Invalid Afp internal image in PageSegment</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263762</td>
<td>Invalid Afp font raster pattern</td>
</tr>
<tr>
<td>Severity</td>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263763</td>
<td>Afp Outline Font is currently not supported</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263764</td>
<td>Afp Font without raster patterns is currently not supported. Only the new C0 FONT format is supported. The corresponding C0 FONTs must be added to the resource library and all FONTs starting from C1, C2, C3, C4 must be removed from resource library.</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263844</td>
<td>Invalid Afp structure - no EPG record in page</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263845</td>
<td>Invalid Afp structure - no BPG record in page</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263846</td>
<td>Invalid Afp MCF record in Active Environment Group</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263847</td>
<td>Invalid Afp Active Environment Group - PGD record missing</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263849</td>
<td>RSTACK EOF, no data for Xerox page</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263850</td>
<td>Invalid Afp data - record read did not start with x'5A'</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263851</td>
<td>Goca object failed</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263852</td>
<td>Unsupported Color Model</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263853</td>
<td>J PG failure</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263854</td>
<td>J PG EOF</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263855</td>
<td>J PG UNKNOWN ERROR</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263856</td>
<td>Invalid Band Length</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263857</td>
<td>Unsupported bits per Band</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263858</td>
<td>Invalid Band Color Model</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263859</td>
<td>Invalid JPEG RELRES</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263860</td>
<td>LZW Failure</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263861</td>
<td>LZW unknown error</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263862</td>
<td>ENG without BNG</td>
</tr>
<tr>
<td>CRITICAL</td>
<td>263863</td>
<td>TLE without BNG</td>
</tr>
</tbody>
</table>
INCONTROL for z/OS Messages Manual

<table>
<thead>
<tr>
<th>Severity</th>
<th>Return code</th>
<th>Message text</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRITICAL</td>
<td>263864</td>
<td>IO ERROR when reading file</td>
</tr>
</tbody>
</table>

Xerox error and warnings messages

This section includes Xerox error and warning messages for the Control-D product.

BMCDAL0678W Xerox warning cdpXerox returnCode: messageText

**Explanation:** This warning message is issued under message REP26DW when transforming a Xerox report. Transformation continues. The supported returnCode and messageText values are listed in the table Xerox warning messages.

