# INCONTROL *for z/OS* Messages Manual: CTO - F

Supporting

Version 6.3.07 of CONTROL-D
Version 6.3.07 of CONTROL-D/Image
Version 6.3.07 of CONTROL-D/Page on Demand
Version 6.3.07 of CONTROL-M *for z/OS*
Version 6.3.07 of CONTROL-M/Analyzer
Version 6.3.07 of CONTROL-M/Assist
Version 6.3.07 of CONTROL-M/Links *for z/OS*
Version 6.3.07 of CONTROL-M/Restart
Version 6.3.07 of CONTROL-M/Tape
Version 6.3.07 of CONTROL-O
Version 6.3.07 of CONTROL-V

June 2010

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You can access the BMC Software website at http://www.bmc.com. From this website, you can obtain information about the company, its products, corporate offices, special events, and career opportunities.

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# Customer support

## Support website

You can obtain technical support from BMC 24 hours a day, 7 days a week at http://www.bmc.com/support. From this website, you can

- read overviews about support services and programs that BMC offers
- find the most current information about BMC products
- search a database for problems similar to yours and possible solutions
- order or download product documentation
- download products and maintenance
- report a problem or ask a question
- subscribe to receive proactive e-mail alerts
- find worldwide BMC support center locations and contact information, including e-mail addresses, fax numbers, and telephone numbers

## Support by telephone or e-mail

In the United States and Canada, if you need technical support and do not have access to the web, call 800 537 1813 or send an e-mail message to customer_support@bmc.com. (In the subject line, enter **SupID:*yourSupportContractID***, such as SupID:12345). Outside the United States and Canada, contact your local support center for assistance.

## 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 problem
- 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

## License key and password information

If you have questions about your license key or password, contact BMC as appropriate for your location:

- *(USA or Canada)* Contact the Order Services Password Team at 1 800 841 2031, or send an e-mail message to ContractsPasswordAdministration@bmc.com.
- *(Europe, the Middle East, and Africa)* Fax your questions to EMEA Contracts Administration at +31 20 354 8702, or send an e-mail message to password@bmc.com.
- *(Asia-Pacific)* Contact your BMC sales representative or your local BMC office.

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# About this book

This book contains detailed product information and is intended for system administrators and database administrators (DBAs).

Like most BMC documentation, this book is available in printed and online formats. To request printed books or to view online books and notices (such as release notes and technical bulletins), see the Customer Support website at http://www.bmc.com/support_home. Most product shipments also include the books on a documentation CD.

***Note***

Online books are formatted as PDF or HTML files. To view, print, or copy PDF books, use the free Adobe Reader from Adobe Systems. If your product installation does not install the reader, you can obtain the reader at http://www.adobe.com.

The software also offers online Help. To access Help, press **F1** within any product or click the **Help** button in graphical user interfaces (GUIs).

# Conventions

This document uses the following special conventions:

- `All syntax, operating system terms, and literal examples are presented in this typeface.`
- Variable text in path names, system messages, or syntax is displayed in italic text:

  **testsys/instance/*fileName***
- This document uses a symbol to show menu sequences. For example, **Actions => Create Test** instructs you to choose the **Create Test** command from the **Actions** menu.

# Syntax statements

This topic explains conventions for showing syntax statements.

A sample statement follows:

```
COMMAND KEYWORD1 [KEYWORD2 | KEYWORD3] KEYWORD4={YES | NO} fileName...
```

| Convention | Example |
|---|---|
| Items in italic type represent variables that you must replace with a name or value. If a variable is represented by two or more words, initial capitals distinguish the second and subsequent words. | *alias*<br>*databaseDirectory*<br>*serverHostName* |
| Brackets indicate a group of optional items. Do not type the brackets when you enter the option. A comma means that you can choose one or more of the listed options. You must use a comma to separate the options if you choose more than one option. | [*tableName*, *columnName*, *field*]<br>[-full, -incremental, -level] (UNIX) |
| Braces indicate that at least one of the enclosed items is required. Do not type the braces when you enter the item. | {*DBDName* \| *tableName*}<br>UNLOAD device={disk \| tape, *fileName* \| *deviceName*}<br>{-a \| -c} (UNIX) |
| A vertical bar means that you can choose only one of the listed items. In the example, you would choose either commit or cancel. | {commit \| cancel}<br>{-commit \| -cancel} (UNIX) |
| An ellipsis indicates that you can repeat the previous item or items as many times as necessary. | *columnName*... |

# CTO

This group includes messages for the CONTROL-O product.

## Messages CTO0 through CTO0xx

This group includes messages for the CONTROL-O product.

**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.

*User response:* 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.

*User response:* 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** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO10AI** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 *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 the CMEM monitor will “wake up” every *nn*seconds and check on time-related events.

*User response:* 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 *INCONTROL for z/OS Administrator Guide*.

*User response:* No action is required.

**CTO124W** **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.

*User response:* Correct the value of *parmName*in CTOPARM. If required, stop and restart the CONTROL-O monitor.

**CTO125I** ***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.

*User response:* No action is required.

**CTO126W** **LOAD OF MODULE CTMDEST 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO130I** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Call you 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

| Return Code ( *rc*) | Reason Code ( *rsn*) | Explanation |
|---|---|---|
| 04 | GETMAIN or FREEMAIN error | |
| | 1 through 6 | GETMAIN failure |
| | 7 through 10 | FREEMAIN failure |
| 08 | Variable not found | |
| | 13 | Variable not found and RESOLVE flag is on. |
| | 36 | %%$COMMSYS value length error. |
| | 68 | %%$TIMEINT first argument is not a valid date. |
| | 69 | %%$TIMEINT second argument is not a valid date. |
| | 74 | %%$X2C argument length is greater than 4. |
| | 88 | %%$DOLIMIT first argument is not numeric. |
| | 89 | %%$RULE functions argument is out of rule stack. |
| | 90 | %%$RULE functions argument is not numeric. |
| | 98 | Global variable pool not found. |
| | 980 | Internal error - global pool or database not found |
| | 982 | Internal error - global pool or database not found |

| Return Code ( *rc*) | Reason Code ( *rsn*) | Explanation |
|---|---|---|
| 12 | Syntax error or general error | |
| | 11 | Empty SET command. |
| | 15 | Empty IF command. |
| | 21 | %% not found in SET command. |
| | 22 | Separator not found after %%. |
| | 23 | '=' not found in SET command. |
| | 24 | %%$TIMEOUT value not numeric. |
| | 25 | %%$RESPMSG or %%$TIMEOUT - invalid parentheses. |
| | 26 | %%$RESPMSG or %%$TIMEOUT - too many values. |
| | 27 | %%$WAITKSL or %%$TSO or %%$CMD - invalid value (not YES/NO). |
| | 28 | %%$TIMEOUT - value too large. |
| | 29 | %%$'STATID value length error. |
| | 30 | %%$AUTOLOG value length error. |
| | 37 | %%$AUTOSYS value length error. |
| | 41 | Function arguments not separated. |
| | 42 | Too few function arguments. |
| | 45 | CTMLINE# PARAMETER NOT NUMERIC when trying to set %%$CTMLINE# to a non-numeric value. |
| | 46 | CTMLINE# > CTMLINES when trying to set %%$CTMLINE# to a value greater than %%$CTMLINES. |
| | 47 | CTMLINE# < 0 when trying to set %%$CTMLINE# to a value less than 0. |
| | 52 | %%$SUBSTR 2nd argument not numeric. |
| | 53 | %%$SUBSTR 3rd argument not numeric. |

| Return Code ( *rc*) | Reason Code ( *rsn*) | Explanation |
|---|---|---|
| | 54 | %%$SUBSTR 2nd argument out of range. |
| | 55 | %%$SUBSTR 3rd argument out of range. |
| | 56 | %%$RESOLVE argument not recognized. |
| | 57 | %%$RANGE 1st argument not numeric. |
| | 58 | %%$RANGE 2nd argument not numeric. |
| | 59 | %%$RANGE 1st argument out of range. |
| | 60 | %%$RANGE 2nd argument out of range. |
| | 61 | %%$RANGE is too narrow. |
| | 62 | %%$CALCDATE 1st argument not in valid format. |
| | 63 | %%$CALCDATE 2nd argument not in valid format. |
| | 64 | %%$TIMEINT 1st argument is not 11 digits in length. |
| | 65 | %%$TIMEINT 1st argument is not numeric. |
| | 66 | %%$TIMEINT 2nd argument is not 11 digits. |
| | 67 | %%$TIMEINT 2nd argument is not numeric. |
| | 71 | More than one operator in one line. |
| | 72 | Less than two operands for an operator. |
| | 73 | More than two operands for an operator. |
| | 75 | %%$D2X argument length is greater than 10. |
| | 76 | %%$D2X argument is not numeric. |

| Return Code ( *rc*) | Reason Code ( *rsn*) | Explanation |
|---|---|---|
| | 77 | %%$D2X argument number is greater than 2147483647 (2G). |
| | 78 | %%$X2D argument length is greater than 8. |
| | 79 | %%$X2D argument has an invalid character. |
| | 81 | First operand in arithmetic operation is not numeric. |
| | 82 | Second operand in arithmetic operation is not numeric. |
| | 83 | %%$DIV 2nd operand is 0. |
| | 84 | First operand is greater than 2G. |
| | 85 | Second operand is greater than 2G. |
| | 86 | Result of %%$PLUS case overflow. |
| | 87 | Result of %%$MINUS case overflow. |
| | 91 | Logical operand not numeric. |
| | 92 | Numeric logical operand out of range. |
| | 93 | Invalid logical operator. |
| | 94 | Logical atomic expression expected but not found. |
| | 95 | Unbalanced parentheses in logical expression. |
| | 96 | Too many nested parentheses in logical expression. |
| | 97 | Unbalanced quotes. |
| | 99 | %%$GLOBAL value length error. |
| 16 | Errors reading the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |
| | 24 | Logical record length is not 80. |

| Return Code ( *rc*) | Reason Code ( *rsn*) | Explanation |
|---|---|---|
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 20 | Errors writing the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |
| | 24 | Logical record length is not 80. |
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 24 | Program buffers shortage | |
| | 12 | Not enough space in RSL buffer. |
| | 32 | Not enough space in VCB for name and value. Variable name and data are too long. |
| | 43 | Arguments too long (ARG buffer overflow). |
| 32 | Program errors | |
| | 100 | No last non-blank for non-blank value in SET command. |
| | 101 | No succeeding RSL for adjoining variables. |
| | 102 | Problems in PUTVAR while initiating. |

| Return Code ( *rc*) | Reason Code ( *rsn*) | Explanation |
|---|---|---|
| | 103 | Too many arguments requested from PARSARGS. |
| | 104 | Problems calculating weekday. |
| | 105 | Invalid SET system variable. |
| | 106 | No local anchor was passed. |
| | 107 | No global anchor was passed. |
| | 109 | No MCT or SWT present in %% $IPLDATE for date formatting WO0816*. |
| 36, 40, and 44 | Global variables errors | |
| | 04 | Empty chain. |
| | 08 | End of chain. |
| | 12 | PNXH header error. |
| | 16 | PLBH header error. |
| | 20 | CTMMSK mash error, RC from IS is > 4. |
| | 24 | Pool is protected. |
| | 32 | Unable to get XAE information. |
| | 33 | Machine is not participating on XAE. |
| | 34 | Attempt made to set an XAE type 1 database variable in another system image. |
| | 98 | Pool not found. |
| | 107 | No global anchor was passed. Program error. |
| | 108 | Field not defined in database. |
| | 109 | Requested row is out of range. |
| 48 | Parse errors | |
| | 08 | Invalid type. |
| | 12 | Place holder error. |
| | 16 | Position specification too long. |
| | 20 | Non numeric. |

| Return Code ( *rc*) | Reason Code ( *rsn*) | Explanation |
|---|---|---|
| | 24 | Position null. |
| | 28 | Invalid variable. Specified variable is greater than 256, or the variable name is too long. |
| | 32 | String error. |
| | 36 | Invalid TPE type. |
| | 40 | Section vector overflow. |
| | 44 | Variable buffer overflow. |
| | 107 | No global anchor was passed. |

### 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.

*User response:* 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 commandIf 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* None, unless immediate termination is required. If immediate termination is required, reply FORCE.

See *System action*for considerations before replying FORCE.

**CTO14EW** ***monitor*INITALIZATION 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 startedRQC 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 startedPND blocks store information about rules that are in Wait mode, meaning rules that are in execution and waiting to be redispatched. 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 startedThis 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*.

*User response:* 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.

*User response:* 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 relateValid 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 redispatched. 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

*User response:* 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 redispatched. 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 commandThe 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*.

*User response:* Reissue the command in a valid format.

**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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO163I** ***cmdName*COMMAND COMPLETED**

*Explanation:* This information message indicates the successful completion of a CONTROL-O ORDER, FORCE, DELETE, READGLOBAL, or WRITEGLOBAL command.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 IOACLCND 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO185S** **CONTROL-O STATISTICS INITIALIZATION ERROR**

*Explanation:* CONTROL-O Statistics Facility did not initialize successfully.

Statistics accumulation is not performed.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

### 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.

*User response:* 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.

### CTO205S ERROR ALLOCATING THE MONITOR-TO-SUBSYSTEM COMMUNICATION DATASE

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 *req* FAILED: 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.
- WRITEL, IXGWRITE - Write a log stream log block.
- BRWSEL, 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 O2TTSOCM,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.

*User response:* 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.

*User response:* 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.

*User response:* 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 RUNTSEC parameter.

The DO COMMAND statement is ignored and the rule continues execution.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**CTO21AE** **M2S FILE IS OF ANOTHER INSTALLATION QNAME *qname*1. 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.

*User response:* 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).

**CTO21BE** **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.

*User response:* 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*.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 tries to allocate

an EMCS CONSOLE in order to issue a command or message. However, the attempt failed.

CONTROL-O ignores the console.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**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.

*User response:* 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.

*User response:* 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.

*User response:* Add the following DD statement to the CONTROL-O procedure (CTOTROLO) and the CMEM procedure (CTMCMEM):

```
//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:

| Return Code | Explanation |
|---|---|
| 4 | MVS not running under VM. |
| 8 | Insufficient space (GETMAIN failed). |
| 12 | IOAVMC not APF authorized. |
| 16 | FREEMAIN error. |

The specified command is ignored.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO271I** ***text***

*Explanation:* Ignore this message. It is an internal message used by the CTOJFRQ CONTROL-O IEFJFRQ exit module to trigger a SYSOUT event. The text may include unprintable characters.

*User response:* No action is required.

**CTO272I** **CTOJFRQ 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 IEFJFRQ, which uses the CTOJFRQ module. CONTROL-O uses the CTOJFRQ module for ON SYSOUT and/or JES2 command suppression function.

*User response:* No action is required.

**CTO273W** **CTOJFRQ EXIT POINT NOT REMOVED RC = *rc* REASON CODE = *rsn***

*Explanation:* Upon termination, the CONTROL-O monitor failed to disable and remove dynamic the exit IEFJFRQ that uses the CTOJFRQ module. This exit should have been disabled and removed upon monitor termination. CONTROL-

O uses the CTOJFRQ module for ON SYSOUT and/or JES2 command suppression function.

CONTROL-O terminates without removing the dynamic exit IEFJFRQ that uses the CTOJFRQ module. This may cause an S0C4 code in various jobs under the subsystem interface. In this case, MVS automatically disables the dynamic exit IEFJFRQ that uses the CTOJFRQ module.

*User response:* 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 CTOJFRQ EXIT POINT**

*Explanation:* When CONTROL-O monitor started, it failed to load and enable the IEFJFRQ dynamic exit, which uses the CTOJFRQ module. This exit should have been loaded at monitor startup. CONTROL-O uses the CTOJFRQ module for ON SYSOUT and JES2 command suppression function.

CONTROL-O starts without enabling the IEFJFRQ dynamic exit that uses the CTOJFRQ module. As a result, ON SYSOUT and JES2 command suppression functions will not be active.

*User response:* Inform your system programmer.

**CTO275E** **CTOJFRQ 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 IEFJFRQ that uses the CTOJFRQ module. This exit should have been loaded and activated at monitor startup. CONTROL-O uses the CTOJFRQ module for ON SYSOUT and/or JES2 command suppression function.

CONTROL-O starts without enabling the dynamic exit IEFJFRQ that uses the CTOJFRQ module. Therefore, ON SYSOUT and/or JES2 command suppression functions will not be active.

*User response:* 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** **CTOJFRQ EXIT POINT SUCCESSFULLY INSTALLED**

*Explanation:* This information message indicates that when the CONTROL-O monitor started, it successfully enabled the dynamic exit IEFJFRQ that uses the CTOJFRQ module. CONTROL-O uses the CTOJFRQ module for ON SYSOUT and/or JES2 command suppression function.

*User response:* No action is required.

**CTO281I** ***usr msg***

*Explanation:* This information message displays the message issued from a CONTROL-O rule.

*User response:* 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.

*User response:* 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.

*User response:* 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 THRSHOLD parameter in the CONTROL section of the CTOPARM member in the IOA PARM library.

The rule is suspended.

*User response:* 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.

*User response:* Inform BMC Software Customer Support.

**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.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

The availability of WSC blocks is essential for the monitor to be able to process system events.

When the shortage of WSC blocks is relieved, the CTO2A7I message is displayed.

Both this message and the CTO2A7I message are highlighted, but if another WSC shortage is detected later, the messages relating to the preceding shortage are 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 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.

*User response:* 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. The shortage has now been relieved for at least five seconds.

Both this message and the CTO2A6S message are highlighted, but if another WSC shortage is detected later, the messages relating to the preceding shortage are 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.

*User response:* Contact your INCONTROL administrator.

### CTO2A9W EVENT LOST FOR MONITOR *mon* (*subsys*) DUE TO 100% WSC USAGE

*Explanation:* A system event 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 event (as indicated by the display of the CTOA6S message), the event was ignored by the CONTROL-O or CMEM monitor.

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 and CTO2A7I messages and the description of the USAGESTATS command in the *INCONTROL for z/OS Administrator Guide*.

The event is ignored, and future events may also be ignored until the shortage of WSC blocks is relieved.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Record the reason, and have your system programmer call BMC Software Customer Support.

**CTO303S** **{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.

*User response:* 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.

*User response:* Contact your INCONTROL administrator.

**CTO305S** **{CONTROL-O | CTMCMEM} 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* If you cannot determine the reason for this I/O error (for example, a disk failure), contact BMC Software Customer Support.

**CTO345S** **ERROR EXECUTING RDJFCB**

*Explanation:* The CTODVL program received a non-zero return code from system service RDJFCB. The CTODVL program failed to read the JFCB of the dynamically allocated Automation Log file.

Action fails. The Automation Log file is not accessed.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**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.

- *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

*User response:* 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.

*User response:* 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*.

*User response:* No action is required.

**CTO356I** ***modifyCmdText***

*Explanation:* This information message displays the text of the submitted modify command.

*User response:* No action is required.

**CTO357I** **COMMAND ENDED SUCCESSFULLY**

*Explanation:* This information message indicates that the last modify command ended successfully.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 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 programs ends with a return code of 08.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**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.

*User response:* Specify a volume and resubmit the job.

**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.

*User response:* 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.

*User response:* 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.

*User response:* Wait for the system-managed process to end and reissue the RELOAD command.

**CTO370I** **COPY OF CONTROL-O AUTOMATION LOG STARTED**

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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO411E** **INVALID PARAMETERS: parms**

*Explanation:* The CTODFG program detected invalid parameters.

The program terminates with a return code of 08.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* See the preceding message.

### CTO419I ALLOCATION OF GLOBAL AUTOEDIT ENDED

*Explanation:* This information message indicates that the CTODFG program successfully allocated the Global library.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO426I** **CTOCPS ENDED**

*Explanation:* This information message indicates that the CTOCPS program has successfully completed compressing the Global AutoEdit library.

*User response:* 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.

*User response:* If your system programmer can not resolved 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

The LOADGLOBAL/ WRITEGLOBAL command is ignored.

*User response:*

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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Send all the CONTROL-O sysout 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Check the definition of the pool in the DAGLBLST member and correct the definition if necessary.

**CTO453S** **INTERNAL ERROR HANDLING PNX BLOCKS**

*Explanation:* This message indicates an internal error.

*User response:* 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.

*User response:*

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. (HIDDEN TEXT - same as API565E, CTO565E, XAM565E, and table used elsewhere also, inc. CTO145S, MTO145S)

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| 04 | GETMAIN or FREEMAIN error | |
| | 1 through 6 | GETMAIN failure |
| | 7 through 10 | FREEMAIN failure |
| 08 | Variable not found | |
| | 13 | Variable not found and RESOLVE flag is on. |
| | 36 | %%$COMMSYS value length error. |
| | 68 | %%$TIMEINT first argument is not a valid date. |
| | 69 | %%$TIMEINT second argument is not a valid date. |
| | 74 | %%$X2C argument length is greater than 4. |
| | 88 | %%$DOLIMIT first argument is not numeric. |
| | 89 | %%$RULE functions argument is out of rule stack. |
| | 90 | %%$RULE functions argument is not numeric. |
| | 98 | Global variable pool not found. |
| | 980 | Internal error - global pool or database not found |
| | 982 | Internal error - global pool or database not found |
| 12 | Syntax error or general error | |
| | 11 | Empty SET command. |
| | 15 | Empty IF command. |
| | 21 | %% not found in SET command. |
| | 22 | Separator not found after %%. |
| | 23 | ‘=’ not found in SET command. |
| | 24 | %%$TIMEOUT value not numeric. |
| | 25 | %%$RESPMSG or %%$TIMEOUT - invalid parentheses. |
| | 26 | %%$RESPMSG or %%$TIMEOUT - too many values. |
| | 27 | %%$WAITKSL or %%$TSO or %%$CMD - invalid value (not YES/NO). |
| | 28 | %%$TIMEOUT - value too large. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 29 | %%$'STATID value length error. |
| | 30 | %%$AUTOLOG value length error. |
| | 37 | %%$AUTOSYS value length error. |
| | 41 | Function arguments not separated. |
| | 42 | Too few function arguments. |
| | 45 | CTMLINE# PARAMETER NOT NUMERIC when trying to set %%$CTMLINE# to a non-numeric value. |
| | 46 | CTMLINE# > CTMLINES when trying to set %%$CTMLINE# to a value greater than %%$CTMLINES. |
| | 47 | CTMLINE# < 0 when trying to set %%$CTMLINE# to a value less than 0. |
| | 52 | %%$SUBSTR 2nd argument not numeric. |
| | 53 | %%$SUBSTR 3rd argument not numeric. |
| | 54 | %%$SUBSTR 2nd argument out of range. |
| | 55 | %%$SUBSTR 3rd argument out of range. |
| | 56 | %%$RESOLVE argument not recognized. |
| | 57 | %%$RANGE 1st argument not numeric. |
| | 58 | %%$RANGE 2nd argument not numeric. |
| | 59 | %%$RANGE 1st argument out of range. |
| | 60 | %%$RANGE 2nd argument out of range. |
| | 61 | %%$RANGE is too narrow. |
| | 62 | %%$CALCDATE 1st argument not in valid format. |
| | 63 | %%$CALCDATE 2nd argument not in valid format. |
| | 64 | %%$TIMEINT 1st argument is not 11 digits in length. |
| | 65 | %%$TIMEINT 1st argument is not numeric. |
| | 66 | %%$TIMEINT 2nd argument is not 11 digits. |
| | 67 | %%$TIMEINT 2nd argument is not numeric. |
| | 71 | More than one operator in one line. |
| | 72 | Less than two operands for an operator. |
| | 73 | More than two operands for an operator. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 75 | %%$D2X argument length is greater than 10. |
| | 76 | %%$D2X argument is not numeric. |
| | 77 | %%$D2X argument number is greater than 2147483647 (2G). |
| | 78 | %%$X2D argument length is greater than 8. |
| | 79 | %%$X2D argument has an invalid character. |
| | 81 | First operand in arithmetic operation is not numeric. |
| | 82 | Second operand in arithmetic operation is not numeric. |
| | 83 | %%$DIV 2nd operand is 0. |
| | 84 | First operand is greater than 2G. |
| | 85 | Second operand is greater than 2G. |
| | 86 | Result of %%$PLUS case overflow. |
| | 87 | Result of %%$MINUS case overflow. |
| | 91 | Logical operand not numeric. |
| | 92 | Numeric logical operand out of range. |
| | 93 | Invalid logical operator. |
| | 94 | Logical atomic expression expected but not found. |
| | 95 | Unbalanced parentheses in logical expression. |
| | 96 | Too many nested parentheses in logical expression. |
| | 97 | Unbalanced quotes. |
| | 99 | %%$GLOBAL value length error. |
| 16 | Errors reading the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |
| | 24 | Logical record length is not 80. |
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 20 | Errors writing the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |
| | 24 | Logical record length is not 80. |
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 24 | Program buffers shortage | |
| | 12 | Not enough space in RSL buffer. |
| | 32 | Not enough space in VCB for name and value. Variable name and data are too long. |
| | 43 | Arguments too long (ARG buffer overflow). |
| 32 | Program errors | |
| | 100 | No last non-blank for non-blank value in SET command. |
| | 101 | No succeeding RSL for adjoining variables. |
| | 102 | Problems in PUTVAR while initiating. |
| | 103 | Too many arguments requested from PARSARGS. |
| | 104 | Problems calculating weekday. |
| | 105 | Invalid SET system variable. |
| | 106 | No local anchor was passed. |
| | 107 | No global anchor was passed. |
| | 109 | No MCT or SWT present in %%$IPLDATE for date formatting WO0816*. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| 36, 40, and 44 | Global variables errors | |
| | 04 | Empty chain. |
| | 08 | End of chain. |
| | 12 | PNXH header error. |
| | 16 | PLBH header error. |
| | 20 | CTMMSK mash error, RC from IS is > 4. |
| | 24 | Pool is protected. |
| | 32 | Unable to get XAE information. |
| | 33 | Machine is not participating on XAE. |
| | 34 | Attempt made to set an XAE type 1 database variable in another system image. |
| | 98 | Pool not found. |
| | 107 | No global anchor was passed. Program error. |
| | 108 | Field not defined in database. |
| | 109 | Requested row is out of range. |
| 48 | Parse errors | |
| | 08 | Invalid type. |
| | 12 | Place holder error. |
| | 16 | Position specification too long. |
| | 20 | Non numeric. |
| | 24 | Position null. |
| | 28 | Invalid variable. Specified variable is greater than 256, or the variable name is too long. |
| | 32 | String error. |
| | 36 | Invalid TPE type. |
| | 40 | Section vector overflow. |
| | 44 | Variable buffer overflow. |
| | 107 | No global anchor was passed. |

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 the 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the record and LOADGLOBAL or WRITEGLOBAL as necessary.

# 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.

*User response:* 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.

*User response:* No action is required.

**CTO501S** **OPEN FAILED FOR DDNAME CMDMSGFL**

*Explanation:* The attempt to open input file CMDMSGFL failed.

Possible causes are:

- The CMDMSGLF DD statement is misspelled.
- The data set (member) referenced by the CMDMSGFL DD statement does not exist.

CTOTEST execution terminates.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Determine why there is insufficient space, and correct the problem accordingly.

**CTO563E** **IOA 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.

*User response:* 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.

*User response:* 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:

| Error Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| 04 | GETMAIN or FREEMAIN error | |
| | 1 through 6 | GETMAIN failure |
| | 7 through 10 | FREEMAIN failure |
| 08 | Variable not found | |
| | 13 | Variable not found and RESOLVE flag is on. |
| | 36 | %%$COMMSYS value length error. |
| | 68 | %%$TIMEINT first argument is not a valid date. |
| | 69 | %%$TIMEINT second argument is not a valid date. |
| | 74 | %%$X2C argument length is greater than 4. |
| | 88 | %%$DOLIMIT first argument is not numeric. |
| | 89 | %%$RULE functions argument is out of rule stack. |
| | 90 | %%$RULE functions argument is not numeric. |
| | 98 | Global variable pool not found. |

| Error Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 980 | Internal error - global pool or database not found |
| | 982 | Internal error - global pool or database not found |
| 12 | Syntax error or general error | |
| | 11 | Empty SET command. |
| | 15 | Empty IF command. |
| | 21 | %% not found in SET command. |
| | 22 | Separator not found after %%. |
| | 23 | '=' not found in SET command. |
| | 24 | %%$TIMEOUT value not numeric. |
| | 25 | %%$RESPMSG or %%$TIMEOUT - invalid parentheses. |
| | 26 | %%$RESPMSG or %%$TIMEOUT - too many values. |
| | 27 | %%$WAITKSL or %%$TSO or %%$CMD - invalid value (not YES/NO). |
| | 28 | %%$TIMEOUT - value too large. |
| | 29 | %%$STATID value length error. |
| | 30 | %%$AUTOLOG value length error. |
| | 37 | %%$AUTOSYS value length error. |
| | 41 | Function arguments not separated. |
| | 42 | Too few function arguments. |
| | 45 | CTMLINE# PARAMETER NOT NUMERIC when trying to set %%$CTMLINE# to a non-numeric value. |
| | 46 | CTMLINE# > CTMLINES when trying to set %%$CTMLINE# to a value greater than %%$CTMLINES. |
| | 47 | CTMLINE# < 0 when trying to set %%CTMLINE# to a value less than 0. |
| | 52 | %%$SUBSTR 2nd argument not numeric. |
| | 53 | %%$SUBSTR 3rd argument not numeric. |
| | 54 | %%$SUBSTR 2nd argument out of range. |
| | 55 | %%$SUBSTR 3rd argument out of range. |
| | 56 | %%$RESOLVE argument not recognized. |

| Error Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 57 | %%$RANGE 1st argument not numeric. |
| | 58 | %%$RANGE 2nd argument not numeric. |
| | 59 | %%$RANGE 1st argument out of range. |
| | 60 | %%$RANGE 2nd argument out of range. |
| | 61 | %%$RANGE is too narrow. |
| | 62 | %%$CALCDATE 1st argument not in valid format. |
| | 63 | %%$CALCDATE 2nd argument not in valid format. |
| | 64 | %%$TIMEINT 1st argument is not 11 digits in length. |
| | 65 | %%$TIMEINT 1st argument is not numeric. |
| | 66 | %%$TIMEINT 2nd argument is not 11 digits. |
| | 67 | %%$TIMEINT 2nd argument is not numeric. |
| | 71 | More than one operator in one line. |
| | 72 | Less than two operands for an operator. |
| | 73 | More than two operands for an operator. |
| | 75 | %%$D2X argument length is greater than 10. |
| | 76 | %%$D2X argument is not numeric. |
| | 77 | %%$D2X argument number is greater than 2147483647 (2G). |
| | 78 | %%$X2D argument length is greater than 8. |
| | 79 | %%$X2D argument has an invalid character. |
| | 81 | First operand in arithmetic operation is not numeric. |
| | 82 | Second operand in arithmetic operation is not numeric. |
| | 83 | %%$DIV 2nd operand is 0. |
| | 84 | First operand is greater than 2G. |
| | 85 | Second operand is greater than 2G. |
| | 86 | Result of %%$PLUS case overflow. |
| | 87 | Result of %%$MINUS case overflow. |
| | 91 | Logical operand not numeric. |
| | 92 | Numeric logical operand out of range. |
| | 93 | Invalid logical operator. |

| Error Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 94 | Logical atomic expression expected but not found. |
| | 95 | Unbalanced parentheses in logical expression. |
| | 96 | Too many nested parentheses in logical expression. |
| | 97 | Unbalanced quotes. |
| | 99 | %%$GLOBAL value length error. |
| 16 | Errors reading the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |
| | 24 | Logical record length is not 80. |
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 20 | Errors writing the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |
| | 24 | Logical record length is not 80. |
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 24 | Program buffers shortage | |

| Error Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 12 | Not enough space in RSL buffer. |
| | 32 | Not enough space in VCB for name and value. Variable name and data are too long. |
| | 43 | Arguments too long (ARG buffer overflow). |
| 32 | Program errors | |
| | 100 | No last non-blank for non-blank value in SET command. |
| | 101 | No succeeding RSL for adjoining variables. |
| | 102 | Problems in PUTVAR while initiating. |
| | 103 | Too many arguments requested from PARSARGS. |
| | 104 | Problems calculating weekday. |
| | 105 | Invalid SET system variable. |
| | 106 | No local anchor was passed. |
| | 107 | No global anchor was passed. |
| | 109 | No MCT or SWT present in %%$IPLDATE for date formatting WO0816*. |
| 36, 40, and 44 | Global variables errors | |
| | 04 | Empty chain. |
| | 08 | End of chain. |
| | 12 | PNXH header error. |
| | 16 | PLBH header error. |
| | 20 | CTMMSK mash error, RC from IS is > 4. |
| | 24 | Pool is protected. |
| | 32 | Unable to get XAE information. |
| | 33 | Machine is not participating on XAE. |
| | 34 | Attempt made to set an XAE type 1 database variable in another system image. |
| | 98 | Pool not found. |
| | 107 | No global anchor was passed. Program error. |
| | 108 | Field not defined in database. |
| | 109 | Requested row is out of range. |

| Error Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| 48 | Parse errors | |
| | 08 | Invalid type. |
| | 12 | Place holder error. |
| | 16 | Position specification too long. |
| | 20 | Non numeric. |
| | 24 | Position null. |
| | 28 | Invalid variable. Specified variable is greater than 256, or the variable name is too long. |
| | 32 | String error. |
| | 36 | Invalid TPE type. |
| | 40 | Section vector overflow. |
| | 44 | Variable buffer overflow. |
| | 107 | No global anchor was passed. |

**CTO566E** **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 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.

*User response:* Review the rule execution results for errors and rectify as appropriate.

**CTO567E** **IOA 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.

*User response:* Start the CONTROL-O monitor.

**CTO568E** **IOA 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.

*User response:* 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.

3 Contact BMC Software Customer Support.

**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.

*User response:* 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.

3 Contact BMC Software Customer Support.

**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.

*User response:* Contact your INCONTROL administrator.

**CTO56AW** **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.

*User response:* 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=*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.

Contact your INCONTROL administrator.

*User response:* No action is required.

**CTO56BW** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO570I** **INITIALIZATION ENVIRONMENT COMPLETED.**

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

*User response:* 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.

*User response:* 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.

*User response:* 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)

| Code | Description |
|---|---|
| **Return Code 04** | **GETMAIN or FREEMAIN error. Reason codes are:** |
| 1 through 6 | GETMAIN failure |
| 7 through 10 | FREEMAIN failure |
| **Return Code 08** | **Variable not found. Reason codes are:** |
| 13 | Variable not found and RESOLVE flag is on |
| 36 | %%COMMSYS value length error |
| 68 | %%TIMEINT first argument is not a valid date |
| 69 | %%TIMEINT second argument is not a valid date |
| 74 | %%X2C argument length is greater than 4 |
| 88 | %%DOLIMIT first argument is not numeric |
| 89 | %%RULE functions argument is out of rule stack |
| 90 | %%RULE functions argument is not numeric |
| 98 | Global variable pool not found |
| 980 | Internal error - global pool or database not found |
| 982 | Internal error - global pool or database not found |
| **Return Code 12** | **Syntax error or General error. Reason codes are:** |
| 11 | Empty SET command |
| 15 | Empty IF command |
| 21 | %% not found in SET command |
| 22 | Separator not found after %% |
| 23 | ‘=’ not found in SET command |
| 24 | %%$TIMEOUT value not numeric |
| 25 | %%$RESPMSG/TIMEOUT - invalid parentheses |

| Code | Description |
|---|---|
| 26 | %%$RESPMSG/%%TIMEOUT - too ?пmany values |
| 27 | %%$WAITKSL/TSO/CMD - invalid value (not YES/NO) |
| 28 | %%TIMEOUT - value too large |
| 29 | %%STATID value length error |
| 30 | %%AUTOLOG value length error |
| 37 | %%AUTOSYS value length error |
| 41 | Function arguments not separated |
| 42 | Too few function arguments |
| 45 | CTMLINE# PARAMETER NOT NUMERIC when trying to set %%CTMLINE# to a non-numeric value |
| 46 | CTMLINE# > CTMLINES when trying to set %%CTMLINE# to a value greater than %%CTMLINES |
| 47 | CTMLINE# < 0 when trying to set %%CTMLINE# to a value less than 0 |
| 52 | %%$SUBSTR 2nd argument not numeric |
| 53 | %%$SUBSTR 3rd argument not numeric |
| 54 | %%$SUBSTR 2nd argument out of range |
| 55 | %%$SUBSTR 3rd argument out of range |
| 56 | %%$RESOLVE argument not recognized |
| 57 | %%$RANGE 1st argument not numeric |
| 58 | %%$RANGE 2nd argument not numeric |
| 59 | %%$RANGE 1st argument out of range |
| 60 | %%$RANGE 2nd argument out of range |
| 61 | %%$RANGE is too narrow |
| 62 | %%$CALCDATE 1st argument not in valid format |
| 63 | %%$CALCDATE 2nd argument not in valid format |
| 64 | %%$TIMEINT 1st argument is not 11 digits in length |
| 65 | %%$TIMEINT 1st argument is not numeric |
| 66 | %%$TIMEINT 2nd argument is not 11 digits |
| 67 | %%$TIMEINT 2nd argument is not numeric |
| 71 | More than one operator in one line |
| 72 | Less than two operands for an operator |

| Code | Description |
|---|---|
| 73 | More than two operands for an operator |
| 75 | %%$D2X argument length is greater than 10 |
| 76 | %%$D2X argument is not numeric |
| 77 | %%$D2X argument number is greater than 2147483647 (2G) |
| 78 | %%$X2D argument length is greater than 8 |
| 79 | %%$X2D argument has an invalid character |
| 81 | First operand in arithmetic operation is not numeric |
| 82 | Second operand in arithmetic operation is not numeric |
| 83 | %%$DIV 2nd operand is 0 |
| 84 | First operand is greater than 2G |
| 85 | Second operand is greater than 2G |
| 86 | Result of %%$PLUS case overflow |
| 87 | Result of %%$MINUS case overflow |
| 91 | Logical operand not numeric |
| 92 | Numeric logical operand out of range |
| 93 | Invalid logical operator |
| 94 | Logical atomic expression expected but not found |
| 95 | Unbalanced parentheses in logical expression |
| 96 | Too many nested parentheses in logical expression |
| 97 | Unbalanced quotes |
| 99 | %%$GLOBAL value length error |
| 980 | Internal error - global pool or database not found |
| 982 | Internal error - global pool or database not found |
| **Return Code 16** | **Errors reading the global member. Reason codes are:** |
| 08 | Insufficient memory |
| 12 | Member not found |
| 16 | DSN is not a library |
| 20 | DSN is not fixed |
| 24 | LRECL is not 80 |
| 28 | Data set in use |

| Code | Description |
|---|---|
| 36 | Data set not in catalog |
| 40 | Dynamic allocation failed |
| 52 | Error when opening/processing a directory |
| 56 | An abend was intercepted |
| **Return Code 20** | **Errors writing the global member. Reason codes are:** |
| 08 | Insufficient memory |
| 12 | Member not found |
| 16 | DSN is not a library |
| 20 | DSN is not fixed |
| 24 | LRECL is not 80 |
| 28 | Data set in use |
| 36 | Data set not in catalog |
| 40 | Dynamic allocation failed |
| 52 | Error when opening/processing a directory |
| 56 | An abend was intercepted |
| **Return Code 24** | **Program Buffers Shortage. Reason codes are:** |
| 12 | Not enough space in RSL buffer |
| 32 | Not enough space in VCB for name and value. Variable name and data are too long. |
| 43 | Arguments too long (ARG buffer overflow) |
| **Return Code 32** | **Program Errors. Reason codes are:** |
| 100 | No last non-blank for non-blank value in SET command |
| 101 | No succeeding RSL for adjoining variables |
| 102 | Problems in PUTVAR while initiating |
| 103 | Too many arguments requested from PARSARGS |
| 104 | Problems calculating weekday |
| 105 | Invalid SET system variable |
| 106 | No local anchor was passed |
| 107 | No global anchor was passed |
| 109 | No MCT or SWT present in %%$IPLDATE for date formatting WO0816*. |

| Code | Description |
|---|---|
| **Return Codes 36, 40, 44** | **Global Variables Errors. Reason codes are:** |
| 04 | Empty chain |
| 08 | End of chain |