**Corrective Action:** Read the message in order to determine if user action is required.

**Xerox warning messages**

<table>
<thead>
<tr>
<th>Return code</th>
<th>Message text</th>
</tr>
</thead>
<tbody>
<tr>
<td>109</td>
<td>4197 encrypted/decrypted file wrong length</td>
</tr>
<tr>
<td>113</td>
<td>bad character descriptor, ignored</td>
</tr>
<tr>
<td>114</td>
<td>8790 leading value inconsistent</td>
</tr>
<tr>
<td>115</td>
<td>8790 character height inconsistent</td>
</tr>
<tr>
<td>116</td>
<td>8790 font has obsolete(IG 1) bitmap fmt</td>
</tr>
<tr>
<td>117</td>
<td>8790 font has unknown bitmap format</td>
</tr>
<tr>
<td>118</td>
<td>New font with 10 byte FST entries</td>
</tr>
<tr>
<td>119</td>
<td>font's space character' width not equal average character space value PTF019</td>
</tr>
<tr>
<td>123</td>
<td>cdesc inconsistent w(bitmap scan results</td>
</tr>
<tr>
<td>124</td>
<td>#bytes/scan not even for 8790 bitmap</td>
</tr>
<tr>
<td>128</td>
<td>requested output type unknown - no o/p</td>
</tr>
<tr>
<td>129</td>
<td>can't find output CDesc</td>
</tr>
<tr>
<td>130</td>
<td>8790 char ofs would be negative, set to 0</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>131</td>
<td>wng: cbm.c_buf already allocated</td>
</tr>
<tr>
<td>145</td>
<td>unknown token in header</td>
</tr>
<tr>
<td>148</td>
<td>bad Line Control Code in IMG</td>
</tr>
<tr>
<td>149</td>
<td>unexpected SOI code within IMG</td>
</tr>
<tr>
<td>150</td>
<td>data code error in IMG</td>
</tr>
<tr>
<td>151</td>
<td>too many samples in current line</td>
</tr>
<tr>
<td>152</td>
<td>bad arg to Axx</td>
</tr>
<tr>
<td>153</td>
<td>decode error ddd: Line#: 0xXXX=%DDD</td>
</tr>
<tr>
<td>154</td>
<td>attempt to read beyond IMG bytecount</td>
</tr>
<tr>
<td>155</td>
<td>EOF detected while reading IMG</td>
</tr>
<tr>
<td>156</td>
<td>IMG header not found in file</td>
</tr>
<tr>
<td>157</td>
<td>IMG line length bad</td>
</tr>
<tr>
<td>2700</td>
<td>bad or unsupported JSL command in JSL file</td>
</tr>
<tr>
<td>2701</td>
<td>JDL not found in library</td>
</tr>
<tr>
<td>2702</td>
<td>JDE not found in JDL</td>
</tr>
<tr>
<td>6004</td>
<td>Invalid JSL Command</td>
</tr>
<tr>
<td>6005</td>
<td>Unsupported PDL keyword</td>
</tr>
<tr>
<td>6006</td>
<td>BEGIN value bad in PDE</td>
</tr>
<tr>
<td>6007</td>
<td>LINE PDL parameter invalid</td>
</tr>
<tr>
<td>6008</td>
<td>VFU channel assignment invalid</td>
</tr>
<tr>
<td>6013</td>
<td>bad TCODE parameter</td>
</tr>
<tr>
<td>6025</td>
<td>COPY parameter invalid</td>
</tr>
<tr>
<td>6026</td>
<td>FEED parameter invalid</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>6027</td>
<td>COVER parameter invalid</td>
</tr>
<tr>
<td>6028</td>
<td>shift parameter invalid</td>
</tr>
<tr>
<td>6029</td>
<td>OFFSET parameter invalid</td>
</tr>
<tr>
<td>6030</td>
<td>NUMBER parameter invalid</td>
</tr>
<tr>
<td>6031</td>
<td>PAPERSIZE parameter invalid</td>
</tr>
<tr>
<td>6032</td>
<td>font character not in font</td>
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<tr>
<td>6033</td>
<td>XEROX FNT Font FILE INVALID</td>
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<tr>