| 12 | PNXH header error |
| 16 | PLBH header error. |
| 20 | CTMMSK mash error, RC from IS is > 4 |
| 24 | Pool is protected |
| 32 | Unable to get XAE information |
| 33 | Machine is not participating on XAE |
| 98 | Pool not found |
| 107 | No global anchor was passed. Program error. |
| 108 | Field not defined in database |
| 109 | Requested row is out of range |
| **Return Code 48** | **Parse Errors. Reason codes are:** |
| 08 | Invalid type |
| 12 | Place holder error |
| 16 | Position specification too long |
| 20 | Non numeric |
| 24 | Position null |
| 28 | Invalid variable. Specified variable is greater than 256, or the variable name is too long |
| 32 | String error |
| 36 | Invalid TPE type |
| 40 | Section vector overflow |
| 44 | Variable buffer overflow |
| 107 | No global anchor was passed |

### 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.

*User response:* 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** **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.

*User response:* Start the CONTROL-O or CMEM monitor and reissue the request.

**CTO578E** **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.

*User response:* Check the CONTROL-O or CMEM job log or syslog for error messages, and correct accordingly.

**CTO579E** **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.

*User response:* 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.

*User response:* 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.

*User response:* Notify BMC Software Customer Support.

**CTO57CE** **INAREA LENGTH *length1* + 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTO5A5E** **SERVER *serverId* SEVERE ERROR - *details***

*Explanation:* The specified server detected an internal error.

The server is terminated.

*User response:* 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.

*User response:* 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.

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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *rc* | Meaning |
|---|---|
| 8 | Not enough memory |
| 12 | Member not found |
| 16 | DSN is not a library |
| 20 | DSN is not fixed |
| 24 | LRECL is not 80 |
| 28 | Data set in use |
| 32 | Internal error |
| 36 | Data set not in catalog |
| 40 | Dynamic allocation failed |
| 48 | Number of lines exceeds the maximum |

| *rc* | Meaning |
|---|---|
| 52 | Error when opening processing directory |
| 56 | STAE has detected an abend |
| 68 | Inconsistent type |

The CTOCMCK program ends. CONTROL-O does not start.

*User response:* If possible, correct the problem and restart CONTROL-O. If the error persists, contact BMC Software Customer Support.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

### 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**CTO610S** **CONTROL-O IS 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 are activated. The Application Server did not find the subsystem ready for use.

CTOGATE ends.

*User response:* Start the CONTROL-O monitor and reattempt access to CONTROL-O.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

**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.

*User response:* 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.

*User response:* Stop and restart IOAGATE and the Application Server CTOGATE. If the error persists, contact BMC Software Customer Support.

**CTO614I** **COMMUNICATION STOPPED**

*Explanation:* This information message indicates that communication stopped due to an operator request.

CONTROL-O communication stops.

*User response:* No action is required.

**CTO615I** **COMMUNICATION STARTED.**

*Explanation:* This information message indicates that communication started due to an operator request.

CONTROL-O communication starts.

*User response:* No action is required.

**CTO616I** **COMMUNICATION WAS ALREADY STARTED.**

*Explanation:* The user attempted to start communication. However, it was already operating.

*User response:* No action is required.

**CTO617I** **COMMUNICATION WAS ALREADY STOPPED.**

*Explanation:* The user attempted to stop communication. However, it had already been stopped.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Check if the storage defined for ECSA (Extended Common Service Area) is large enough. If not, increase the ECSA size.

### 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.

*User response:* 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.

The CTOCTI utility terminates.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 are use three address spaces: AOR, TOR and FOR.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Try again.

**CTO686E** **DSN *dsn* 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.

*User response:* 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 *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.

*User response:* 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**

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| Circumstances | System Action | Possible Cause |
|---|---|---|
| New Day procedure | New Day procedure terminates with errors | Failure to read a calendar from the data set described by the DACAL DD statement |
| CONTROL-M AutoEdit facility | Job submission is stopped | Failure to read a symbols member (%%GLOBAL statement, or %%LIBSYM %%MEMSYM statement) |

| Circumstances | System Action | Possible Cause |
|---|---|---|
| CONTROL-M Online facility | Processing of schedule, mission, rule or calendar definition is not performed | Internal failure to process the schedule, mission, rule or calendar definition |

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 SYSPRING 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 higher.

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.

*User response:* 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 higher.

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.

*User response:* 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 higher.

OpenEdition support for the current CONTROL-O or CMEM monitor is successfully installed. CONTROL-O or CMEM will trigger rules based on OpenEdition events.

*User response:* 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 above. 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.

*User response:* Install IBM PTF for APAR OW36163, which enables CONTROL-O or CMEM support for OpenEdition.

### CTO785W 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.

*User response:* 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.

**CTO786W** **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 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 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 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.

*User response:* If the value of 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 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 rsn is LOAD TO CSA FAILED, use the contents of previous messages to determine the cause of the failure.

### 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.

*User response:* 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.

*User response:* 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 lower 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 higher.
- IBM APAR OW36163 must be applied.

The CONTROL-O startup process completes but does not support OPENEDITION.

*User response:* If the system is lower than OS/390 version 2.4, ignore this message. Otherwise, apply IBM APAR OW36163.

**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 higher.

CONTROL-O or the CMEM monitor detected an active OpenEdition interface environment and started its termination procedure.

*User response:* 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 higher.

The current CONTROL-O or CMEM subsystem removed itself from the OpenEdition interface in order to stop receiving OpenEdition events.

*User response:* 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 higher.

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.

*User response:* 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 higher.

The OpenEdition interface for the current CONTROL-O or CMEM monitor has been successfully removed.

*User response:* 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.

*User response:* 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.

*User response:* 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 OPENEDITION INTERFACE: rsn**

*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.

*User response:* Look for previous messages which explain the cause of the failure. Verify successful initialization the next time CONTROL-O or CMEM is activated.

**CTO797E** **EINVALID 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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):

- CLEAR (or the numeral 6)
- INFORMATIONAL (or the numeral 5)
- WARNING (or the numeral 4)
- MINOR (or the numeral 3)
- MAJOR (or the numeral 2)
- CRITICAL (or the numeral 1)

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* Enter a value in the field.

**CTO7C4E** **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).

*User response:* Enter a valid descriptor code in the DESC field or leave it blank.

**CTO7C5E** **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).

*User response:* Enter a valid routing code in the ROUTE field or leave it blank.

**CTO7CAE** **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.

*User response:* Enter a valid range, or do not enter a search range.

**CTO7CBE** **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.

*User response:* Enter a valid search range or do not enter a search range.

**CTO7CCE** **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.

*User response:* 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.

*User response:* 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).

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Do one of the following:

- Delete the DO EXIT MESSAGE command.
- Add ENDMSG 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

### 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.

*User response:* 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.

*User response:* No action is required.

### CTO830I DEACTIVATION OF SMS SUPPORT STARTED

*Explanation:* This information message indicates that CONTROL-O started deactivating an SMS interface.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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: *rsn***

*Explanation:* CONTROL-O could not remove its subsystem name from the SMS interface.

The reason may be one of the following:

- SUBSYSTEM NOT FOUND - The name of the current CONTROL-O subsystem is not registered in the SMS interface.
- LOCK CANNOT BE OBTAINED - CONTROL-O could not get the SMS 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.

*User response:* 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: *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:

- LOAD OF CTOSSI FAILED - The CONTROL-O interface was not successfully loaded.
- CSA GETMAIN FAILED - CONTROL-O failed to GETMAIN in CSA.
- LOCK CANNOT BE OBTAINED - CONTROL-O failed to obtain LOCK.

- TOO MANY SUBSYSTEMS - CONTROL-O failed to define the subsystem, because the SSVT subsystem table already contained the maximum permitted number of subsystems.

CONTROL-O terminates with a return code of 8.

*User response:* 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.

### 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Check the IOA load library.

**CTO845W** **UNABLE TO REGISTER WITH MAINVIEW INTERFACE *rsn***

*Explanation:* CONTROL-O could not register with the MAINVIEW interface during initialization.

Valid values for rsn are:

- TOO MANY SUBSYSTEMS - The MAINVIEW interface had already registered the maximum number of subsystems.
- LOCK CANNOT BE OBTAINED - CONTROL-O could not get the MAINVIEW interface lock that it needs for registration.

The following system actions result:

- MAINVIEW interface initialization fails.
- CONTROL-O initialization continues.
- CONTROL-O does not handle MAINVIEW events.

*User response:* Do one of the following:

- If the reason is TOO MANY SUBSYSTEMS, shut down a different CONTROL-O monitor and restart the current one.
- If the reason is LOCK CANNOT BE OBTAINED, restart the current CONTROL-O monitor.

If the problem persists, call your INCONTROL administrator.

**CTO846W** **LOAD OF MAINVIEW INTERFACE FAILED: *rsn***

*Explanation:* CONTROL-O could not load the MAINVIEW interface module.

Possible values for rsn are:

- LOAD TO PRIVATE REGION FAILED - CONTROL-O could not load the MAINVIEW 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 MAINVIEW interface module.
- LOAD TO CSA FAILED - CONTROL-O could not load the MAINVIEW interface module into the CSA.

The following system actions result:

- MAINVIEW interface initialization fails.
- CONTROL-O initialization continues.
- CONTROL-O does not handle MAINVIEW events.

*User response:* 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 CTOMVA 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.

**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.

*User response:* 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.

*User response:* No action is required.

**CTO84AI** **INITIALIZATION OF MAINVIEW SUPPORT STARTED**

*Explanation:* This information message indicates that CONTROL-O started initializing MAINVIEW support.

*User response:* No action is required.

**CTO84BI** **DEACTIVATION OF MAINVIEW SUPPORT STARTED**

*Explanation:* This information message indicates that CONTROL-O started deactivating an MAINVIEW interface.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Do both of the following:

- Check earlier messages to determine the cause of the error.
- Check that the next CONTROL-O initialization succeeds.

**CTO8A0I** **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.

*User response:* Check why the subsystem is inactive.

**CTO8A1E** **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.

*User response:* Notify your INCONTROL administrator.

**CTO8A2I** **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.

*User response:* No action is required.

**CTO8A3E** **"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.

*User response:* Specify a valid range in the TO and FROM fields.

**CTO8A4E** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

### 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.

*User response:* 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.

| Return Code | Explanation |
|---|---|
| 8 | Insufficient memory to continue; region is too small, or member is too large. |
| 12 | The member was not found in the library. |
| 16 | The specified data set is not a library. |
| 20 | The specified data set is not in fixed format. |
| 24 | The logical record length is not 80. |
| 28 | The specified data set is in use. |
| 32 | Internal error - the type is in the abend code field. |

| Return Code | Explanation |
|---|---|
| 36 | The specified data set was not found in the catalog. |
| 40 | Dynamic allocation failed. |
| 44 | Invalid request to CTMMEM. |
| 48 | Maximum lines or directory entries exceeded. |
| 52 | Error when opening or processing directory. |
| 56 | STAE intercepted an abend. |
| 68 | Format parameter is inappropriate for the library. |

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the error in the menu definition member, and restart the action. 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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. TSOCP was specified.

The variables in this message are:

- *val* - the value in general register 15

- *rc* - the program return code
- *rsn* - the program reason code
- *abCode* - the program abend code

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* For a description of rc and rsn, see the following table. Correct the PARM statement accordingly. (HIDDEN TEXT - same as API565E, CTO565E, XAM565E, and table used elsewhere also, inc. CTO145S, MTO145S)

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| 04 | GETMAIN or FREEMAIN error | |
| | 1 through 6 | GETMAIN failure |
| | 7 through 10 | FREEMAIN failure |
| 08 | Variable not found | |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 13 | Variable not found and RESOLVE flag is on. |
| | 36 | %%$COMMSYS value length error. |
| | 68 | %%$TIMEINT first argument is not a valid date. |
| | 69 | %%$TIMEINT second argument is not a valid date. |
| | 74 | %%$X2C argument length is greater than 4. |
| | 88 | %%$DOLIMIT first argument is not numeric. |
| | 89 | %%$RULE functions argument is out of rule stack. |
| | 90 | %%$RULE functions argument is not numeric. |
| | 98 | Global variable pool not found. |
| | 980 | Internal error - global pool or database not found |
| | 982 | Internal error - global pool or database not found |
| 12 | Syntax error or general error | |
| | 11 | Empty SET command. |
| | 15 | Empty IF command. |
| | 21 | %% not found in SET command. |
| | 22 | Separator not found after %%. |
| | 23 | '=' not found in SET command. |
| | 24 | %%$TIMEOUT value not numeric. |
| | 25 | %%$RESPMSG or %%$TIMEOUT - invalid parentheses. |
| | 26 | %%$RESPMSG or %%$TIMEOUT - too many values. |
| | 27 | %%$WAITKSL or %%$TSO or %%$CMD - invalid value (not YES/NO). |
| | 28 | %%$TIMEOUT - value too large. |
| | 29 | %%$'STATID value length error. |
| | 30 | %%$AUTOLOG value length error. |
| | 37 | %%$AUTOSYS value length error. |
| | 41 | Function arguments not separated. |
| | 42 | Too few function arguments. |
| | 45 | CTMLINE# PARAMETER NOT NUMERIC when trying to set %% $CTMLINE# to a non-numeric value. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 46 | CTMLINE# > CTMLINES when trying to set %%$CTMLINE# to a value greater than %%$CTMLINES. |
| | 47 | CTMLINE# < 0 when trying to set %%$CTMLINE# to a value less than 0. |
| | 52 | %%$SUBSTR 2nd argument not numeric. |
| | 53 | %%$SUBSTR 3rd argument not numeric. |
| | 54 | %%$SUBSTR 2nd argument out of range. |
| | 55 | %%$SUBSTR 3rd argument out of range. |
| | 56 | %%$RESOLVE argument not recognized. |
| | 57 | %%$RANGE 1st argument not numeric. |
| | 58 | %%$RANGE 2nd argument not numeric. |
| | 59 | %%$RANGE 1st argument out of range. |
| | 60 | %%$RANGE 2nd argument out of range. |
| | 61 | %%$RANGE is too narrow. |
| | 62 | %%$CALCDATE 1st argument not in valid format. |
| | 63 | %%$CALCDATE 2nd argument not in valid format. |
| | 64 | %%$TIMEINT 1st argument is not 11 digits in length. |
| | 65 | %%$TIMEINT 1st argument is not numeric. |
| | 66 | %%$TIMEINT 2nd argument is not 11 digits. |
| | 67 | %%$TIMEINT 2nd argument is not numeric. |
| | 71 | More than one operator in one line. |
| | 72 | Less than two operands for an operator. |
| | 73 | More than two operands for an operator. |
| | 75 | %%$D2X argument length is greater than 10. |
| | 76 | %%$D2X argument is not numeric. |
| | 77 | %%$D2X argument number is greater than 2147483647 (2G). |
| | 78 | %%$X2D argument length is greater than 8. |
| | 79 | %%$X2D argument has an invalid character. |
| | 81 | First operand in arithmetic operation is not numeric. |
| | 82 | Second operand in arithmetic operation is not numeric. |
| | 83 | %%$DIV 2nd operand is 0. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 84 | First operand is greater than 2G. |
| | 85 | Second operand is greater than 2G. |
| | 86 | Result of %%$PLUS case overflow. |
| | 87 | Result of %%$MINUS case overflow. |
| | 91 | Logical operand not numeric. |
| | 92 | Numeric logical operand out of range. |
| | 93 | Invalid logical operator. |
| | 94 | Logical atomic expression expected but not found. |
| | 95 | Unbalanced parentheses in logical expression. |
| | 96 | Too many nested parentheses in logical expression. |
| | 97 | Unbalanced quotes. |
| | 99 | %%$GLOBAL value length error. |
| 16 | Errors reading the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |
| | 24 | Logical record length is not 80. |
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 20 | Errors writing the global member | |
| | 08 | Insufficient memory. |
| | 12 | Member not found. |
| | 16 | DSN is not a library. |
| | 20 | DSN is not fixed. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 24 | Logical record length is not 80. |
| | 28 | Data set in use. |
| | 36 | Data set not in catalog. |
| | 40 | Dynamic allocation failed. |
| | 52 | Error when opening/processing a directory |
| | 56 | An abend was intercepted. |
| 24 | Program buffers shortage | |
| | 12 | Not enough space in RSL buffer. |
| | 32 | Not enough space in VCB for name and value. Variable name and data are too long. |
| | 43 | Arguments too long (ARG buffer overflow). |
| 32 | Program errors | |
| | 100 | No last non-blank for non-blank value in SET command. |
| | 101 | No succeeding RSL for adjoining variables. |
| | 102 | Problems in PUTVAR while initiating. |
| | 103 | Too many arguments requested from PARSARGS. |
| | 104 | Problems calculating weekday. |
| | 105 | Invalid SET system variable. |
| | 106 | No local anchor was passed. |
| | 107 | No global anchor was passed. |
| | 109 | No MCT or SWT present in %%$IPLDATE for date formatting WO0816*. |
| 36, 40, and 44 | Global variables errors | |
| | 04 | Empty chain. |
| | 08 | End of chain. |
| | 12 | PNXH header error. |
| | 16 | PLBH header error. |
| | 20 | CTMMSK mash error, RC from IS is > 4. |
| | 24 | Pool is protected. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 32 | Unable to get XAE information. |
| | 33 | Machine is not participating on XAE. |
| | 34 | Attempt made to set an XAE type 1 database variable in another system image. |
| | 98 | Pool not found. |
| | 107 | No global anchor was passed. Program error. |
| | 108 | Field not defined in database. |
| | 109 | Requested row is out of range. |
| 48 | Parse errors | |
| | 08 | Invalid type. |
| | 12 | Place holder error. |
| | 16 | Position specification too long. |
| | 20 | Non numeric. |
| | 24 | Position null. |
| | 28 | Invalid variable. Specified variable is greater than 256, or the variable name is too long. |
| | 32 | String error. |
| | 36 | Invalid TPE type. |
| | 40 | Section vector overflow. |
| | 44 | Variable buffer overflow. |
| | 107 | No global anchor was passed. |

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**CTO8F3E** **SERVER *srvr* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Change the selection criteria if necessary.

**CTO8G3W** **FUNCTION NOT SUPPORTED**

*Explanation:* The requested function that was specified online is not supported.

*User response:* Check the validity of the value specified in the option field.

**CTO8G8E** **INTERNAL ERROR TYPE REQUEST=*requestInfo***

*Explanation:* Option GLOBALS encountered an internal error.

The GLOBALS display is terminated.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact your INCONTROL administrator.

**CTO917W** **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.

*User response:* 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.

*User response:* 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.

*User response:* Determine which monitor (the active one or the newly started) should use the subsystem and act accordingly.

# 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Notify the INCONTROL administrator.

**CTOC0CE** **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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTOC12E** **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*.

*User response:* 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.

*User response:* 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. EIBRESP=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.

*User response:* Check the error code, and correct accordingly. If necessary, contact BMC Software Customer Support.

**CTOC15E** **ERROR IN RECEIVE FROM TERMINAL. EIBRESP=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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTOC39I** **DBG REQUEST ACCEPTED**

*Explanation:* Informative message issued in response to DBG request.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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. For CONTROL-D/WebAccess Server, the CTD_PC_USERS field is also obligatory.

Authorization to access the product is denied.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the name of the member in the DD statement or create a member with the specified name.

**CTOF9FS** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**CTOI04E** **CTO SUBSYSTEM *subsys* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* To restart the CONTROL-O IMS interface, stop IMS and restart it again.

Chapter 2

# CTR

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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 PROCSTEP.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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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).

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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)

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTR073I** **DSN *dsn* HAS BEED 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.

*User response:* 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.

*User response:* Check the job and find out why there are no other steps in the job.

**CTR076S** ***processName* WAS REQUESTED FROM PGMSTEP *stepName* PROCSTEP *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.

*User response:* 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* PROCSTEP *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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Have your system programmer call BMC Software Customer Support for assistance.

**CTR094I** **CHANGING VOLUME(S) FOR DATASET TO - *volser***

*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.

*User response:* No action is required.

**CTR095I** **func FAILED. RC= *rc* REASON= *rsn***

*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.

*User response:* No action is required.

**CTR096W** **MODEL DSCB ATTRIBUTES WERE NOT USED FOR *dsn*. REASON *rsn***

*Explanation:* CONTROL-M/Restart could not find MODEL DSCB attributes. While performing a GDG adjustment for a file (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.

*User response:* No action is required.

**CTR097I** **NCT2 HAS BEEN PREVENTED FOR DATASET**

*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.

*User response:* No action is required.

**CTR098S** **JCL ERROR. DATASET " *dsn* " HAS A NAME OF ALIAS**

*Explanation:* The JCL for the job contains a DD statement that specifies a data set *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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 [*procStep.pgmStep*]**

*Explanation:* The NONRESTARTABLE_STEP parameter in the CTRPARM member was specified incorrectly.

The program aborts the CONTROLR step with an error code.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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/Restart installation parameter ABNDTYP in CTRPARM. The job terminates after the CONTROLR step. Under SMS the message is not produced.

*User response:* Add the SPACE parameter to the data set with the MOD disposition, and rerun the job.

**CTR147I** **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.

*User response:* No action is required.

**CTR148E** **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/Restart tries to do a step adjustment, find a previous step that creates the required data set, and restart from that step.

*User response:* No action is required.

**CTR149W** **"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/Restart determined that a previous step in the job references the same data set name with a disposition other than DELETE.

Processing continues normally.

*User response:* No action is required.

**CTR150I** ***exitName* USER EXIT WILL BE INVOKED TO *func* DATASET**

*Explanation:* This information message indicates that the CTRX001 CONTROL-M/Restart Exit will replace CONTROL-M/Restart data set adjustment

processing. This exit is installed during CONTROL-M/Restart Installation. It overrides CATALOG, UNCATALOG, DELETE (SCRATCH), LOCATE and SCANDS functions originally performed by CONTROL-M/Restart.

For more information concerning CONTROL-M/Restart user exits, see the *INCONTROL for z/OS Administrator Guide*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 "JCL" 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.

*User response:* 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.

*User response:* 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.

*User response:* Notify BMC Software Customer Support.

**CTR166I** **CURRENT JOB JCL IS DIFFERENT FROM JCL 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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 CTR094I.

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 CTR308I.

*User response:* 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.

*User response:* 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.

*User response:* 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 <docTitle>CONTROL-M/Restart User Guide</docTitle> 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Identify the cause of the problem, and then correct it, as follows:

1. 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.
2. Verify that the specified member name matches the member name of the job to be simulated or cleaned-up.
3. 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support for assistance.

Chapter 3

# CTT

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.

*User response:* 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.

*User response:* No action is required.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 FREESPACE SHORTAGE - *nn* % UTILIZATION

*Explanation:* The number of free records in the file is below the specified utilization *nn*% threshold that was set at installation.

Normal processing continues.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 in 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.

*User response:* 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.

*User response:* 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*.

### 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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).

*User response:* 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.

*User response:* 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:

| Value | Explanation |
|---|---|
| TCTLOAD | |
| 8 | Cannot load CTTPARM or IOAPARM |
| 12 | Insufficient region |
| INITPARS | |

| Value | Explanation |
|---|---|
| 36 | Insufficient region |
| INITINC | |
| 8 | Insufficient region |
| 36 | Insufficient region |
| BLDINC | |
| 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 | |
| 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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*.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *rsn* | Explanation |
|---|---|
| LBL-ERR | 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. |
| READBACK | The data set is read backward (READBACK processing). |
| RULE-REQ | A CONTROL-M/Tape rule requested that this data set be bypassed by setting DO BYPASS to Y. |
| VOLMISS | The specified volume was not controlled by CONTROL-M/Tape and either:<br>■ the DYNVOL parameter is set to I (ignore) in either the CTTPARM member or a rule.<br>or<br>■ the user answered message CTT112A with I (ignore).<br>This reason is also given if User Exit CTTX004 was used to temporarily override the setting for the DYNVOL parameter. |
| UX03 | User Exit CTTX003 requested that this data set be bypassed. |
| UX05 | User Exit CTTX005 requested that this data set be bypassed. |

The job continues without CONTROL-M/Tape involvement.

*User response:* 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.

*User response:* 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.

*User response:* Change the JCL as required. If a scratch volume is required, remove the parameter VOL=SER= *value* or VOL=REF= *value*.

**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.

*User response:* Change the JCL as required.

**CTT142I** **IA= *instruction_addr* SVCA= *svc_addr* COMP CODE= *complected***

*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

*User response:* 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:

| rsn | Explanation |
|---|---|
| 4 | Invalid intercept code. See CTT106S. |
| 8 | ESTAE failed. See CTT106S. |
| 12 | GETAST failed. See CTT106S. |
| 16 | RBA of the volume is missing. See CTT106S. |
| 20 | RBA of data set is missing. See CTT106S. |
| 24 | Message routine failed. See CTT106S. |

| rsn | Explanation |
|---|---|
| 28 | Previous file does not exist. See CTT108E. |
| 32 | Data set name conflict with MDB data set name. See CTT109E. |
| 36 | Volume not in MDB. See CTT130E. |
| 40 | Data set not in MDB. See CTT110E. |
| 44 | Job failed by User Exit 3. See CTT111E. |
| 48 | Open failed for MDB. See CTT200S. |
| 52 | Close failed for MDB. See CTT200S. |
| 56 | GETMAIN error. |
| 60 | Recreate with DISP set to NEW. See CTT119E. |
| 64 | Volume is in a remote vault. See CTT113A. |
| 68 | File already exists. See CTT118E. |
| 72 | Bad RC from user exit. See CTT115S. |
| 76 | Abend in user exit. See CTT116S. |
| 80 | Recreate on a permanent data set. See CTT120E. |
| 84 | CONTROL-M/Tape environment does not exist. See CTT134A. |
| 88 | CONTROL-M/Tape is suspended. See CTT150A. |
| 92 | Invalid file sequence. See CTT107E. |
| 96 | Retry after abend in test mode. |
| 100 | Volume is not scratch. See CTT125E. |
| 104 | DYNVOL is set to I (Bypass), but an attempt was made to access a controlled volume. See CTT149E. |
| 108 | 9800 request denied. See CTT135A. |
| 112 | MDB error. See CTT200S. |
| 124 | EDM tries to write on non-EDM. See CTT132E. |
| 128 | Non-EDM tries to write on EDM. See CTT133E. |
| 156 | Specific request for a scratch volume. See CTT140E. |
| 160 | Recreate on the wrong volume. See CTT141E. |
| 168 | Job started before CONTROL-M/Tape set active. See CTT144E. |
| 172 | Access denied by User Exit 6. See CTT145E. |
| 180 | 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. |

| rsn | Explanation |
|---|---|
| 192 | Recreate disabled by installation. See CTT148E. |
| 228 | Volume not found during MVS/RESTART. |

The task is abended. CONTROL-M/Tape does not record any information on this tape data set.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

The following are the possible values of the reason code (*rsn*) and the related preceding message for each:

| rsn | Explanation |
|---|---|
| 4 | Invalid intercept code. See CTT106S. |
| 8 | ESTAE failed. See CTT106S. |
| 12 | GETAST failed. See CTT106S. |
| 16 | RBA of the volume is missing. See CTT106S. |
| 20 | RBA of the data set is missing. See CTT106S. |
| 28 | Previous file does not exist. See CTT108E. |
| 32 | Data set name conflict with MDB data set name. See CTT109E. |
| 36 | Volume not in MDB. See CTT130E. |
| 40 | Data set not in MDB. See CTT110E. |
| 44 | Job failed by user exit 3. See CTT111E. |
| 48 | Open failed for MDB. See CTT200S. |
| 52 | Close failed for MDB. See CTT200S. |
| 56 | GETMAIN error. |
| 60 | Recreate with DISP=NEW. See CTT119E. |
| 64 | Volume is in a remote vault. See CTT113A. |
| 68 | File already exists. See CTT118E. |
| 72 | Bad RC from User Exit. See CTT115S. |
| 76 | Abend in user exit. See CTT116S. |
| 80 | Recreate on a permanent data set. See CTT120E. |
| 92 | Invalid file sequence. See CTT107E. |
| 100 | Volume is not scratch. See CTT125E. |
| 112 | MDB error. See CTT200S. |
| 124 | EDM tries to write on non-EDM. See CTT132E. |
| 128 | Non-EDM tries to write on EDM. See CTT133E. |
| 156 | Specific request for a scratch volume. See CTT140E. |
| 160 | Recreate on the wrong volume. See CTT141E. |
| 168 | Job started before CONTROL-M/Tape set active. See CTT144E. |
| 172 | Access denied by User Exit 6. See CTT145E. |

| rsn | Explanation |
|---|---|
| 192 | Recreate disabled by installation. See CTT148E. |
| 228 | Volume not found during MVS/RESTART. |

The job continues processing, but CONTROL-M/Tape does not record any more information related to the job.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *logical_ds* | Description |
|---|---|
| MDBD | Media database data file |
| MDBI | Media database index file |
| STKD | Stacking database data file |
| STKI | Stacking database index file |
| TRACE | Trace file |

| *logical_ds* | Description |
|---|---|
| SEQ | Any sequential file |

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 | |
|---|---|
| *rsn* | Description |
| 0004 | ■ READ - key not found<br>■ READNEXT - end of file reached<br>■ READPREV - beginning of file reached |
| 0008 | Non-unique key (add) |
| 0012 | Invalid function |
| 0016 | Invalid record has been read or supplied |
| 0020 | Not enough memory |
| 0024 | Not enough storage in data file |
| 0028 | Not enough storage in index file |
| 0030 | Internal error: no message retriever found |
| 0032 | Missing parameters |
| 0036 | Invalid record type |
| 0044 | Invalid LRECL in data file |
| 0048 | Invalid KEYLEN in index file |
| 0052 | Simulation failed, restart |
| 0056 | Open for Trace file failed |
| 0060 | TCT address invalid (open) |
| 0066 | Invalid key change during update |

| Errors in Database DATA File (part 1 of 2) | |
|---|---|
| *rsn* | Description |

| Errors in Database DATA File (part 1 of 2) | |
|---|---|
| 1004 | ■ ADD - the file is full<br>■ READNEXT - no more records<br>■ READPREV - beginning of file reached |
| 1006 | Record not found |
| 1008 | Record not found--invalid extent number |
| 1009 | Record not found--invalid block number |
| 1010 | Internal error: Record not found--invalid extent number |
| 1011 | Internal error: Record not found--invalid block number |
| 1012 | Insufficient memory |
| 1013 | Open failed for the DD statement name |
| 1016 | The free record counter in the database is corrupt. |
| 1018 | Corrupted record |
| 1019 | Record is not active |
| 1020 | Invalid QNAME (open) |
| 1021 | Bad record in free list |
| 1022 | Invalid data set name in block 0 |
| 1024 | Invalid function |
| 1028 | Load of IOAPARM failed |
| 1032 | Add failed, record too long |
| 1036 | I/O error |
| 1044 | EXCP initialization error |
| 1046 | Dual database file corrupted--not up to date, aborting |
| 1048 | Invalid data set name, or data set name too long |
| 1050 | Locate failed |
| 1052 | Dynamic allocation failed |
| 1054 | Dynamic allocation free failed |
| 1056 | Dual database file not up to date |
| 1058 | Dual database file corrupted--continue working with main database |

| Errors in Database DATA File (part 1 of 2) | |
|---|---|
| 1060 | Failed to link IOADBF |
| 1064 | Failed to format new database file |
| 1066 | Cannot update block 0--block was not ENQed |
| 1068 | Update failed--record too long |
| 1070 | Failed to load IOADBSB# |
| 1072 | Cannot perform read with ENQ--another ENQ was already issued |
| 1074 | Cannot open database exclusively--database is in use |
| 1076 | Failed to update block 0--corrupted data |
| 1078 | Failed to update block 0--dual database flags changed without appropriate ENQ |
| 1080 | Buffering not initialized |
| 1082 | ENQ failed |
| 1084 | Compress/uncompress error |
| 1086 | Internal error--current EFCB does not match the RBA to be written |
| 1090 | Attempted to update database while it was open for read-only |
| 1092 | Open failed: read job file control block failed for the DD statement name. |

| Logical Errors in Database Index File | |
|---|---|
| *rsn* | Description |
| 2004 | ■ ADD - key already exists<br>■ DELETE - record not found<br>■ READ - record not found<br>■ READNEXT - end of file reached<br>■ READPREV - beginning of file reached |
| 2008 | Error accessing the file |
| 2012 | Not enough main storage |
| 2016 | Internal error |
| 2018 | The index tree structure is corrupted--an index on a higher level does not match the last index on a lower level. |
| 2019 | The index tree structure is corrupted--index was not found on the block. |

| Logical Errors in Database Index File | |
|---|---|
| 2020 | Invalid index function |
| 2024 | Invalid timestamp |
| 2028 | Invalid chain |

| Data Errors in Database Index File (part 1 of 2) | |
|---|---|
| *rsn* | Description |
| 3004 | ■ ADD - file is full<br>■ READNEXT - no more records<br>■ READPREV - beginning of file reached |
| 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 |
| 3020 | Invalid QNAME (open) |
| 3021 | Bad record in free list |
| 3022 | Invalid data set name in n block 0 |
| 3024 | Invalid function |
| 3028 | Failed to load IOAPARM |
| 3032 | Add failed--record too long |
| 3036 | I/O error |
| 3044 | EXCP initialization error |
| 3046 | Dual database file corrupted--not up to date, aborting |
| 3048 | Invalid data set name, or data set name too long |

| Data Errors in Database Index File (part 1 of 2) | |
|---|---|
| 3050 | Locate failed |
| 3052 | Dynamic allocation failed |
| 3054 | Dynamic allocation free failed |
| 3056 | Dual database file not up to date |
| 3058 | Dual database file corrupted--continue working with main database |
| 3060 | Failed to link IOADBF |
| 3064 | Failed to format new database file |
| 3066 | Cannot update block 0--block was not ENQed |
| 3068 | Update failed--record too long |
| 3070 | Failed to load IOADBSB# |
| 3072 | Cannot perform read with ENQ--another ENQ was already issued |
| 3074 | Cannot open database exclusively--database is in use |
| 3076 | Failed to update block 0--corrupted data |
| 3078 | Failed to update block 0--dual database flags changed without appropriate ENQ |
| 3080 | Buffering not initialized |
| 3082 | ENQ failed |
| 3084 | Compress/uncompress error |
| 3086 | Internal error--current EFCB does not match the RBA to be written |
| 3090 | Attempted to update database while it was open for read-only |
| 3092 | Open failed: read job file control block failed for the DD statement name. |

| Errors in TRACE or SEQ Files (part 1 of 2) | | |
|---|---|---|
| *rsn* | Explanation | |
| 4004 | READ | Record truncated because it was too long |
| | READ0 | Record truncated because it was too long |
| 4008 | OPEN | Not enough memory |
| | READ | Record or block could not be read |
| | READ0 | Record or block could not be read |
| | WRITE | Record or block could not be read |
| 4012 | OPEN | OPEN failed, or JFCB could not be obtained |

| Errors in TRACE or SEQ Files (part 1 of 2) | | |
|---|---|---|
| | READ | Invalid RBA or EOF |
| | READ0 | Invalid RBA or EOF |
| | WRITE | Record could not be written |
| | WRITE0 | Record could not be written |
| 4016 | OPEN | Internal error--IOADBE initialization failed |
| | READ | Sequence error |
| | READ0 | Sequence error |
| | WRITE | Sequence error |
| | WRITE0 | Sequence error |
| 4020 | OPEN | Error reading record 0 |
| | WRITE | Trace file is full |
| 4024 | OPEN | Trace file format is invalid |
| 4028 | OPEN | Trace file is full |
| 4032 | Internal error--invalid function for all TRACE or SEQ file operations. | |

| Errors during sequential read of Media database | |
|---|---|
| *rsn* | Description |
| 5002 | End of physical file (extent) |
| 5004 | End of file |
| 5008 | The file could not be opened. RDJFCB failed (probably no DD statement for the MDB). |
| 5012 | The file could not be opened. OPEN for MDB failed. |
| 5016 | Invalid dsname specified in DD statement referencing the MDB. Either name is too long or the name does not end with E000. |
| 5020 | Parameters error |
| 5024 | File attributes incorrect. File type incorrect. |
| 5028 | File attributes incorrect. Lrecl incorrect. |
| 5032 | File attributes incorrect. Blksize incorrect. |
| 5036 | File attributes incorrect. Dsname incorrect. |

The currently executing function or utility stops.

*User response:* 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.

*User response:* 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:

- *func* - the function that was not performed
- *rc* - the return code
- *rsn* - the reason code
- *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:

| Return Code | Reason Code | Explanation |
|---|---|---|
| 8 | 200 | No handler sent |
| | 204 | GETMAIN failed |
| | 208 | No active query when query next |
| | 212 | Invalid call - invalid eye catcher |
| | 216 | No buffer when query |
| | 220 | Subtask error |
| | 224 | Open 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. These reason codes are explained on pages **CR**1189-**CR**1193. |
| | 228 | Close 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. These reason codes are explained on pages **CR**1189-**CR**1193. |
| | 232 | Load environment error |

| Return Code | Reason Code | Explanation |
|---|---|---|
| | 236 | CONTROL-M/Tape real time environment is not active |
| | 240 | Allocate database error |
| | 244 | Free database error |
| | 248 | User not authorized |
| | 252 | Expiration management error |
| | 256 | MDB was not opened in update mode |
| | 260 | The program is not APF-authorized. |
| 12 | 200 | Function is not supported |
| | 204 | Path is invalid |
| | 208 | Relation is invalid |
| | 212 | Relation is inconsistent |
| | 216 | Mask is invalid |
| | 220 | Parsing error |
| | 224 | Invalid combination of where and path |
| | 228 | INCLUDE or EXCLUDE error |
| | 232 | Invalid options have been specified. |
| | 236 | A non-existent volume has been specified. |
| | 240 | The specified data set does not exist. |
| | 244 | The data set name specified does not match an actual data set name. |
| | 248 | 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. |
| 16 | 200 | Dynamic allocation error |
| | 204 | Dynamic free error |
| | 208 | 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. These reason codes are explained on pages **CR**1189-**CR**1193. |
| | 212 | Sort error |
| | 216 | More than two API parallel query tasks are not allowed. |

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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).

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 volsers, but which does not indicate a first volser.

The volser is assumed to be a single volume.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *rc* | Explanation |
|---|---|
| OK | OK |
| 4 | End of file. Key not found. |
| 8 | Error processing the files |
| 12 | Invalid function |
| 16 | An invalid record was read. |
| 20 | Not enough storage |
| 24 | Not enough storage in the GIR file |
| 28 | Not enough storage in the GIRI file |
| 32 | There is no DBO block. |
| 40 | Invalid LRECL or KEYLEN in the data or index file. Invalid logical record in DEFGIT |
| 48 | SETPATH was not issued. |
| 100 through 199 | DBS error codes |
| 200 through 299 | DBI error codes |

- 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 *nn*th vault in the vault pattern for the specified volume.

*User response:* 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.

*User response:* 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 *INCONTROL for z/OS Installation Guide*.

**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.

*User response:* 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.

*User response:* 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.

*User response:*

- 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.

*User response:* No action is required.

**CTT286E** **SPECIFIED VOLSER *volser* CANNOT BE {INITIALIZED | ERASED} RSN= *rsn***

*Explanation:* The CTTTPI 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 CTTTPI.UTIL.INIT. *volser* on device number *unit_num*.

*User response:* 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 CTTTPI utility was unable to access the designated tape drive using the *ddName* DD statement.

The CTTTPI utility is terminated.

*User response:* Examine the JCL printout of the job, input JCL, job console log, and the allocated device. Correct all errors and rerun the CTTTPI utility.

**CTT291A** **CONFIRM {ERAS | INIT} *unit* / *volser1* OLDV= *volser2* (*status*) D= *dsn* : Y/ UNLOAD/SKIP/CANCEL**

*Explanation:* The CTTTPI 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 CTTTPI 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.

*User response:* 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 UNKNWN in this message.

The CTTTPI utility continues processing with the next volser or with the next control statement.

*User response:* No action is required.

**CTT293A** **VOLUME *volser* IS NOT IN MDB. REPLY 'Y' - DEFINE, 'E' - EXTERNAL, 'I' - IGNORE, 'SKIP' OR 'CANCEL'**

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- *dsn* - the name of the data set that has entered its grace period
- *volser* - the volume serial number of the volume containing dsn

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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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** ***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:

- *rba* -- RBA of the record in the MDB.
- *fileType* -- Either DATA or INDEX.

- *recordType* -- Type of MDB record processed (for example D for data set, V for volume).
- *entity* -- Identifier, data set name for a data set record, volser for a volume record.
- *action* -- Any of the following:
  - NOT-DELETED (RESTART)
  - DELETED
  - ADDED
  - RESTART-DELETED

*User response:* No action is required.

**CTT321E** **VOLSER OF RECORD TO BE MERGED EXISTS IN MDB. RBA: *rba* VOLSER: *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 volsers, 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.

*User response:* Check why the record to be merged already exists in the target Media Database.

**CTT330E** **INVALID SILO TYPE - *type***

*Explanation:* An invalid silo type was specified in the CTTPARM member.

Valid values of *type* are:

- NONE -- No silo installed.
- 3495 -- IBM 3495 Automated Tape library.
- STK -- StorageTek Silo.

*User response:* 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.

*User response:* 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.

*User response:* 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_nam* is one of the following Automated Tape library Interface module names:

- CTTSTK -- 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 -- Interface to a SUTMYN robotic tape library.
- CTTEMAS v Interface to an EMAS robotic tape library.
- CTTFUJI -- Interface to a Fujitsu robotic tape library.

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.

*User response:* 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.
- CTTHACC -- 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Verify that the retry was completed successfully.

**CTT339I** **FUNCTION *func* FOR VOLUME *volser* PERFORMED SUCCESSFULLY USING INTERFACE *robot_int***

*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.

*User response:* No action is required.

### CTT340I VTS EXPORT COMMAND ISSUED SUCCESSFULLY. EXPORT LIST VOLUME *volser*

*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.

*User response:* No action is required.

### CTT341E EXPORT FROM VTS FAILED. EXPORT LIST VOLUME *volser*

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Notify your INCONTROL administrator.

**CTT355S** **ABEND S*xxx* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 CTTVVM utility determines when a logical volume should be imported back to the Virtual Tape Server (VTS) .

The CTTVVM utility produces an Import List File for the volume with the specified serial number.

*User response:* 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 CTTVVM 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 CTTVVM and CTTVEXP utilities run.

The specified utility stops.

*User response:* Start CONTROL-M/Tape and rerun CTTVVM 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.

*User response:* 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 requestCONTROL-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 databaseCONTROL-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:

| rsn | Explanation |
|---|---|
| 0001 | No data set record for L-Index |
| 0002 | Attempt to remove an active data set |
| 0003 | Active data set on a non-active volume |
| 0004 | Record of the first volume of the data set not found |
| 0005 | The first volume of the multi-volume chain differs from the first volume of the data set |
| 0006 | Non-active volume in an active multi-volume chain |
| 0007 | The volume update function failed for a volume |
| 0008 | The update function failed for a volume |
| 0009 | A data set that had already been found could not be read at deletion time |
| 0010 | Data set deletion failed |
| 0011 | Next volume expected but not found |
| 0012 | A volume other than the first in a multi-volume chain could not be read |
| 0013 | A volume other than the first in an active multi-volume chain is not active |
| 0014 | The volume update function failed for a volume other than the first in a multi-volume chain |
| 0015 | The first volume in a multi-volume chain differs from the first volume of a data set (other than the first) |
| 0016 | The update function failed for a volume other than the first in a multi-volume chain |
| 0017 | Database access error while reading the L-index |
| 0018 | The expected L-index was not found |
| 0019 | The L-index has a non-matching RBA |
| 0020 | An attempt to delete the L-index failed |
| 0022 | The update function failed for a data set (DDSVOLS#) |

The cleanup process is performed only for the current volume in the multi-volume chain of which it is part. Processing continues normally.

*User response:* Use the CTTIDB 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*.

**CTT380I** **JOBNAME DSN C-OBS C-SIZE N-OBS N-SIZE MAXSIZE MINSIZE S-DEV**

*Explanation:* This information message is a column header for message CTT381I.

This message is followed by message CTT381I.

*User response:* No action is required.

**CTT381I** ***jobName dsn c_obs c_size n_obs n_size max_size min_size s_dev***

*Explanation:* This information message contains summary information on each data set for which statistical calculations regarding average data set size have been performed.

This CTT381I message follows the CTT380I message, which provides column headers for the information in this CTT381I message.

The variables in this message are:

- *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_obs*
- *n_obs* - the number of observations used for statistical calculations (including the present run) This number differs from *c_obs* by the number of valid runs of *jobName* and *dsn* since the previous run of the CTTSTK utility
- *n_size* - the data set average size, calculated on the basis of *n_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 *jobName* and *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 *jobName* and *dsn* statistics
- *s_dev* - the standard deviation for the average size of the data set, calculated on the basis of *n_obs*

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Provide input to the CTTHSMP utility in a single FMID MOD group.

**CTT431S** **UMID/RMID BUFFER OVERFLOW**

*Explanation:* Too many UMID or RMID 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.

*User response:* Call BMC Software Customer Support.

**CTT432W** **WARNING: MOD=*mod* HAS UMID=*umid***

*Explanation:* The CTTHSMP utility detected a UMID in an IBM MOD entry. IBM MODs do not normally have UMIDs. The detected UMID 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.

*User response:* 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*.

*User response:* Contact BMC Software Customer Support.

**CTT440S** **INTERNAL ERROR IN CTTIWTO. 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 MANUALY 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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_pref* 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.

*User response:* 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.

*User response:* 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).

*User response:* 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.

*User response:* 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).

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 CTTSYC utility then updated the MDB.

The utility continues processing.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- A (Account)
- D (Data set)

- J (Jobname)
- ME (Media)
- MG (MGMTCLAS)
- P (Pgm)
- UC (UCB)
- US (User ID)
- V (VOLSER)

*User response:* Correct the entry by specifying a valid ON option.

**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.

*User response:* 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)

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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)

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Specify a valid number of CYCLES or change the retention type.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTT570E** **VOLUME RANGE MUST BE DEFINED**

*Explanation:* No volume range is defined.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* Try the option again later.

**CTT607E** **NO INFORMATION FOUND IN MEDIA DATABASE**

*Explanation:* The requested information was not found in the Media database.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Check the MVS SYSLOG for the return and reason codes in message CTT334E. Proceed accordingly.