<td>6034</td>
<td>JSL VOLUME HOST parameter INVALID</td>
</tr>
<tr>
<td>6035</td>
<td>RECORD ADJUST parameter invalid</td>
</tr>
<tr>
<td>6036</td>
<td>RECORD LMULT parameter invalid</td>
</tr>
<tr>
<td>6037</td>
<td>RECORD LTHFLD parameter invalid</td>
</tr>
<tr>
<td>6038</td>
<td>RECORD OFFSET parameter invalid</td>
</tr>
<tr>
<td>6039</td>
<td>RECORD POSTAMBLE parameter invalid</td>
</tr>
<tr>
<td>6040</td>
<td>RECORD PREAMBLE parameter invalid</td>
</tr>
<tr>
<td>6041</td>
<td>RECORD FORMAT PARAMETER INVALID</td>
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<tr>
<td>6042</td>
<td>BLOCK FORMAT PARAMETER INVALID</td>
</tr>
<tr>
<td>6045</td>
<td>BLOCK ADJUST parameter invalid</td>
</tr>
<tr>
<td>6046</td>
<td>BLOCK LMULT parameter invalid</td>
</tr>
<tr>
<td>6047</td>
<td>BLOCK LTHFLD parameter invalid</td>
</tr>
<tr>
<td>6048</td>
<td>BLOCK OFFSET parameter invalid</td>
</tr>
<tr>
<td>6049</td>
<td>BLOCK POSTAMBLE parameter invalid</td>
</tr>
<tr>
<td>6050</td>
<td>BLOCK PREAMBLE parameter invalid</td>
</tr>
<tr>
<td>6051</td>
<td>BLOCK LENGTH parameter invalid</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>6052</td>
<td>itext parameter invalid</td>
</tr>
<tr>
<td>6053</td>
<td>otext parameter invalid</td>
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<td>6054</td>
<td>rtext parameter invalid</td>
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<td>rform parameter invalid</td>
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<td>6056</td>
<td>ACCT DEPT parameter invalid</td>
</tr>
<tr>
<td>6057</td>
<td>ACCT USER parameter invalid</td>
</tr>
<tr>
<td>6058</td>
<td>output MODIFY parameter invalid</td>
</tr>
<tr>
<td>6060</td>
<td>System catalog entry invalid</td>
</tr>
<tr>
<td>6061</td>
<td>invalid keyword in system catalog entry</td>
</tr>
<tr>
<td>6062</td>
<td>Incomplete entry in system catalog</td>
</tr>
<tr>
<td>6063</td>
<td>System Catalog backup file cannot be deleted/renamed over</td>
</tr>
<tr>
<td>6066</td>
<td>RPMF Parm entry invalid</td>
</tr>
<tr>
<td>6067</td>
<td>invalid keyword in RPMF Parm entry</td>
</tr>
<tr>
<td>6068</td>
<td>Incomplete entry in RPMF Parm</td>
</tr>
<tr>
<td>6079</td>
<td>PDE cannot be found in current JSL or in system catalog</td>
</tr>
<tr>
<td>6080</td>
<td>PCC Table not found in current JSL or in system catalog</td>
</tr>
<tr>
<td>6081</td>
<td>Default PCC Table not found in current JSL or in system catalog (SYSCTLG.cat)</td>
</tr>
<tr>
<td>6082</td>
<td>Invalid CODE table - not found</td>
</tr>
<tr>
<td>6083</td>
<td>CRITERIA entry not found</td>
</tr>
<tr>
<td>6089</td>
<td>Image header invalid &quot;Interpress&quot; string not found</td>
</tr>
<tr>
<td>6091</td>
<td>Page Interleaved graphic after page transition</td>
</tr>
<tr>
<td>6092</td>
<td>Print Line ignored searching for Page Interleaved graphic after page transition</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>6093</td>
<td>Premature end of file occurred searching for Page Interleaved graphic after page transition</td>
</tr>
<tr>
<td>6100</td>
<td>RPMF parameter keyword unsupported</td>
</tr>
<tr>