### 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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).

*User response:* Specify a valid date.

**CTT636E** **INVALID VALUE *value*. FIELD SHOULD BE NUMERIC**

*Explanation:* A nonnumeric value was specified in a numeric field.

*User response:* Fill in a numeric value.

**CTT637E** **INVALID VALUE *value***

*Explanation:* An invalid value was specified in a field in the Volume/Dataset Update screen.

*User response:* 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:

| *fld* | Explanation |
|---|---|
| ACTIVE-DS# | Active data set number. The maximum value is 65535. |
| 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. |

*User response:* Specify a valid value below the maximum.

**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).

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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:

| Function | Return Code | Explanation |
|---|---|---|
| INIT | 08 | Insufficient memory |
| | 36 | Internal error |
| BUILD | 08 | Too many INCLUDE/EXCLUDE statements |
| | 12 | The statement is not of the INCLUDE/EXCLUDE type. |
| | 16 | One of the following problems occurred:<br>■ The parameter specified exceeds 44 characters.<br>■ No parameter was specified.<br>■ The keyword in invalid. It is not in the dictionary.<br>■ 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.

*User response:* 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:

| Utility | *rsn* | Explanation |
|---|---|---|
| All Utilities | 4 | No keywords were found |
| | 8 | Continuation statement is missing |
| | 12 | Operation code not found. No keywords parsed. |
| | 16 | No keywords found in the parsed record, or a mandatory keyword was not found. |
| | 20 | Redundant data in a parsed record. |
| | 24 | Internal error. Missing parameter name in command definition. |
| | 28 | More than 255 characters to parse. |
| | 48 | More than 31 input parameter lines. |
| CTTDLD | 32 | Range is invalid. FROM volser is higher than TO volser or volser range does not provide logical sequencing. |
| | 52 | Continuation statement missing. |
| CTTIDB | 28 | Invalid MODE parameter or more than 255 characters to parse. |
| | 32 | Invalid relation in statement. |
| CTTMER | 50 | OPCODE not found. |
| | 54 | Relation in statement is missing or invalid. |
| | 58 | Parameter is too long. |
| | 62 | DBGLEVEL is not numeric. |
| | 70 | Too many MERGE statements. |
| | 74 | MERGE statement is missing. |
| | 78 | Invalid MODE parameter. |
| CTTSPL | 50 | OPCODE not found. |
| | 54 | Relation in statement is missing or invalid. |
| | 58 | Parameter is too long. |
| | 62 | DBGLEVEL is not numeric. |
| | 70 | Too many SPLIT statements. |
| | 74 | SPLIT statement is missing. |
| | 78 | Invalid MODE parameter. |
| | 82 | Invalid FUNCTION parameter. |

Execution is terminated.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTT712I** ***num* STATEMENTS READ FROM SYSIN**

*Explanation:* This information message specifies how many control statements SYSIN has read.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 volsers 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.

*User response:* 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.

*User response:* 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:

| rc | Explanation |
|---|---|
| 08 | Missing DD statements or open error occurred. |
| 12 | Control card error. |
| 16 | Operation code not found. |
| 20 | Invalid operation code. |
| 24 | Syntax error in REPORT, FIELDS or SORTBY statement. |
| 28 | Field name specified in FIELDS or SORTBY list is undefined. |
| 32 | Same parameter specified more than once. |
| 36 | Field name exceeds maximum length. |
| 40 | Invalid relation specified (must always be an equal sign). |
| 44 | Report NAME is undefined. |
| 48 | BRK not specified for the preceding field in the SORTBY list. |
| 52 | FIELDS statement not specified. |
| 56 | Total of all field lengths requested in the FIELDS statement exceeds the line size. |
| 60 | Continuation card expected but not received. |
| 64 | Invalid numeric value. |
| 68 | Option in the FIELDS or SORTBY statement already specified. |
| 72 | ROWID specified in the BREAK or SORTBY statement. |

| rc | Explanation |
|---|---|
| 76 | EDIT parameter in the ATTR statement is invalid for the specified FIELDS. |
| 80 | EDIT mask is not valid. |
| 84 | Specified number not in permitted range.<br>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:<br>■ No column is specified in the current FIELDS statement.<br>■ 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the definition of the RANGE statement.

**CTT741W** **VOLUME vol IS ACTIVE AND HAS NO FIRST DATASET**

*Explanation:* A utility detected a volume data record that is marked as active, but the volume has no data set with the label number 1.

The utility continues processing.

*User response:* Contact your database administrator.

**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).

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 INIT to establish the real-time environment in a CPU, while the real-time environment was already active in this CPU.

The initialization process is not started.

*User response:* Delete the existing real-time environment before trying to create 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Either change the SVC number in the CTTPARM member to an unused number, or remove the older definition from the system.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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 *component func* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 messages 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.

*User response:* 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.

*User response:* 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 may cause jobs to abend.

### 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 messages follows other messages that detail the error and password.

The CTTINIT procedure stops.

*User response:* 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.

This message is issued during initialization of CONTROL-M/Tape, when both the data component of the MDB (MDBD) and the TRC file are on the same volume. If the MDB is damaged, the CTTRCV utility can recover it using the TRC file as input. If the TRC file is also damaged, recovery fails. Keeping the TRC file on the same volume as the MDBD increases the danger of both being damaged simultaneously, with a resulting inability to recover.

CONTROL-M/Tape initialization continues.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| err | Explanation |
|---|---|
| INVALID DATE - *date* | The date specified (*date*) is in an invalid date format or contains invalid values. Valid formats for the date are yyyymmdd or yymmdd. |
| INVALID EQUATE SPECIFIED - *equ* | The equate *equ* 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 *INCONTROL for z/OS Administrator Guide*. |
| INVALID FUNCTION ISSUED | An invalid function was used. For a list of supported functions, see the documentation for the CTTMUP utility. |
| INVALID HEX VALUE SPECIFIED - *hex* | *hex* is an invalid hexadecimal value. |
| INVALID KEYWORD SPECIFIED - *kwd* | The keyword *kwd* 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 *INCONTROL for z/OS Administrator Guide*. |
| INVALID NUMERIC VALUE SPECIFIED | A non-numeric value was specified. |
| INVALID PARAMETER VALUE - *parm= val* | The value assigned to parameter *parm* is invalid. For a list of correct values, see the appendix that describes logical field names for the CONTROL-M/Tape repository in the *INCONTROL for z/OS Administrator Guide*. |
| INVALID '*parm*=' SPECIFICATION | The value specified for the *parm* parameter is invalid. |
| INVALID RBA PARAMETER | An invalid value was given to an RBA field. The RBA format is X *hhhhhhhh*, where X is a constant and *hhhhhhhh* is a valid RBA found in the MDB. |
| INVALID RELATION IN KEYWORD - *keywd* | An invalid relation symbol was used. Only the “=” symbol can be specified. |
| INVALID RETENTION DATA - *rtn* | Incorrect retention data was specified. For the correct format of retention data, see the documentation for the CTTMUP utility. |
| INVALID STATEMENT CODE | The statement contained an invalid code, or was not correctly placed. |
| INVALID ZERO VALUE SPECIFIED | The value of zero is invalid. |
| KEYWORD NOT FOUND IN DICTIONARY - *keywd* | The keyword *keywd* is invalid. Check the spelling. |
| MANDATORY FIELDS NOT FOUND | At least one mandatory field is missing. For mandatory fields, see the documentation for the CTTMUP utility. |
| TYPERUN STATEMENT MISSING | The TYPERUN statement is mandatory. It was not specified. |
| VOLSER TOO LONG - *volser* | VOLSER should contain one through six characters only. |

| err | Explanation |
|---|---|
| VALUE EXCEED MAXIMUM *parm= val* | The *parm* parameter has been set to a value (*val*) that exceeds the maximum. |

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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).

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *rc* | Explanation |
|---|---|
| 4 | The required catalog does not exist or is not open. |
| 8 | The user is not authorized to perform the operation. |
| 20 | There is insufficient space on the catalog data set. |
| 24 | 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. |
| 28 | An I/O error occurred. |

The data sets are not cataloged. The external volume is not added to the MDB.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *opc* | Explanation |
|---|---|
| DEL | The record is deleted from the MDB. |
| ADD | The record is added to the MDB. |

| *opc* | Explanation |
|---|---|
| UPD | The record is updated in the MDB. |

- *type* - Record type in the MDB.

Valid values are:

| *type* | Explanation |
|---|---|
| DS | Data set record |
| VL | Volume record |
| CT | Vault control |
| CA | Vault capacity |
| CN | Vault continuation |

- *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.

*User response:* 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:

| *opc* | Explanation |
|---|---|
| DEL | The record is deleted from the MDB. |
| ADD | The record is added to the MDB. |

| *opc* | Explanation |
|---|---|
| UPD | The record is updated in the MDB. |
| CAT | The data set is cataloged. |
| MAT | The MDB record does not match its data in the Trace file. |

- *type* - Record type in the MDB.

Valid values are:

| *type* | Explanation |
|---|---|
| DS | Data set record |
| VL | Volume record |
| CT | Control record |
| CA | Vault capacity |
| CN | Vault continuation |

- *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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 DATSETS (*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- *rba* - Volume record RBA.
- *num* - The number of active data sets on the volume.
- *lbl_num* - The highest label (file sequence number) in use on the volume.

Information message CTT999I, which describes the record in error, is issued with this message.

The utility continues processing.

*User response:* Do the following:

1. Determine the correct values for ACTIVEDS and LBLNUM.
2. Use the VOLUPD function of the CTTMUP utility to set correct values for ACTIVEDS and/or LBLNUM fields.

The utility continues processing.

See message CTT999I for the volser of the volume in error. If the index record (KEY) is missing, use the VOLBIX function of the CTTMUP utility to build an index for the volume. If the data record is missing, use the VOLADD function of the CTTMUP utility to add the missing volume record.

**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.

*User response:* 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.

*User response:* 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** ***rcrd_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:

| rcrd_desc value | Explanation |
|---|---|
| In the case of a data record: | |

| rcrd_desc value | Explanation |
| --- | --- |
| D *dsn volser lbl* | All fields are taken from the data set record, where:<br>■ dsn is the data set name<br>■ volser is the volser on which the data set starts<br>■ lbl is the data set label |

| rcrd_desc value | Explanation |
|---|---|
| V volser SEQ: num [FIRST: first_vol ] [PREV: prev_vol ] [NEXT: next_vol] | All fields are taken from the volume record, where:<br>■ volser is the volser of the volume<br>■ num is the volume sequence number in its multivolume chain<br>■ first_vol is the volser of the first volume in the multivolume chain<br>■ prev_vol is the previous volume in the multivolume chain<br>■ 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. |

| rcrd_desc value | Explanation |
|---|---|
| T volser | A volume continuation record, where *volser* is the volser of this volume continuation record. |
| B *boxId media num* | A box record, where:<br>■ *boxId* is the name of the box<br>■ *media* is the media of the box.<br>■ *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. |
| K L *volser lbl* | L-type index, where:<br>■ *volser* is the volser of the data set<br>■ *lbl* is the data set label (file sequence number) |

| rcrd_desc value | Explanation |
|---|---|
| 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:<br>■ *boxId* is the box name<br>■ *media* is the media of the box<br>■ *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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* The action to be taken depends on the reason specified in the message, as follows:

| REASON rsn and Explanation | | User Response |
|---|---|---|
| FAILURE IN DATASET PROCESSING | | |
| | The utility was unable to copy the specified data set. | Check other messages and events issued by this run of the CTTSBD utility and by the operating system to determine if the problem can be corrected.<br>After the problem is fixed, a subsequent run of the CTTSBD utility can be used to stack the data set. |
| VOLUME RECORD CHANGED | | |

| REASON rsn and Explanation | | User Response |
|---|---|---|
| | 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. | 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. |
| CYCLE RETENTION | | |
| | 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. | The specified data set cannot be processed by the CTTSBD utility. If necessary, copy this data set using other means. |
| INVALID DATA IN MDB | | |
| | 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.) | 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. |

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Enter C for Cancel or W for Wait, as follows:

- C -- The CTTSBD utility terminates.
- W -- The utility waits three minutes and attempts to allocate the requested volume again.

**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.

*User response:* 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.

*User response:* Check and correct the source code in Exit 11 and rerun the CTTSBD utility.

**CTTB27E** **CHAIN PROCESSING STOPPED. OUT DSN EXCEEDS 44 CHARS D=*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

# Messages CTTF00 through CTTFxx

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.

*User response:* 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.

*User response:* Notify your INCONTROL administrator.

**CTTF42I** **PROGRAM ENDED: *num* KEYS BUILT**

*Explanation:* Normal termination message of the Index file rebuilding the CTTDBIB utility.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Notify your INCONTROL administrator.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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. For CONTROL-D/WebAccess Server, the CTD_PC_USERS field is also obligatory.

Authorization to access the product is denied.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Rebuild the relevant index file using the CTTBIX utility for the Media database or the CTTDBIB 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

*User response:* The following table lists and explains the possible texts for the *err_desc* variable. Respond as indicated.

| Error Description and Explanation | User Response |
|---|---|
| FIRST VOL IS NOT THE SAME IN ALL VOLS | |
| The value in the FIRSTVOL field must be the same for each volume record of the multi-volume group. A volume record was detected with a different value in the FIRSTVOL field. | 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.<br>2 Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error.<br>3 Correct the indexes of the group using the GRPBIX function of the CTTMUP utility. |

| Error Description and Explanation | User Response |
|---|---|
| VOLUME IN BROKEN GROUP | |
| The listed volume belongs to the multi-volume group, which is already recognized as broken. | 1 Determine whether the volume belongs to a broken multi-volume chain.<br>2 Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error.<br>3 Correct the indexes of the group using the GRPBIX function of the CTTMUP utility. |
| INVALID PREV/NEXT POINTER | |
| The next or previous volume does not belong to this multi-volume group. The group is probably broken. | 1 Determine whether the problem is the value of the NEXTVOL or PREVVOL fields.<br>2 Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error.<br>3 Correct the indexes of the group using the GRPBIX function of the CTTMUP utility. |
| VOLUME OUT OF SEQUENCE | |
| The volume sequence number should be greater by one than the sequence number of previous volume. | 1 Determine whether the problem is the value of the VOLSEQ field.<br>2 Use the VOLUPD function of the CTTMUP utility to update the volume record of the volume in error. |
| SCRATCH VOLUME IN THE ACTIVE CHAINACTIVE VOLUME IN THE SCRATCH CHAIN | |
| In compatible MODE, all volumes from the same chain should have the same status (either ACTIVE or SCRATCH). | 1 Determine whether all volumes from the same multi-volume group have the same status.<br>2 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 | |

| Error Description and Explanation | User Response |
|---|---|
| The last volume in the multi-volume chain should not have the NEXTVOL pointer. | 1 Determine whether this volume is really the last volume in the group.<br>2 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 | |
| The first volume in the multi-volume group should not have the PREVVOL pointer. | 1 Determine whether this volume is really the first volume in the group.<br>2 Use the VOLUPD function of the CTTMUP utility to reset the VOLPREV field for the first volume record. |
| SINGLE VOLUME WITH WRONG SEQUENCE NUMBER | |
| The sequence number of a single volume (not multi-volume) should be equal to one. | 1 Determine whether this volume is really single volume and does not belong to any multi-volume group.<br>2 Use the VOLUPD function of the CTTMUP utility to set the VOLSEQ field for this volume to 1. |
| 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. | 1 Determine whether this volume is the first volume of the multi-volume group, or a single volume.<br>2 Use the VOLUPD function of the CTTMUP utility to set the VOLFIRST field to the VOLSER value. |
| DATASET OUT OF SEQUENCE | |
| The label number of a data set is out of sequence with the other labels of its multi-volume group. | 1 Determine whether the problem is that the dataset record is redundant.<br>2 Use the RECDEL function of the CTTMUP utility to delete the redundant dataset record. |

**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.

*User response:* 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.

*User response:* 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.

*User response:* For an unexpected or expected L-index, use the GRPBIX 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.

*User response:* 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.

*User response:* 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 GRPBIX 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.

*User response:* 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.

**CTTI09E** **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.

*User response:* 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.

**CTTI10E** **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

*User response:* 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.

**CTTI11E** **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

*User response:* 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.

**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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Use the VOLUPD function of the CTTMUP utility to update the VLTENTNM, VAULT, VLTENTDT, VLTEXTYP 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* Rebuild the entire index file using 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

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* Manually update one or both volume records by entering a correct slot number. Then run the CTTVTM 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.

*User response:* Create the vault definition, using screen TV. Then run the CTTVTM 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.

*User response:* Run the CTTVTM 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.

*User response:* Run the CTTVTM utility in SLOTBLD mode.

**CTTI32E** **RBA *rba*: RECVLNUM *num* IS 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.

*User response:* Correct the problematic field using the CTTMUP utility.

**CTTI33I** **{TOTAL | NUMBER OF *errmsg*} ERRORS FOUND: *nn***

*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, *errmsg* refers to the corresponding CTTIDB error message, such as CTTI00E or CTTI01E.

*User response:* No action is required.

**CTTI34W** **NO VAULT RECORDS FOUND. ALL VAULTING ERROR MESSAGES BLOCKED.**

*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.

*User response:* Run the CTTVTM utility in SLOTBLD mode to build vault records.

**CTTI35E** **RBA *rba*: VOLUME *volser* CONTAINS INVALID SLOT NUMBER *number***

*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:

- *rba* - the RBA of the problematic volume record
- *volser* - the volser of the problematic volume record
- *number* - the problematic slot number in the volume record

*User response:* Run the CTTMUP utility to change the problematic slot number to the correct one.

**CTTI36E** **RBA *rba*: VOLUME *volser* CONTAINS MUTUALLY EXCLUSIVE STATUS FLAGS *flags***

*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:

- *rba* - the RBA of the problematic volume record
- *volser* - the volser of the problematic volume record
- *flags* - the volume record status flags (in hexadecimal format)

*User response:* Run the CTTMUP utility to change the problematic status flag to the correct one.

**CTTI37E** **RBA *rba*: DATASET OUT OF SEQUENCE**

*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, *rba* is the RBA of the first data set record out of sequence

*User response:* Run the CTTMUP utility to correct the incorrect data set sequence or to add the missing data set record.

**CTTI38E** **RBA *rba*: VOLUME *volser*: *INCORRECT DVLUSED VALUE value***

*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:

- *rba* - the RBA of the problematic volume record
- *volser* - the volser of the problematic volume record
- *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.

*User response:* 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 CTTS00 through CTTSxx

This group includes messages for the CONTROL-M/Tape product.

**CTTS01W** **THE CTVINTR=NONE SPECIFIED IN THE CTTPARM**

*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.

*User response:* Set the CTVINTR parameter to EDM or DSN in the CTTPARM member and rerun the CTTSYNC utility.

**CTTS02E** **THE EDMID OF VOLUME *volser* IS NOT EQUAL "CTV"**

*Explanation:* The volser is controlled by CONTROL-V, but the EDMID field in the Media database does not come from CONTROL-V.

Normal processing continues.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Verify that the dataset is really not controlled by CONTROL-V, and scratch the dataset in the Media database using the CTTMUP utility.

Chapter 4

# 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.

*User response:* 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.

*User response:* 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***

*Explanation:* The FileTek delete command failed for the specified file.

The system skips the problematic file, and continues processing.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 "MASK" IS BLANK**

*Explanation:* An attempt was made to specify the report line and/or column location of an index mask without specifying the mask itself.

*User response:* Specify an index mask, or do not specify a mask location, for this index.

**CTV705E** **"MIGRATE" MUST BE FILLED IN**

*Explanation:* The Migration Mission name was not specified in a DO MIGRATE statement.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* Enclose 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.

*User response:* Define the relative INDEX COL parameter.

# 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 routine 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**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.

*User response:* 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.

*User response:* 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.

| *rc* | Explanation |
|---|---|
| 20 | Media error in adding request to chain. |
| 24 | Media error in GETMAIN for TVL. |
| 28 | Media error handling multivolume file. |
| 36 | Media error: File resides on more than five volumes. |
| 60 | Media error: An RQC was queued without RBAs. |
| 64 | OASDVT error: An RQC was queued with a zeroed RBA. |
| 68 | 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. |
| 76 | Media error: Open failed. |
| 80 | Media error: Task abended during open. See message DVT194E or IOA194E in the IOA Log file for the abend code. |
| 84 | Media error: I/O error on device. See message DVT193E or IOA193E in the IOA Log file for the input or output error description. |
| 92 | IOASDVT error while reading the descriptor block of a migrated CDAM file. |
| 96 | IOASDVT error while acquiring storage for a migrated CDAM descriptor block. See message DVT180S in the IOA Log file for more information. |
| 100 | IOASDVT error while reading the first block from a migrated CDAM file. |
| 104 | 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. |
| 108 | IOASDVT error while acquiring storage for cache. See message DVT180S in the IOA Log file for more information. |
| 112 | IOASDVT error: Extent number in RBA is out of range. |
| 116 | Error while translating RBA to BBB. |
| 120 | IOASDVT error: block number is out-of-range. |
| 124 | Error while translating BBB to RBA. |
| 128 | IOASDVT error while issuing ENQ to test user existence. See message DVT181E or IOA181E in the IOA Log file for more information. |

| *rc* | Explanation |
|---|---|
| 132 | IOASDVT error: Task abended during cache request processing. |
| 140 | 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. |

The cache request is not performed.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

The requested action is not performed.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

The requested action is not performed.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Prepare the CONTROL-M monitor full output and contact BMC Customer Support.

# 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 - *mmddyy*
- 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.

*User response:* 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:

| *rname* | Meaning |
|---|---|
| CNDF | The IOA Conditions file |
| RESF | The CONTROL-M Resources file |
| LOG | The IOA Log file |
| CONTROL-M | The CONTROL-M New Day procedure |
| JES_SSRQ | A JES subsystem request |
| CKPT | The CONTROL-M Active Jobs file or the CONTROL-D Active Missions file |

The message is displayed on the operator console.

*User response:* 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 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.

### CTW918S INSUFFICIENT MEMORY TO RUN CONTROL- *x*

*Explanation: Highlighted, unrollable message.*

More memory is required for the INCONTROL monitor.

The specified monitor will shut down.

*User response:* 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.

*User response:* 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= *rel***

*Explanation:* This information message indicates a normal start of MVS Gateway for Enterprise Controlstation.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the JCL of the job or started task and rerun or restart it.

**CTWG19W** **DUPLICATE *processing_parm* FOUND IN JOB *jobName* ORDERID *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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* It is advisable to correct the job definition in the mainframe so that it contains fewer ON codes.

**CTWG29E** **CTWGNRL FAILED. TASKID= *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.

*User response:* Contact BMC Software Customer Support.

**CTWG30E** **CTWPUT 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 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Look for error messages issued by the workstation and correct the problem accordingly.

**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.

*User response:* 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:

| type | Description |
|---|---|
| TYPE 0001 | Attempt to initialize KSL subtask. |

| type | Description |
|---|---|
| TYPE 0002 | Waiting for KSL subtask to perform a request. |
| TYPE 0003 | KSL subtask ended abnormally. |

The return code contains the system abend code.

The CONTROL-M Application Server shuts down.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 "DWNJOBS"**

*Explanation:* The Enterprise Controlstation Download utility could not open the Download Jobs file (DD statement DWNJOBS).

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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**CTWI52E** **BUILDING OF ECS COMMUNICATION DATASET FAILED**

*Explanation:* The Enterprise Controlstation Communication Dataset formatting utility failed.

The utility fails.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* If this condition occurs regularly, increase the size of the Enterprise Controlstation Communication Dataset file.

# Messages CTWJ00 through CTWJxx

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.

**CTWJ01E** **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.

*User response:* Contact BMC Software Customer Support.

**CTWJ02E** **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.

*User response:* 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.

**CTWJ03E** **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.

*User response:* Contact BMC Software Customer Support.

**CTWJ04E** **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.

*User response:* Contact BMC Software Customer Support.

**CTWJ05E** **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.

*User response:* Contact BMC Software Customer Support.

**CTWJ06E** **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.

*User response:* Contact BMC Software Customer Support.

**CTWJ07E** **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.

*User response:* 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.

### CTWJ08E 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.

*User response:* Determine where the bottleneck is and resolve it.

**CTWJ50I** **CTWUPD STARTED**

*Explanation:* This information message indicates that the CONTROL-M Application Server started the CTWUPD subtask.

*User response:* No action is required.

**CTWJ51I** **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.

*User response:* No action is required.

**CTWJ52I** **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.

*User response:* No action is required.

**CTWJ58E** **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.

*User response:* 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.

**CTWJ59E** **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.

*User response:* Contact BMC Software Customer Support.

**CTWJ60E** **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:

| *msgType* | Explanation |
|---|---|
| A | Update of full Active Jobs file record. |
| B | Short update of an Active Jobs file record. |
| N | New job that was added to the Active Jobs file. |
| O | Update of full Active Jobs file record. |
| X | Update of only the fixed part of an active jobs. |
| C | Condition update. |
| R | Control resource update. |
| Q | Quantitative resource update. |
| T | Alert (Shout message) to workstation. |

The gateway continues processing. Rejected database updates rejected are written to the file referenced by the DASNAP DD statement.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**CVIGC6E** **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.

*User response:* Increase the region size and rerun the utility.

Chapter 5

# D - F messages

This group includes messages for the Control-M *for z/OS* , CONTROL-M/Analyzer, CONTROL-D, CONTROL-O, CONTROL-V and IOA.

# DAS messages

This group includes messages for the CONTROL-M for z/OS includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

## Messages DAS600 through DAS6xx

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.

**DAS613I** **DELETE OF ARCHIVED SYSOUTS STARTED**

*Explanation:* This information message indicates that the New Day procedure started deleting archived SYSDATA sysouts.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

## Messages DASL00 through DASLxx

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.

**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.

*User response:* Check the integrity of the AJF with the IOAVERFY utility.

# DCI messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

# Messages DCID00 through DCIDxx

This group includes messages for the CONTROL-D product, including: CONTROL-D/Image and CONTROL-D/Page on Demand products.

**DCIDA0I** **CTDCITSB PROCESSING ERROR: EIBFN= *func* EIBRCODE= *err***

*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 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 CTDCITSB program stops executing and a CICS transaction dump is produced.

*User response:* 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.

**DCIDA1I** **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.

*User response:* 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.

**DCIDA2I** **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.

*User response:* 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.

**DCIDA3I** **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.

*User response:* 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.

**DCIDA4I** **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.

*User response:* 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.

*User response:* 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 FCTfile for CONTROL-D/WebAccess Server file transfer was disabled, and could not be opened for processing.

The CTDCITSB program stops executing.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- invalid record size
- CICS customization error

- file corruption

The CTDCITSB program stops executing.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**DCIDB5I** **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.

*User response:* 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.

**DCIDB6I** **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.

*User response:* 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.

**DCIDB7I** **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.

*User response:* 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.

**DCIDB8I** **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.

*User response:* 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.

*User response:* 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 CICSSAMP library.

# DDI messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages DDIG00 through DDIGxx

This group includes messages for the CONTROL-D product, including: 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

*User response:* 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.

*User response:* 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.

*User response:* Rebuild the index of the User Report List file.

**DDIG04I** **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.

*User response:* Rebuild the index of the User Report List file.

**DDIG05I** **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.

*User response:* Rebuild the index of the User Report List file.

**DDIG06I** **UTILITY CTDDIG ENDED.**

*Explanation:* This information message indicates that the CTDDIG utility ended.

*User response:* No action is required.

**DDIG07E** **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.

*User response:* Note the values of *func* and *rc* and contact BMC Software Customer Support.

**DDIG09S** **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:

- 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

The CTDDIG utility terminates.

*User response:* Insert the appropriate valid value in the DBFILE parameter and rerun the utility.

**DDIG0AI** **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.

*User response:* No action is required.

**DDIG0CE** **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.

*User response:* 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.

**DDIG10I** **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.

*User response:* No action is required.

**DDIG11I** **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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**DDIG14I** **NO ERRORS DETECTED.**

*Explanation:* This information message indicates that the CTDDIG utility ended with no errors detected.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

# DDR messages

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

## Messages DDRJ00 through DDRJxx

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

**DDRJ81I** **UTILITY IOADDR STARTED**

*Explanation:* This information messages indicates that IOADDR utility started.

*User response:* No action is required.

**DDRJ82I** **UTILITY IOADDR ENDED**

*Explanation:* This information message indicates that the IOADDR utility ended.

*User response:* No action is required.

**DDRJ83S** **INVALID PARAMETER SPECIFICATION**

*Explanation:* The parameter passed to the IOADDR utility was either invalid or missing.

The IOADDR utility terminates.

*User response:* Verify that a valid DSNAME was passed as a parameter to the IOADDR utility.

**DDRJ84S** **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.

*User response:* Correct the JCL for the IOADDR utility so that it contains a valid SYSPRINT DD statement.

**DDRJ85S** **OPEN OF CONTROL FILE FAILED. DDNAME " *ddName* "**

*Explanation:* The IOADDR utility failed to open one of its control files.

The IOADDR utility terminates.

*User response:* Correct the JCL for the IOADDR utility so that it has a correct control member allocated to it.

**DDRJ86S** **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.

*User response:* Verify that the @IDCNTL control member contains a valid library and member name for each user.

**DDRJ87S** **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.

*User response:* Verify that the @IDCNTL control member contains a valid library and member name for each user.

**DDRJ88S** **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.

*User response:* Prepare the CONTROL-M monitor full output and contact BMC Customer Support.

**DDRJ89S** **LOAD FAILED FOR MEMBER " *memName* "**

*Explanation:* Load of one the IOA modules failed.

The IOADDR utility terminates.

*User response:* Verify that your STEPLIB DD statement points to the IOA LOAD library.

**DDRJ8AW** **NO TRIGGERED EVENTS MATCHED TRIGGER *dsn***

*Explanation:* A CONNECT DIRECT request *dsn* did not match any of the triggered events specified in the @@IDCNTL event lists.

No further action is taken in respect of this CONNECT DIRECT request.

*User response:* Check whether any trigger event in the event lists specified in the @@IDCNTL parameter member matches the trigger *dsn*. If you wish, add a trigger event that matches the *dsn*, then repeat the CONNECT DIRECT request.

**DDRJ8BW** **NO SUCCESSFULLY TRIGGERED EVENTS WERE PROCESSED FOR TRIGGER *dsn***

*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 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*.

*User response:* No action is required.

**DDRJ90S** **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:

| Return Code | Explanation |
|---|---|
| 4 | Premature end of file. |
| 8 | Storage allocation error. |
| 12 | Member not found. |

| Return Code | Explanation |
|---|---|
| 16 | Data set name is not the name of a PDS library. |
| 20 | Data set is not a fixed format dataset. |
| 24 | Logical record length of the file is not 80. |
| 28 | Data set in use. |
| 32 | Internal error. |
| 36 | Data set is not cataloged. |
| 40 | Data set allocation failed. |
| 44 | Invalid request. |
| 48 | Internal error. |
| 52 | Error accessing the directory. |

The entry that caused the error is skipped.

*User response:* 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.

**DDRJ91S** **INSUFFICIENT STORAGE FOR PROCESS**

*Explanation:* The IOADDR utility failed to allocate storage for its operation.

The IOADDR utility terminates.

*User response:* Increase the REGION size.

**DDRJ92S** **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.

*User response:* Add the missing definition to the specified scheduling table.

**DDRJ93S** **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.

*User response:* Correct the date in the event definition.

**DDRJ94I** **USER: *userId* TABLE: *tableName* LIBRARY: *lib***

*Explanation:* This information message completes a preceding message stating the reason for the error.

*User response:* Use this information to locate the cause of the error.

**DDRJ9CE** **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 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.

*User response:* 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.

*User response:* 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.

*User response:* Rerun the IOADDI job for the specified IOA installation, and verify that it was successful.

**DDRJA1I** **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.

*User response:* 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.

**DDRJA2S** **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.

*User response:* Check the output of the IOADDS utility. It should point to the problem which prevented the initialization. Proceed accordingly.

**DDRJA3I** **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.

*User response:* No action is required.

**DDRJA4S** **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.

*User response:* 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.

**DDRJA5S** **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.

*User response:* 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.

**DDRJA6E** **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*.

*User response:* No action is required.

**DDRJA7E** **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*.

*User response:* No action is required.

**DDRJA8E** **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.

*User response:* Set the data set name trigger to a value comprised of 44 characters or less, and retry the request.

**DDRJA9S** **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.

*User response:* 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.

*User response:* 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 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*.

*User response:* 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.*

**DDRJACI** ***qName* QNAME TABLE ENTRY SUCCESSFULLY REGISTERED**

*Explanation:* The IOADDI job successfully registered the *qName* QNAME table entry.

*User response:* 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.

*User response:* 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.

*User response:* 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 includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

## Messages DETH00 through DETHxx

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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 *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.

*User response:* Have your INCONTROL administrator contact BMC Software Customer Support.

**DETH60W** **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 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 *run_num1* to *run_num2* of the job have not been captured by the Mainframe Gateway.

*User response:* 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.

*User response:* Have your INCONTROL administrator contact BMC Software Customer Support.

**DETH67I** **DOWNLOAD PROCESS WILL TAKE PLACE SINCE < *rsnText* >**

*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 *rsnText* 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.

*User response:* 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.

*User response:* No action is required.

**DFG411E** **INVALID PARAMETERS: parms**

*Explanation:* The CTODFG program detected invalid parameters.

The program terminates with a return code of 08.

*User response:* Verify the parameters, correct them, and resubmit the utility.

**DFG412E** **THIS CPU HAS SMFID *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*.

The program terminates with a condition code of 08.

*User response:* Verify the SMF ID of the CPU on which CONTROL-O is running, and resubmit the utility with the correct parameter.

**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.

*User response:* 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.

*User response:* 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.

*User response:* See the preceding message.

**DFG419I** **ALLOCATION OF GLOBAL AUTOEDIT ENDED**

*Explanation:* This information message indicates that the CTODFG program successfully allocated the Global library.

*User response:* No action is required.

# DFL messages

This group includes messages for the CONTROL-M for z/OS includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

## Messages DFL0 through DFL0xx

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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* Look for previous error messages that describe the type of error.

**DFL033E** **OPEN OF SIMULATION LOG FILE FAILED. DD NAME "DALOGIN"**

*Explanation:* Open of the simulation facility output log file failed. Possible causes are:

- The DALOGIN DD statement is missing.
- The file allocated to the DALOGIN 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**DFL039I** **TAPE PULL LIST UTILITY ENDED**

*Explanation:* This information message indicates that the Tape Pull List utility ended.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 product, including: 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Check 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.

*User response:* 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.

*User response:* Contact your INCONTROL administrator with the details displayed in this and the following message.

**DIB918S** **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.

*User response:* Notify your INCONTROL administrator.

**DIB919E** **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.

*User response:* Correct the input statements, and rerun the job.

**DIB91AS** **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.

*User response:* Increase the REGION size, and rerun the job.

**DIB91BS** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 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.

*User response:* 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

**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 DATRACE.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

### 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Notify your INCONTROL administrator.

**DIG916S** **DATABASE INTEGRITY ERRORS DETECTED**

*Explanation:* The IOADIG utility detected one or more integrity errors.

The IOADIG utility continues executing.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 then 38 bytes.

The utility terminates with a condition code of 16.

*User response:* 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.
3. Contact BMC Software Customer Support.

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.

*User response:* No action is required.

**DII942S** **OPEN OF INDEX FILE FAILED**

*Explanation:* The IOA Access Method index file could not be opened.

Processing is stopped.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**DII945S** **INDEX INTEGRITY ERRORS DETECTED AT: BLOCK=block RECORD=record**

*Explanation:* The CONTROL-M/Analyzer CTBDBII utility found integrity problems in the Index file at the indicated location.

The utility stops executing with a condition code of 32.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

# DIP messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages DIP900 through DIP9xx

This group includes messages for the CONTROL-D product, including: 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

*User response:* No action is required.

**DIP931I** **DELETE PAGES ENDED**

*Explanation:* This information message is issued routinely when the CTDDIP utility ends.

*User response:* No action is required.

**DIP932I** **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.

*User response:* Correct the problem identified in the accompanying messages and rerun the utility.

**DIP933E** **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.

*User response:* Correct the problem identified in the accompanying messages and rerun the job.

**DIP934I** ***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

*User response:* No action is required.

**DIP935I** ***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:

- *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)

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *elem* | Meaning |
|---|---|
| REPORT ENTRY | 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. |
| INDEX NAME | 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 |
| INDEX VALUE | the specified index value was not found in the Index file for the report that matches the specified criteria in the input statement |

- *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.

*User response:* Correct the criteria in the input statement of the CTDDIP utility.

**DIP941E** **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 elemValid values are:
  - ACTIVE
  - MIGRATED
- *elem* - the type of database element that was missingValid values are:
  - USER RECORD
  - SYSDATA RECORD
  - INDEX RECORD
  - USER RBA ENTRY
- *stmt* - the number of the problematic statement
- *recordId* - the user record database key

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.

*User response:* Ask your INCONTROL administrator to contact BMC Software Customer Support.

**DIP942E** **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 elementValid 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 nameValid values are:
  - CDAM FILE
  - INDEX FILE
- *dsn* - the invalid data set name

*User response:* 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.

*User response:* 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/Analyzer Data file.

The utility stops executing with a condition code of 12.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Notify your INCONTROL administrator.

**DIV968S** **INCONSISTENT 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Notify your INCONTROL administrator.

**DIV96DI** **CONTROL-M/Analyzer UTILITY CTBDVIG ENDED**

*Explanation:* This information message indicates the normal termination of the CTBDBVIG CONTROL-M/Analyzer utility, the CONTROL-M/Analyzer database integrity-checking utility.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the JCL and rerun the job.

# DIX messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages DIXG00 through DIXGxx

This group includes messages for the CONTROL-D product, including: CONTROL-D/Image and CONTROL-D/Page on Demand products.

**DIXGA0I** **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.

*User response:* No action is required.

**DIXGA1I** **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.

*User response:* No action is required.

**DIXGA2S** **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.

*User response:* Check preceding error messages, correct the problem, and rerun the job.

**DIXGA3I** **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.

*User response:* No action is required.

**DIXGA4E** **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.

*User response:* Correct the parameter syntax and resubmit the job. For more information, refer to the CTVDELI utility in the *INCONTROL for z/OS Utilities Guide*.

**DIXGA5E** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Determine why the data set could not be located. Correct the problem. Rerun the CTVDELI utility if necessary.

**DIXGAFE** **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.

*User response:* Determine why the data set could not be deleted. Correct the problem. Rerun the job if necessary.

**DIXGAGE** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the parameter values, and resubmit the job. For more information, see the IOADLD utility in the *INCONTROL for z/OS Utilities Guide*.

**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.

*User response:* Correct the parameter values, and resubmit the job. For more information, see the IOADLD utility in the *INCONTROL for z/OS Utilities Guide*.

**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.

*User response:* Correct the parameter values, and resubmit the job. For more information, see the IOADLD utility in the *INCONTROL for z/OS Utilities Guide*.

# DMI messages

This group includes messages for the CONTROL-O product.

## Messages DMI600 through DMI6xx

This group includes messages for the CONTROL-O product.

**DMI670E** **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.

*User response:* Contact BMC Software Customer Support.

**DMI671E** **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.

*User response:* Reactivate CONTROL-O in order to reestablish communication.

**DMI672E** **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.

*User response:* Contact BMC Software Customer Support.

**DMI673E** **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.

*User response:* Contact BMC Software Customer Support.

**DMI674E** **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.

*User response:* Contact BMC Software Customer Support.

# DSH messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

# Messages DSH900 through DSH9xx

This group includes messages for the CONTROL-D product, including: CONTROL-D/Image and CONTROL-D/Page on Demand products.

**DSH944I** **CLEANING OF HISTORY USER REPORT LIST FILE STARTED**

*Explanation:* This information message is the normal start message of the CTDCLHIS utility, which clears entries from the History User Report List file.

*User response:* No action is required.

**DSH945I** **CLEANING OF HISTORY USER REPORT LIST FILE ENDED OK**

*Explanation:* This information message is the normal end message of the CTDCLHIS utility, which clears entries from the History User Report List file.

*User response:* No action is required.

**DSH946S** **CLEANING OF HISTORY USER REPORT LIST FILE ENDED WITH ERRORS**

*Explanation:* The CTDCLHIS 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 08.

*User response:* Check the previous error messages, correct the problem, and rerun the job.

**DSH947I** **TAPE *num* - EXPIRED**

*Explanation:* This is an information message of the CTDCLHIS utility, which indicates that a report (tape) was found whose retention period expired. The CTDCLHIS utility scans entries in the History User Report List file for reports whose retention period expired, based on the # OF DAYS TO KEEP parameter specified in the Backup Mission Definition screen.

This tape is added to the list of expired tapes.

*User response:* Return the expired tape to the Global Tape Pool.

**DSH948E** **INSUFFICIENT MEMORY TO COMPLETE PROCESSING OF THE FILE. RUN THE UTILITY AGAIN**

*Explanation:* Insufficient memory for the CTDCLHIS utility to finish cleaning entries from the History User Report List file.

*User response:* 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 CTDCLHIS utility again.

# Messages DSHG00 through DSHGxx

This group includes messages for the CONTROL-D product, including: 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.

*User response:* No action is required.

**DSHG81E** **INVALID CDAM FILE NAME "dsn"**

*Explanation:* The CTVCLMIG utility encountered an invalid CDAM file name. The CDAM file name could not be translated to a migrated CDAM data set name.

The data set remains cataloged on the migrated media.

*User response:* Check the output of the CTVCLMIG utility. If you cannot resolve the problem, contact BMC Software Customer Support.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**DSHG87I** **READING BACKUP CONTROL RECORDS**