<td>6101</td>
<td>XFONT table parameter keyword unsupported</td>
</tr>
<tr>
<td>6102</td>
<td>Invalid orientation in XFONT, PCLFONT statement</td>
</tr>
<tr>
<td>6103</td>
<td>File not a supported Xerox font</td>
</tr>
<tr>
<td>6106</td>
<td>PFONT parameter not found on XFONT statement</td>
</tr>
<tr>
<td>6107</td>
<td>Invalid record length parameter</td>
</tr>
<tr>
<td>6108</td>
<td>Invalid VFU table name</td>
</tr>
<tr>
<td>6109</td>
<td>VFU table is not found</td>
</tr>
<tr>
<td>6110</td>
<td>TCODE table is not found</td>
</tr>
<tr>
<td>6111</td>
<td>Invalid parameters in TCODE statement</td>
</tr>
<tr>
<td>6117</td>
<td>CME parameter is missing</td>
</tr>
<tr>
<td>6129</td>
<td>Font file size is incorrect</td>
</tr>
<tr>
<td>6130</td>
<td>System catalog resource name requires 8 characters or less</td>
</tr>
<tr>
<td>6137</td>
<td>File is too big to keep in storage</td>
</tr>
<tr>
<td>6138</td>
<td>Null pointer passed to fPrintLogoStats</td>
</tr>
<tr>
<td>7003</td>
<td>default font is being substituted</td>
</tr>
<tr>
<td>7006</td>
<td>bad entry in font mapping table file</td>
</tr>
<tr>
<td>7007</td>
<td>bad Type parameter in Symbol Set entry</td>
</tr>
<tr>
<td>7010</td>
<td>font character not in target font symbol set</td>
</tr>
<tr>
<td>7011</td>
<td>Error in PCLFONT command in the Font Table file</td>
</tr>
<tr>
<td>7012</td>
<td>character to be printed does not have a character in the related PCL font set</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>7014</td>
<td>Font point size not specified and font files not available</td>
</tr>
<tr>
<td>7015</td>
<td>Font pitch not specified for FIXED font default substituted</td>
</tr>
<tr>
<td>7016</td>
<td>font file open failed when downloading font</td>
</tr>
<tr>
<td>7019</td>
<td>Command parser has found that a required parameter in a command is missing</td>
</tr>
<tr>
<td>7024</td>
<td>The above error occurred in the following command:</td>
</tr>
<tr>
<td>7025</td>
<td>no messages produced by conversion program</td>
</tr>
<tr>
<td>7026</td>
<td>buffer memory overflowed - being reallocated</td>
</tr>
<tr>
<td>7027</td>
<td>no character available in font to map X'1B' (Escape) into</td>
</tr>
<tr>
<td>7028</td>
<td>attempt to position PCL cursor off page</td>
</tr>
<tr>
<td>7029</td>
<td>Attempt to delete file failed</td>
</tr>
<tr>
<td>7031</td>
<td>Xerox Font not found</td>
</tr>
<tr>
<td>7032</td>
<td>Default font will be substituted, page will probably be incorrect</td>
</tr>
<tr>
<td>7034</td>
<td>Font index offset incorrect, usually means offset longer than record</td>
</tr>
<tr>
<td>7036</td>
<td>Invalid IDR table name</td>
</tr>
<tr>
<td>7037</td>
<td>IDR table is not found</td>
</tr>
<tr>
<td>7038</td>
<td>Ink index offset incorrect, usually means offset longer than record</td>
</tr>
<tr>
<td>7039</td>
<td>Invalid IDFAULT parameter</td>
</tr>
<tr>
<td>7040</td>
<td>Hex 0A or 0B in form DL but no INK font in TL</td>
</tr>
<tr>
<td>7041</td>
<td>Font name in Xerox font header is different than font file name</td>
</tr>
</tbody>
</table>
BMCDAL0679E Xerox error cdpXerox returnCode: messageText

Explanation: This error message is issued under message REP26DW when transforming a Xerox report. The supported returnCode and messageText values are listed in the table Xerox error messages. Transformation stops and ends with an error.

Corrective Action: Correct the error as described in the message.

Xerox error messages

<table>
<thead>
<tr>
<th>Return code</th>
<th>Message text</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>processor long is less than 32 bits</td>
</tr>
<tr>
<td>2</td>
<td>file does not exist</td>
</tr>
<tr>
<td>3</td>
<td>input file in unrecognizable format</td>
</tr>
<tr>
<td>4</td>
<td>error writing output font file</td>
</tr>
<tr>
<td>5</td>
<td>attempt to read beyond end of file</td>
</tr>
<tr>
<td>6</td>
<td>unable to write to file</td>
</tr>
<tr>
<td>7</td>
<td>seek error</td>
</tr>
<tr>
<td>8</td>
<td>heap memory exhausted</td>
</tr>
<tr>
<td>9</td>
<td>Security check failed - added URM013</td>
</tr>
<tr>
<td>10</td>
<td>unable to read from file</td>
</tr>
<tr>
<td>11</td>
<td>bad option in arglist</td>
</tr>
<tr>
<td>12</td>
<td>bad argument count</td>
</tr>
<tr>
<td>18</td>
<td>incomplete PCL command in file</td>
</tr>
<tr>
<td>19</td>
<td>PCL command string too long</td>
</tr>
<tr>
<td>20</td>
<td>pcl font header wrong type</td>
</tr>
<tr>
<td>21</td>
<td>pcl header wrong type</td>
</tr>
<tr>
<td>22</td>
<td>bitmap dimensions out of range</td>
</tr>
<tr>
<td>25</td>
<td>output file size &gt; 64k</td>
</tr>
<tr>
<td>26</td>
<td>system error -- to_canon() function</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------------------------------------------------</td>
</tr>
<tr>
<td>27</td>
<td>8790 font has unsupported orientation</td>
</tr>
<tr>
<td>30</td>
<td>bad interpress header</td>
</tr>
<tr>
<td>31</td>
<td>EOF encountered while trying to parse hdr</td>
</tr>
<tr>
<td>32</td>
<td>scpixels inconsistent in header</td>
</tr>
<tr>
<td>33</td>
<td>at least one IMG parameter is missing</td>
</tr>
<tr>
<td>34</td>
<td>NRange not in 5..8</td>
</tr>
<tr>
<td>35</td>
<td>nscans too large or too small</td>
</tr>
<tr>
<td>36</td>
<td>NRange(%d) not implemented</td>
</tr>
<tr>
<td>37</td>
<td>no Start Of Image code in compressed array</td>
</tr>
<tr>
<td>39</td>
<td>input band buffer too few scans</td>
</tr>
<tr>
<td>42</td>
<td>sys err in pagein</td>
</tr>
<tr>
<td>44</td>
<td>error swapping in inband</td>
</tr>
<tr>
<td>46</td>
<td>invalid scpixels in header</td>
</tr>
<tr>
<td>47</td>
<td>invalid resolution in header</td>
</tr>
<tr>
<td>58</td>
<td>bad decompression</td>
</tr>
<tr>
<td>59</td>
<td>error writing temporary file</td>
</tr>
<tr>
<td>60</td>
<td>error initializing PCL output</td>
</tr>
<tr>
<td>61</td>
<td>error writing PCL output</td>
</tr>
<tr>
<td>62</td>
<td>error finalizing PCL output</td>
</tr>
<tr>
<td>63</td>
<td>no heap to allocate temp buffers</td>
</tr>
<tr>
<td>120</td>
<td>file tell operation returned error</td>
</tr>
<tr>
<td>6000</td>
<td>DJ DE has no END parameter in packet</td>
</tr>
<tr>
<td>6001</td>
<td>DJ DE Keyword missing</td>
</tr>
<tr>
<td><strong>Return code</strong></td>
<td><strong>Message text</strong></td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------</td>
</tr>
<tr>
<td>6002</td>
<td>DJDE Invalid Keyword</td>
</tr>
<tr>
<td>6003</td>
<td>JSL could not be read &amp; processed</td>
</tr>
<tr>
<td>6010</td>
<td>paper size unsupported</td>
</tr>
<tr>
<td>6011</td>
<td>two page-oriented DJDEs found on one logical page - only the first is processed</td>
</tr>
<tr>
<td>6012</td>
<td>Internal error occurred - see description</td>
</tr>
<tr>
<td>6014</td>
<td>bad Criteria parameter in JSL</td>
</tr>
<tr>
<td>6015</td>
<td>invalid parameter on TABLE statement in JSL</td>
</tr>
<tr>
<td>6016</td>
<td>invalid RSTACK statement in JSL</td>
</tr>
<tr>
<td>6017</td>
<td>invalid RPAGE statement in JSL</td>
</tr>
<tr>
<td>6018</td>
<td>invalid ROFFSET statement in JSL</td>
</tr>
<tr>
<td>6019</td>
<td>invalid RSUSPEND statement in JSL</td>
</tr>
<tr>
<td>6020</td>
<td>invalid RRESUME statement in JSL</td>
</tr>
<tr>
<td>6021</td>
<td>invalid BANNER statement in JSL</td>
</tr>
<tr>
<td>6022</td>
<td>Error in IMAGE DJDE</td>
</tr>
<tr>
<td>6023</td>
<td>Error in GRAPHIC DJDE</td>
</tr>
<tr>
<td>6024</td>
<td>error reading form file - probably not found</td>
</tr>
<tr>
<td>6043</td>
<td>RECORD CONSTANT parameter invalid</td>
</tr>
<tr>
<td>6044</td>
<td>BLOCK CONSTANT parameter invalid</td>
</tr>
<tr>
<td>6059</td>
<td>System Catalog error</td>
</tr>
<tr>
<td>6064</td>
<td>I/O error on input file</td>
</tr>
<tr>
<td>6065</td>
<td>RPMF Parm error</td>
</tr>
<tr>
<td>6069</td>
<td>error in user font table</td>
</tr>
<tr>
<td>6070</td>