*Explanation:* This information message indicates that the CTDCLHIS or CTVCLMIG utility started reading backup control records. To calculate the time used for this stage of the utility, compare the time stamp of this message with the time stamp in the next DSHG88I message.

*User response:* No action is required.

**DSHG88I** **READING SYSDATA RECORDS**

*Explanation:* This information message indicates that the CTDCLHIS or 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.

*User response:* No action is required.

**DSHG89I** ***num* SYSDATA RECORDS READ**

*Explanation:* This information message indicates the number of records in the SYSDATA file.

*User response:* No action is required.

**DSHG8AI** **DELETING USER RECORDS**

*Explanation:* This information message indicates that the CTDCLHIS or 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.

*User response:* No action is required.

**DSHG8BI** **DELETING SYSDATA RECORDS**

*Explanation:* This information message indicates that the CTDCLHIS or 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.

*User response:* No action is required.

**DSHG8CI** ***num* USER RECORDS READ**

*Explanation:* This information message indicates the total number of records that have been read.

*User response:* No action is required.

**DSHG8DE** **SYSDATA RECORD NOT FOUND FOR USER RECORD *userName jobName* ODATE= *recordOdate* UKEY= *recordKey***

*Explanation:* During a run of the CTDCLHIS or 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 History or Migrated User Report files, 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.

*User response:* Investigate the cause of this error. This error may indicate a problem with the SORT utility used by utility CTDCLHIS or utility CTVCLMIG.

**DSHG8EE** **SYSDATA RECORD NOT FOUND FOR INDEX RECORD *jobName* ODATE = *odate* XKEY = *key***

*Explanation:* During a run of the CTDCLHIS or CTVCLMIG utility, CONTROL-V found an index record with no matching SYSDATA record. The CTDDSH

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.

*User response:* 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* ID *jobId* ODATE= *odate* XKEY= *counter***

*Explanation:* The History (Migrated) User Report file contains an "orphan" SYSDATA record, meaning a record that is not referred to by any USER record.

This message may also be issued when the CTDCLHIS utility or 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 History (Migrated) User Report file.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages DSMC00 through DSMCxx

This group includes messages for the CONTROL-D product, including: 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the JCL and recall the utility.

**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.

*User response:* Call your INCONTROL administrator.

# DSO messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages DSO900 through DSO9xx

This group includes messages for the CONTROL-D product, including: 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 is 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.

*User response:* No action is required.

**DSO936I** **JOB *jobName* JOBID *jobId* IS WAITING FOR BACKUP BY *missionName missionName 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* You can use the MIGRESET utility to reset the status of pending migration missions and their reports.

**DSO940E** **OPEN OF ACTIVE USER REPORT LIST FILE FAILED. DDNAME "DAVACT"**

*Explanation:* Open of CONTROL-D Active User Report List file failed using a DAVACT DD statement. This error message is issued by the CTDDELRP CONTROL-D utility, which cleans unnecessary entries from the Active User Report List file. Possible causes are:

- The DAVACT DD statement is missing.
- The data set described by the DAVACT DD statement is not the CONTROL-D Active User Report List file.
- The data set described by the DAVACT DD statement is the CONTROL-D Active User Report List file, but of another CONTROL-D monitor, or of a different version of CONTROL-D.

The CTDDELRP CONTROL-D utility terminates with a condition code of 08. The Active User Report List file is not cleaned.

*User response:* Correct the JCL in the CTDDELRP utility, and rerun.

**DSO941E** **OPEN OF HISTORY USER REPORT LIST FILE FAILED. DDNAME "DAVHST"**

*Explanation:* Open of CONTROL-D History User Report List file failed using a DAVHST DD statement. This error message is issued by CONTROL-D utility CTDCLHIS, which cleans unnecessary entries from the History User Report List file. Possible causes are:

- The DAVHST DD statement is missing.
- The data set described by the DAVHST DD statement is not the CONTROL-D History User Report List file.

- The data set described by the DAVHST DD statement is the CONTROL-D History User Report List file, but of another CONTROL-D monitor, or of a different version of CONTROL-D.

The CTDDELRP CONTROL-D utility terminates with a condition code of 08. The Active User Report List file is not cleaned.

*User response:* Correct the JCL of the job and rerun it.

**DSO942E** **OPEN OF PARAMETERS FILE FAILED. DDNAME "DADELIN"**

*Explanation:* Open of parameters file for the CTDCLHIS 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.

*User response:* 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.

*User response:* No action is required.

# Messages DSOA00 through DSOAxx

This group includes messages for the CONTROL-D product, including: 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.

*User response:* 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.

*User response:* Refer to the sort messages for the job and to the user manual for the sort facility used at your site.

**DSOA32I** **SYSDATA 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.

*User response:* No action is required.

**DSOA33I** **SYSDATA 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| msg | Explanation |
|---|---|
| RECORDS READ FROM ACTIVE USER FILE | The total number of records in the Active User file |
| USER RECORDS WILL BE DELETED | The number of user records to be deleted from the Active User file |
| USER RECORDS COPIED TO HISTORY FILE | The number of user records copied from the Active User file to the History Report List file |
| USER RECORDS COPIED TO MIGRATION FILE | The number of user records copied from the Active User file to the Migrated Report List file |
| SYSDATA RECORDS WILL BE DELETED | The number of sysdata records to be deleted from the Active User file |
| SYSDATA RECORDS COPIED TO HISTORY FILE | The number of sysdata records copied from the Active User file to the History Report List file |
| SYSDATA RECORDS COPIED TO MIGRATION FILE | The number of sysdata records copied from the Active User file to the Migrated Report List file |
| INDEX RECORDS WILL BE DELETED | The number of index records to be deleted from the Active User file |

*User response:* No action is required.

# Messages DSOB00 through DSOBxx

This group includes messages for the CONTROL-D product, including: 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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*.

*User response:* 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*.

*User response:* 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 IOA1A6I or DSP1A6I messages, which provide information about the status of each device assigned to media *mediaName*.

*User response:* 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 IOA1A5I or DSP1A5I, which provides the header for each field.

*User response:* 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 IOA1A8I or DSP1A8I messages, which provide information about the status of each device assigned to media *mediaName*.

*User response:* 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 IOA1A7I, 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.

*User response:* 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.

*User response:* No action is required.

**DSP1AAI** ***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 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 that 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* If you cannot determine the reason for this I/O error (for example, a disk failure), contact BMC Software Customer Support.

### DVL345S ERROR EXECUTING RDJFCB

*Explanation:* The CTODVL program received a non-zero return code from system service RDJFCB. The CTODVL program failed to read the JFCB of the dynamically allocated Automation Log file.

Action fails. The Automation Log file is not accessed.

*User response:* Contact BMC Software Customer Support.

**DVL346S** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 machineWhen it does not appear in the message, the name is that of 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.

*User response:* 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.

*User response:* 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 includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

# Messages DWLI00 through DWLIxx

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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**DWLI09E** **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.

*User response:* Check the Application-Group Definition file, and if it is correct, contact BMC Software Customer Support.

**DWLI10E** **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.

*User response:* Check the Application-Group Definition file, and if it is correct, contact BMC Software Customer Support.

**DWLI11E** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- *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

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Examine the error messages that relate to the *channelId* channel. Recycle the IOAGATE.

**ECAA0AI** **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.

*User response:* 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 taskThis 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.

*User response:* No action is required.

### ECAA0CS INVALID 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**ECAA0FS** **UNRECOVERABLE APPLICATION ERROR ENCOUNTERED**

*Explanation:* A severe internal application error occurred in the application server.

The application server shuts down.

*User response:* 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.

*User response:* 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.

*User response:* 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 issuedThe 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, the IOAGATE tries to recover the server task.

*User response:* 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.

*User response:* 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 *ioagateNamel 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.

*User response:* 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 *ioagateNamel 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.

*User response:* 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 CTMCAS, 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 CTMCAS
- *appl2* - either EM or CM, depending on whether the other channel supports CTMAS or CTMCAS

IOAGATE disables the channel that has SSL=NO and goes down if there is no other active channel.

*User response:* ECAPARM channel definitions should be corrected so that the channel definitions for both CTMAS and CTMCAS 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 CTMCAS, 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 CTMCAS
- *appl2* - either EM or CM, depending on whether the other channel supports CTMAS or CTMCAS

IOAGATE continues the initialization of the channel with SSL=YES.

*User response:* ECAPARM channel definitions should be corrected so that the channel definitions for both CTMAS and CTMCAS will have either SSL=YES or SSL=NO.

**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:

- *qName* - the major name of a heartbeat resource of the IOAGATE
- *rName* - the minor name of a heartbeat resource of the IOAGATE

The application server address space shuts down with a return code of 16.

*User response:* Check the IOAGATE logs to determine why IOAGATE is down, try to fix the problem and restart IOAGATE.

**ECAA11S** **ECAAMGR INTERNAL ERROR, *func* CALL FAILED WITH RC(*rsn*)**

*Explanation:* The application server manager encountered a severe internal error when trying to call the *func* function.

Possible *func* and *rsn* (reason code) combinations, and their explanations, are shown in the following table:

| call | rsn | Explanation |
|---|---|---|
| MBXATTC 1 | 20 | ATTACH for the first mailbox failed. |
| MBXATTC 2 | 24 | ATTACH for the second mailbox failed. |
| MBXREAD | 28 | A mailbox READ failed. |
| MBXWRIT 1 | 32 | WRITE of the first Ready message after ATTACH failed. |
| MBXWRIT 2 | 36 | WRITE of the Task Terminated message failed. |

| call | rsn | Explanation |
|---|---|---|
| MBXWRIT 3 | 40 | WRITE of the Communication Update or Service Done internal management message failed. |

The application server address space shuts down.

*User response:* Contact BMC Software Customer Support.

**ECAA12I** **INITIALIZATION PROCEDURE(*mod*) COMPLETED SUCCESSFULLY**

*Explanation:* This information message indicates that the application server invoked the *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.

*User response:* No action is required.

**ECAA13E** **INITIALIZATION PROCEDURE(*mod*) FAILED WITH RC(*rsn*)**

*Explanation:* The application server invoked the *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:

- *mod* - the module that failed
- *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.

*User response:* 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 (*modName*) WAS LOADED**

*Explanation:* This information message indicates that the application server successfully loaded the *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.

*User response:* No action is required.

**ECAA15I** **PINGING(*pingId*) NODE(*node*)**

*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:

- *pingId* - the internal identity of this ping message
- *node* - the node identity of the partner application server

*User response:* No action is required.

**ECAA16I** **PING(*pingId*) REQUEST RECEIVED FROM(*node*) SERVER(*serverId*)**

*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:

- *pingId* - the internal identity of this PING message
- *node* - the node identity of the partner application server
- *serverId* - The started task identity of the partner CONTROL-O application server

*User response:* No action is required.

**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

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Do the following:

1 Look for more information in

- the 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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the ECAPARM configuration file and restart IOAGATE.

**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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Specify a valid value for the APPLID parameter in the EXEC PARM parameters and restart IOAGATE.

**ECAB22I** **EXEC PARM PARAMETERS: *parms***

*Explanation:* This information message displays the EXEC PARM parameters that were specified in the PARM field of the EXEC JCL statement.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**ECAB36E** **SERVER TASK(*type*. *taskId*. *addrSpaceId*) CANNOT BE STOPPED BY OPERATOR**

*Explanation:* IOAGATE rejected an `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:

- *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
- *taskId* - the internal identity of a server task
- *addrSpaceId* - the internal identity of the application server address space to which this task is assigned

The modify command is rejected.

*User response:* Use the F IOAGATE,STATUS command to specify the task ID, and reissue the command.

**ECAB38I** **AUTOMATIC RECOVERY (*recoveryId*) FOR APPL.SERVER (*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:

- *recoveryId* - the internal sequence number of this recovery incident
- *applServerName* - the full name of the application server
- *addrSpaceId* - the internal identity of the application server address space

*User response:* No action is required.

**ECAB39W** **APPL.SERVER (*applServerName*. *addrSpaceId*) CANNOT BE RECOVERED, THRESHOLD(*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

*User response:* 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.

**ECAB40W** **SERVER TASK (*type.taskId.addrSpaceId*) CANNOT BE RECOVERED, THRESHOLD(*threshold*) REACHED**

*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

*User response:* Call your system programmer for assistance.

**ECAB41I** **AUTOMATIC RECOVERY (*recoveryId*) FOR SERVER TASK(*type.taskId.addrSpaceId*) INITIATED**

*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

*User response:* 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

*User response:* 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

*User response:* 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 `F IOAGATE,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.

*User response:* Use the F IOAGATE,STATUS command to identify the correct application server address space identity, and then reissue the command correctly.

### ECAB47I SERVER TASK(*applServerName .type.taskId.addrSpaceId*) RECOVERED SUCCESSFULLY

*Explanation:* This information message indicates that an application server task recovered successfully.

The variables in this message are:

- *applServerName* - 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

*User response:* No action is required.

**ECAB48I** **APPL.SERVER (*applServerName.addrSpaceId.stcId*) RECOVERED SUCCESSFULLY**

*Explanation:* This information message indicates that the specified application server recovered successfully.

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 address space

*User response:* No action is required.

**ECAB49I** **SERVER TASK(*applServerName.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:

- *applServerName* - 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

*User response:* 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.

*User response:* 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
- *taskId* - the internal identifier of the problematic server task
- *addrSpaceId* - the internal identifier of a server address space of this task
- *duration* - the time a server task handles the same service for the same user
- *userId* - the identifier of a user whose request is in process.
- *serviceInstanceId* - the service instance identifier (SIID) that determines the service request being handled by the server task

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.

*User response:* Do the following:

1. If the problem persists, examine the IOAGATE JES log, DAIGLOG 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

*User response:* 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 messageThe default is 180 seconds.

*User response:* Check the application server log, the IOAGATE log, the JES log, the DAIGLOG log, and the DATRACE log for more information. If you cannot correct the problem, contact BMC Software Customer Support.

**ECAB52W** **TIMER WAS NOT SET FOR THE SERVER TASK (*type.taskId.addrSpaceId*)**

*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

*User response:* If the problem persists, contact BMC Software Customer Support.

**ECAB54W** **SERVER TASK (*type.taskId.addrSpaceId*) IS IN STATUS(*status_id*) FOR MORE THAN *interval* SECONDS**

*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

- *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 staysValid values are:

  – WAIT

  – PENDING

- *interval* - the number of seconds to wait before issuing this warning messageThis 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.

*User response:* 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

*User response:* Check the application server log, the IOAGATE JES log, the DAIGLOG 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:

- *type* - the CS server task type
- *taskId* - the internal identity of the server task
- *addrSpaceId* - the internal identity of the server address space

- *interval* - The actual time in seconds during which the server task did not recover

*User response:* Check the IOAGATE JES log, the DAIGLOG log, and the DATRACE log for more information. Try to fix the problem. Consider reassigning a SERVDUR parameter. For more assistance, contact BMC Software Customer Support.

**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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- *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 messageValid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- *reqType* - the type of the requestThis variable may not appear.Valid values are:
  - NOTIFY
  - STOP
  - CANCEL
  - MODIFY
  - INIT

– ATTTACH

*User response:* If the message persists, contact BMC Software Customer Support.

**ECAC61E** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) SIB LOCK FAILED FOR *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 messageValid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- *reqType* - the type of the requestThis variable may not appear.Valid values are:
  - NOTIFY
  - STOP
  - CANCEL
  - MODIFY
  - INIT
  - ATTTACH

*User response:* Contact BMC Software Customer Support if the message persists.

**ECAC62E** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) *msgType* MESSAGE FAILED DUE TO DISCONNECTION, PORT*(port)* /APPLID(*applId*)**

*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) *applId*.

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 messageValid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- *port* - the port number for TCP disconnection
- *applId* - the VTAM application identity for SNA disconnection

*User response:* Contact BMC Software Customer Support if the message persists.

**ECAC63I** **CHANNEL(*channelId.* SNA) DEALLOCATE SENT TO PARTNER LU(*luName*) OUT_CONVID(*out_conversation_id*) IN-CONVID(*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:

- *channelId* - the identity of the channel with which the specified partner was communicating
- *luName* - VTAM LU 6.2 (APPC) LU name of the partner IOAGATE

- *out_conversation_id* - VTAM LU 6.2 (APPC) outgoing conversation identity
- *in_conversation_id* - VTAM LU 6.2 (APPC) incoming conversation identity

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.

*User response:* No action is required.

**ECAC64E** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) *msgType* MESSAGE REJECTED, NO APPL SERVER IS AVAILABLE**

*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 messageValid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL

*User response:* Contact BMC Software Customer Support if the message persists.

**ECAC65E** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) *msgType* MESSAGE REJECTED, REQUIRED ADDR. SPACE(*addrSpaceId*) IS DOWN**

*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 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
- *addrSpaceId* - the internal identity of the address space of the Application

*User response:* 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

*User response:* 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:

- *channelId* - the identity of the channel that rejected the message
- *protocol* - the current channel uses this communication 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

- *applServer* - the name of the unavailable application server

*User response:* Contact BMC Software Customer Support if the message persists.

**ECAC68E** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) *hshakeType* HANDSHAKE(FROM=*local_node_id* TO=*target_node_id*) *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:

- *channelId* - the identity of the channel that rejected the handshake
- *protocol* - the current channel uses this communication protocolValid 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
- *hshakeType* - the type of the handshakeValid values are:
  - CONNECT
  - CONFIRM
  - REJECT
  - INFORM
  - UNKNOWN
- *local_node_id* - the identity of the local node in which the local IOAGATE is running
- *target_node_id* - the identity of the partner node in which the partner IOAGATE is running
- action - the action that IOAGATE is about to perform to the received handshake Valid values are:
  - TO BE REJECTED
  - RECEIVED
  - TO BE PRINTED

IOAGATE disconnects from the IOAGATE that sent this handshake message.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**ECAC6CE** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) *msgType* MESSAGE REJECTED, INVALID SEQUENCE NUMBER(*seqNumber*)**

*Explanation:* IOAGATE rejected the specified message due to an invalid sequence number 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 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

- *seqNumber* - the invalid sequence number that appears in the message

*User response:* If the message persists, contact BMC Software Customer Support.

**ECAC6DE** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) ALLOCATED SIB NOT FOUND FOR *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:

- *channelId* - the identity of the channel that detected the problem
- *protocol* - the current channel uses this communication protocolValid 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 messageValid 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

*User response:* 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 protocolValid 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

*User response:* 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 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
- *addrSpaceId* - the internal identity of the application address space

*User response:* 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 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 message Valid values are:
  - INCOMING
  - OUTGOING

– INTERNAL

- *serviceId* - the code of a transaction to be performed by IOAGATE

*User response:* 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

*User response:* 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 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 message Valid values are:
  - INCOMING
  - OUTGOING
  - INTERNAL
- *appl* - the invalid application code

*User response:* 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

*User response:* 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.

*User response:* 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

*User response:* 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 requestValid 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.

*User response:* 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 requestValid 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.

*User response:* 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 messageValid values for *rsn* are:
  - Message must be encrypted
  - Encryption not configured
  - Encryption disabled

Processing continues. The client that sent the message has disconnected.

*User response:* 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

*User response:* 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.

*User response:* 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.

Connection between IOAGATEs fails.

*User response:* 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.

*User response:* 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.

*User response:* 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 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.

The multiple connection SNA channel shuts down. Processing continues.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**ECAE0VE** **FAILURE TO DECRYPT AN INCOMING MESSAGE: *rsn***

*Explanation:* IOAGATE encountered an internal error when trying to decrypt an incoming message.

In this message, *rsn* is a reason code that shows the reason for the failure.

Valid values for *rsn* are:

- Failure to get ENC_key - failure to retrieve an encryption key
- ENC_decr function failed - the decryption function failed

*User response:* Contact BMC Software Customer Support.

**ECAE0WE** **APPL.SERVER(*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 *applServerName*.

The variables in this message are:

- *applServerName* - the name of the Application server that requested the encryption
- *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.

*User response:* Check the JES log, DAIGLOG, 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.