<td>fontindex invalid, default font substituted</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>6071</td>
<td>font name in JSL, DJ DE or RPMF is invalid, probably too long</td>
</tr>
<tr>
<td>6072</td>
<td>Pagesize in RPMF parameter is invalid</td>
</tr>
<tr>
<td>6073</td>
<td>RPMF MARGIN parameter invalid</td>
</tr>
<tr>
<td>6074</td>
<td>FILE Processing Error - Cannot open destination file</td>
</tr>
<tr>
<td>6075</td>
<td>INCLUDE cannot find CATALOG jsl statements</td>
</tr>
<tr>
<td>6076</td>
<td>INCLUDE name invalid (too long)</td>
</tr>
<tr>
<td>6077</td>
<td>ONLINE IMAGE data record does not have correct terminating character</td>
</tr>
<tr>
<td>6078</td>
<td>font number invalid - out of range of current font list</td>
</tr>
<tr>
<td>6084</td>
<td>syntax error encountered in scan for keyword</td>
</tr>
<tr>
<td>6085</td>
<td>TEST Criteria parameter invalid</td>
</tr>
<tr>
<td>6086</td>
<td>invalid ASSIGN parameter on PCC statement</td>
</tr>
<tr>
<td>6087</td>
<td>Repeat count in text string invalid</td>
</tr>
<tr>
<td>6088</td>
<td>CME in Invalid sequence at line %u Column %d</td>
</tr>
<tr>
<td>6090</td>
<td>IMAGE file missing - open failed</td>
</tr>
<tr>
<td>6094</td>
<td>Document interleaved graphic was not found, defaulting to Random mode graphic</td>
</tr>
<tr>
<td>6104</td>
<td>Converted font file is not found</td>
</tr>
<tr>
<td>6105</td>
<td>Converted font file could not be opened</td>
</tr>
<tr>
<td>6112</td>
<td>Required constant in TABLE command has been missing</td>
</tr>
<tr>
<td>6113</td>
<td>Invalid DJ DE SIDE parameter</td>
</tr>
<tr>
<td>6114</td>
<td>Previous image is incomplete</td>
</tr>
<tr>
<td>6115</td>
<td>Invalid DJ DE BATCH parameter</td>
</tr>
<tr>
<td>6116</td>
<td>DJ DE CANCEL of non-active GRAPHIC failed</td>
</tr>
<tr>
<td>Return code</td>
<td>Message text</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>6118</td>
<td>Label record invalid</td>
</tr>
<tr>
<td>6119</td>
<td>File is being processed</td>
</tr>
<tr>
<td>6120</td>
<td>Excess card writing</td>
</tr>
<tr>
<td>6121</td>
<td>Card images is not supported</td>
</tr>
<tr>
<td>6122</td>
<td>File pointer can not be NULL</td>
</tr>
<tr>
<td>6123</td>
<td>Image control block is not available for header</td>
</tr>
<tr>
<td>6124</td>
<td>Unable to open image output file</td>
</tr>
<tr>
<td>6125</td>
<td>Invalid image header</td>
</tr>
<tr>
<td>6126</td>
<td>Input/output error writing image file</td>
</tr>
<tr>
<td>6127</td>
<td>Document interleave image could not be found</td>
</tr>
<tr>
<td>6128</td>
<td>Premature end of file occurred reading image file</td>
</tr>
<tr>
<td>6131</td>
<td>CME constant font is not in font list default</td>
</tr>
<tr>
<td>6132</td>
<td>Image file could not be open</td>
</tr>
<tr>
<td>6133</td>
<td>I/O error writing DJ DE to output metacode file</td>
</tr>
<tr>
<td>6134</td>
<td>I/O error writing RSTACK to output metacode file</td>
</tr>
<tr>
<td>6135</td>
<td>Memory overwrite for buffer</td>
</tr>
<tr>
<td>6136</td>
<td>Count negative memory deallocation error-buffer</td>
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<tr>
<td>7001</td>
<td>Image Conversion failed</td>
</tr>
<tr>
<td>7002</td>
<td>FNT/LGO Conversion failed</td>
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<td>7004</td>
<td>I/O error writing to output file</td>
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<td>7005</td>
<td>bad header in PCL font file</td>
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<td>7008</td>
<td>bad parameter in symbol set command</td>
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<tr>
<td>7009</td>
<td>bad value in Unicode FORMAT A record</td>
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<tr>
<td>Return code</td>
<td>Message text</td>
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<tr>
<td>-------------</td>
<td>--------------</td>
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<tr>
<td>7013</td>
<td>unable to get JFCB for infile on MVS</td>
</tr>
<tr>
<td>7017</td>
<td>statistics keyword in configuration file has invalid value</td>
</tr>
<tr>
<td>7018</td>
<td>statistics file could not be opened</td>
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<tr>
<td>7020</td>
<td>error occurred in memory management - buffer or pool not found during free</td>
</tr>
<tr>
<td>7021</td>
<td>Display Field Descriptor block contained invalid character type</td>
</tr>
<tr>
<td>7022</td>
<td>internal error DFD/TLDL buffer chain missing</td>
</tr>
<tr>
<td>7023</td>
<td>error encountered performing a file seek</td>
</tr>
<tr>
<td>7030</td>
<td>Unable to add font control table entry</td>
</tr>
<tr>
<td>7033</td>
<td>Xerox FORM missing</td>
</tr>
<tr>
<td>7035</td>
<td>Color name in ILIST is too long</td>
</tr>
</tbody>
</table>