*User response:* 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(*actn_code*) RECEIVED**

*Explanation:* IOAGATE encountered a severe internal error when trying to perform an internal encryption or decryption function.

In this message, *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.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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
- *applicId* - a list of the applications linked to the channel

*User response:* No action is required.

**ECAE43I** **CHANNEL(*channelId*.SNA) ALL TASKS STARTED, APPLID(*applId*) APPLICATIONS(*applicId*)**

*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
- *applicId* - List of applications linked to the channel

*User response:* 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

*User response:* 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

*User response:* 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

*User response:* No action is required.

**ECAE47I** **CHANNEL(*channelId*.SNA) IS UP, APPLIDS(*applId1*,*applId2*) APPLICATION(*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

*User response:* 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

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 transferredIf the client that resides on the mainframe platform initiated the request, then this is the DD name by which the file was allocated.

*User response:* 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:

- *transfer_id* - the internal identity assigned by IOAGATE to this file transfer
- *protocol_versn* - 2-digit version of the communication file transfer protocol supported by the client
- *elapsed_time* - the amount of time that elapsed from the beginning of the file transfer to its completion, in the format hh:mm:ss.tht where
  - hh - hours
  - mm - minutes
  - ss - seconds
  - tht - tenths, hundredths and thousandths of a second

- *blocks_no* - the total number of blocks received during the entire file transfer
- *bytes_no* - the total number of bytes received during the entire file transfer
- *compression_rate* - the rate (in percent) at which data bytes were compressed in the *transfer_id* file transferIf there was no compression, 00% is displayed.Compression is supported only in relation to clients that support a communication file transfer protocol version of 40 or higher.

*User response:* No action is required.

**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 transferredIf the client that resides on the mainframe platform initiated the request, then this is a DD name by which the file was allocated.

*User response:* 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.

*User response:* 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 failureValid values are:
  - 08 - the error enables processing to continue
  - 12 - unrecoverable error

If an unrecoverable error occurred, processing stops. Otherwise, processing continues.

*User response:* 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

*User response:* Contact BMC Software Customer Support.

**ECAF0CW** **CHANNEL(*channelId*.TCP) COMTASK(*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.

*User response:* No action is required.

**ECAF0DS** **CHANNEL(*channelId*.TCP) COMTASK(*taskId*) CLIENT(*client*) ECAFLTR OBTAINED BAD CALLMODE(*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

*User response:* Contact BMC Software Customer Support.

# Messages ECAG00 through ECAGxx

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

**ECAG00I** **IOAGATE STARTED, RELEASE(*relId*) CCID(*changeLevel*)**

*Explanation:* This information message indicates that the IOAGATE monitor started normally.

The variables in this message are:

- *relId* - the official release and the maintenance level of the IOAGATE
- *changeLevel* - the change that was last applied to the main module of IOAGATE

*User response:* 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.

*User response:* 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.

*User response:* 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 channelValid 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

*User response:* 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.

*User response:* 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***

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| rc | rsn | short_explan | Explanation |
|---|---|---|---|
| 08 | 002C | ELEMENT NAME INVALID | An invalid element name was specified. |
| 08 | 0150 | ELEMENT NAME IN USE | The element name is registered in a different address space. |
| 12 | 0004 | NO ARM SUPPORT | The release of MVS or JES in use does not support the ARM function. |
| 12 | 0104 | MAX ARM USERS | The number of ARM users registered is the maximum permissible. |
| 12 | 0160 | NO ACCESS TO ARM CDS | This system provides no access to an ARM CDS. |

ARM is not enabled. Normal processing continues.

*User response:* 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 commandPossible reasons are:
  - NO PARAMETER SPECIFIED
  - INVALID CHANNEL SPECIFIED
  - SPECIFIED CHANNEL WAS NOT CLOSED

The command is ignored. Normal processing continues.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 may appear more than once. Each occurrence displays a valid modify command.

*User response:* 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.

*User response:* 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.

*User response:* 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, ENCRIPTION 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.

*User response:* 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:

- *rsn* - an internal identity that IOAGATE assigned to this specific problem
- *text* - a description of the failure
- *module* - the module that requested the service
- *call_typ* - the internal call typeValid values are:
  - SHORT - a short configuration of parameters was used in the call
  - CONID - a conversation identity was specified in the call
  - SOCKT - a TCP socket number was specified in the call
- *call_id* - an internal call identity indicating the specific call inside the module
- *queue_typ* - the type of internal queue for which this call was issuedValid values are:
  - INQ - the input queue
  - OUQ - the output queue
- *taskId* - the internal identity of the task that requested the service
- *type* - the internal type of the task that requested the service
- *channelId* - the identity of the channel to which the task belongs

IOAGATE continues processing or shuts down, depending on the failure severity.

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* No action is required.

**ECAG34I** **SERVER TASK S T A T U S 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.

*User response:* 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 initializationThe 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 filed 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.

| Primary Status | Description, Secondary Status, and Information |
|---|---|
| START | The server task is starting. It may also show<br>■ Time in seconds to handle a request, or be in a primary status.<br>■ Startup timed out - The server did not startup within the required time. |
| READY | The server task started and is ready to handle requests. It may also show recovered to indicate that the server recovered successfully. |
| UP | Server task started, for a task that does not use cross-memory communication with the IOAGATE address space. |

| Primary Status | Description, Secondary Status, and Information |
|---|---|
| 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:<br><br>■ awaits recovery - Recovery was suspended for this server task because of internal temporary problems.<br><br>■ recovery disabled - Recovery was disabled for this server task because the MAXRECOV parameter of the ECAPARM configuration file is set to zero.<br><br>■ recovery timed out - The server failed to recover before maximum time elapsed.<br><br>■ 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.<br><br>■ stopped - The DOWN status is the result of automatic recovery stopping.<br><br>■ failed - The DOWN status is the result of the failure of automatic recovery.<br><br>■ unknown - There is no known reason for the DOWN status.<br><br>■ timer on - The timer for the DOWN status is running. |

| Primary Status | Description, Secondary Status, and Information |
|---|---|
| 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:<br>■ Time in seconds to handle a request or being in a WAIT state.<br>■ 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:<br>■ timer on<br>■ timer is running. |
| PENDING | IOAGATE is waiting for this server task to send an internal acknowledgment to IOAGATE address space. May also show:<br>■ ACK pending - A server is in PENDING status.<br>■ Time in seconds to handle a request or be in a PENDING state. |

| Primary Status | Description, Secondary Status, and Information |
|---|---|
| X' *hex_value*' | The status of a server task is unknown. May also show:<br>■ unexpected status - Unknown status is represented by the combination of internal status flags.<br>■ SST damaged - An internal control block that describes a server task is damaged. |

- *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 taskThe 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 spaceThis 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

*User response:* 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.

*User response:* 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:

- *applServer* - the full name of the application server
- *addrSpaceId* - the internal identity of the application server address space

*User response:* 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 resourceAn application server ID acts as the minor name.

*User response:* 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.

*User response:* 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:

- 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.

*User response:* 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.

*User response:* 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*.

*User response:* 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*.

*User response:* 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:

- *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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* No action is required.

**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

*User response:* 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 typeValid 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.

*User response:* 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

*User response:* 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.

*User response:* 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

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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:

- *applServer* - the name of the application server
- *type* - the CM server task type
- *taskId*- the internal identity of this application server task
- *addrSpaceId* - the internal identity of the application server address space
- *channelId* - the identity of the channel to which the application server is linked

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.

*User response:* 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 typeValid 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

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.

*User response:* 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 `F IOAGATE,STOPTID=taskId`, and that command was successfully performed. The STOPTID command shuts down a specific server task.

The variables in this message are:

- *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

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* No action is required.

**ECAG4KW** **SERVER TASK(*applServer.type.taskId.addrSpaceId*) HAS BEEN TERMINATED BY IOAGATE, USER(*userId*) 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

*User response:* 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.

*User response:* No action is required.

**ECAG50I** **CHANNEL(*channelId*.SNA) DEALLOCATE RECEIVED FROM PARTNER, APPLID(*applId*) CONVID(*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

*User response:* 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 channelValid 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.

*User response:* 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, ECAC6CE, ECAC6DE, 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 transactionThese 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 AroundThis was the last message in this direction and a response was required
  - L - LastThe 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 useValid values are:
  - Y (Yes) - DES or 3DES encryption is in use.
  - ' ' (Blank - No encryption is in use.
- *t1* - whether the message is regular or extendedValid values are:
  - R (Regular) - The message is regular.
  - E (Extended) - The message is extended.
- *t2* - indicates the message typeValid 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 typeValid 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

*User response:* 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 channelValid 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.

*User response:* 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 channelValid 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.

*User response:* If the problem persists, call BMC Software Customer Support for assistance.

**ECAG59W** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) "DO NOT PROCESS" INDICATION RECEIVED, MESSAGE DISCARDED**

*Explanation:* This information message indicates that the specified channel received a request with a "Do not process (!)" indication.

The variables in this message are:

- *channelId* - the identity of the channel in which the specified event occurred
- *protocol* - the communication protocol used by the current channelValid 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

*User response:* No action is required.

**ECAG5AI** **DISCARDED: *msg***

*Explanation:* This message follows ECAG59W or ECAG5BW and displays the discarded transaction.

*User response:* No action is required.

**ECAG5BW** **CHANNEL(*channelId.protocol*) TASK(*taskId.type*) HANDSHAKE MESSAGE REJECTED: THERE IS NO MAP SPECIFIED**

*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:

- *channelId* - the identity of the channel that detected the event
- *protocol* - the communication protocol used by the channelValid values are:
  - TCP - TCP/IP communication protocol
  - SNA - SNA communication protocol
- *taskId* - the internal identity of the channel task that detected the event
- *type* - the internal type of the channel task that detected the event

*User response:* No action is required.

**ECAG5CI** **CHANNEL(*channelId.protocol*) *processed* FOR INCOMING CONNECTIONS, APPLICATION(*applicId*)**

*Explanation:* This information message indicates that an F IOAGATE,<cmd_modify> 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 actionValid 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**ECAG5GI** **SHUT COMMAND ISSUED EARLIER BY "CLOSE,SHUT" HAS BEEN CANCELED**

*Explanation:* An F IOAGATE,OPEN=ALL/ *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.

*User response:* No action is required.

**ECAG5HI** **IOAGATE GOES DOWN DUE TO COMMAND "CLOSE=.,SHUT" 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.

*User response:* 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.

*User response:* No action is required.

**ECAG61S** **CHANNEL(*channelId*.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.

*User response:* Contact BMC Software Customer Support.

**ECAG62I** **CHANNEL(*channelId*.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

*User response:* 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

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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:

- *rpl6sns_code* - sense code returned by VTAM
- *rpl6rsn_code* - RPL6 reason code returned by VTAM
- *rpl6detp_code* - DETP reason code returned by VTAM
- *rplsoncd_code* - SONCD UNBIND type code returned by VTAM

*User response:* Try to determine the cause of the problem, and correct it. If you cannot resolve the problem, call your system programmer for assistance.

**ECAG69I** **CHANNEL(*channelId*.SNA) READY FOR COMMUNICATIONS, APPLID(*applId*)**

*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:

- *channelId* - the identity of the channel that is ready for communications
- *applId* - VTAM LU 6.2 (APPC) application ID of the IOAGATE

*User response:* No action is required.

**ECAG70I** **PROBABLE CAUSE: TEMPORARY STORAGE SHORTAGE**

*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.

*User response:* If the problem persists, consider tuning the VTAM buffer. Call your system programmer for assistance.

**ECAG71I** **PROBABLE CAUSE: VTAM IS HALTING**

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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. Communication is recycled when VTAM is going down, or when the retry limit is exceeded. 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**ECAG87I** **CHANNEL(*channelId*.SNA) ESTABLISHED CNOS APPLID(*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

*User response:* 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:

- *channelId* - the identity of the channel over which the specified session was allocated
- *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

*User response:* No action is required.

**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_rc*, see the *VTAM Programming for LU 6.2 Manual*.

*User response:* 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*.

*User response:* 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

*User response:* 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

*User response:* 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, APPLID(*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*.

*User response:* 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 APPLID(*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

For more information on *appc_cmd*, see the VTAM Programming for LU 6.2 Manual.

The IOAGATE recycles the specified SNA channel.

*User response:* 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(*channelId*.SNA) 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.

*User response:* 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(*channelId*.SNA) 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*.

IOAGATE shuts down.

*User response:* 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

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* No action is required.

**ECAL09E** **FAILURE TO RECOGNIZE ECVTPNAM VALUE: *val*.**

*Explanation:* An internal error occurred when trying to identify the operating system level.

*User response:* Contact BMC Software Customer Support.

# Messages ECAP00 through ECAPxx

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

**ECAP01S** **READING FAILED WITH RC(*rc*) REASON(*rsn*)**

*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.

The variables in this message are:

- *rc* - the return code

Valid values for *rc* are:

| Return Code | Explanation |
|---|---|
| 12 | Member not found |
| 16 | Data set is not a library |

| Return Code | Explanation |
|---|---|
| 24 | LRECL is not 80 |
| 28 | Data set in use |
| 36 | Data set not in the catalog |
| 56 | STAE detected an abend |

- *rsn* - the system failure reason code

IOAGATE disables the CONTROL-O application defined in the network map definitions, and processing continues.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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
- *lineNum* - sequential number of the line in which IOAGATE discovered the error

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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 memberValid 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 memberValid values are:

  – SOURCE

  – IOAENV

IOAGATE shuts down.

*User response:* Contact BMC Software Customer Support.

**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.

*User response:* 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 memberValid 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.

*User response:* 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.

*User response:* 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 IOA PARM 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:

| Return Code | Explanation |
|---|---|
| 8 | "Disable map" error encountered |
| 12 | "Stop processing" error encountered |

IOAGATE disables the channel that uses the indicated network map, and tries to continue processing.

*User response:* 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:

| Return Code | Explanation |
|---|---|
| 04 | 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. |
| 12 | severe errors were detected in the network map. Processing of the map failed. |

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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 IOA PARM library that determines the map of IOAGATE connections, and enables one IOAGATE to communicate with another over a multiple connection (MC) channel

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 PARTNERThe 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 variables in this message are:

- *entryId* - the sequential number that identifies the APSERVER definition entry in the ECAPARM configuration file
- *value* - the value specified by the user in the APPL parameter

The identified APSERVER definition *entryId* is ignored. Processing continues.

*User response:* 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 variables in this message are:

- *entryId* - the sequential number that identifies the CHANNEL definition entry in the ECAPARM configuration file
- *channelId* - the identity of the channel to which the problematic APSERVER is linked
- *server_id* - the identity of the problematic APSERVER

The identified APSERVER definition is disabled. Processing continues.

*User response:* 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.

IOAGATE shuts down.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4LE** **entry*Type* 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.

*User response:* Correct the ECAPARM configuration file and restart IOAGATE.

**ECAP4ME** **entry*Type* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- *applicId* - the identity of the disabled application
- *add_space_id* - the identity of the application server address space of the disabled application
- *channelId* - the identity of the channel to which the problematic application server was linked

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 levelValid values for *rc* are:

| Return Code | Explanation |
|---|---|
| 08 | An error occurred during ECAPARM processing. The ECAPARM processor is able to continue ECAPARM processing. |
| 12 | An error occurred during ECAPARM processing. The ECAPARM processor is NOT able to continue ECAPARM processing. |

As indicated in the valid values for *rc*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 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.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**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.

*User response:* 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

*User response:* 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

*User response:* 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(*channelId*.TCP) ALL COMTASKS DEFINED TO CHANNEL(*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:

- *channelId* - the identity of the problematic channel
- *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.

*User response:* 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(*suffix*) IP LIST HAS BEEN {PROCESSED | REFRESHED} SUCCESSFULLY FOR CHANNEL(*channel*)**

*Explanation:* This information message indicates that the IP list member was specified in the ECAPARM member for channel *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:

- *suffix* - one-character suffix used to specify the individual ECAIPLS *x* IP list member name
- *channel* - channel identity that the indicated ECAIPLS *x* IP list specified

*User response:* No action is required.

**ECAP91I** **CHANNEL(*channel*) ECAIPLS(*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

*User response:* 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.

*User response:* 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:

| *indication* | Explanation |
|---|---|
| no indication | Indicates that no error was detected in an IP list source line. |
| ERROR *code* FOUND | 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. |
| RECORD IGNORED | Indicates that an IP list source line was ignored because another line in the IP list repeats the current line. Message ECAP9BW that follows message ECAP93I specifies the sequential number of the duplicate line. |

| *indication* | Explanation |
|---|---|
| ALLOW IGNORED | 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. |
| COMMENT LINE | Indicates that an IP list source line has an asterisk in the first column. The line is not processed. |
| BLANKED LINE | Indicates that an IP list source line contains no valid characters. The line is not processed. |

- *number* - the sequential number of an IP list source line
- *IPListLine* - the contents of an IP list source line

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:
  - IOAIPCV
  - 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.

*User response:* 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
  - 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:
  - IOAIPCV
  - 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

- *member* - the member name specified in the IPLIST channel parameter.
- *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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Specify SSL=NO in the ECAPARM configuration file.

# 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:

- *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

*User response:* No action is required.

**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
- *taskId* - the internal identity of this communication task
- *type* - the internal type of this communication task
- *hostIpAdd* - the IP address of the host of the partner or client
- *appl* - the identity of the application supported by the specified channel

*User response:* No action is required.

**ECAT03I** **CHANNEL(*channelId*.TCP) *task* (*taskId.type*) TERMINATED CONNECTION WITH HOST(*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:

- *channelId* - the identity of the channel that terminated connection with a partner or client
- *task* - the name of the terminated communication task of the specified TCP channel that terminated connection Valid values are:

– SENDER - the sender side of the dual connection TCP 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
- *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.

*User response:* No action is required.

**ECAT04W** **CHANNEL(*channelId*.TCP) *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:

- *channelId* - the identity of the channel that failed to initialize
- *task* - 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

  – COMTASK - the communication task of the multiple connection (MC) TCP channel

- *taskId* - the internal identity of this communication task
- *type* - the internal type of this communication task

Normal processing continues. After one minute, initialization of the indicated TCP channel is attempted again.

*User response:* 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:

- *channelId* - the identity of the channel that detected the event
- *task* - the name of the communication task of the specified TCP channel that detected the event. 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 eventFor 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*.

*User response:* 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.

*User response:* 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

*User response:* 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.

*User response:* 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
- *task* - 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.

*User response:* Refer to the appropriate TCP/IP vendor documentation for information about *errno_id*. If the problem persists, call your network systems programmer for assistance.

**ECAT0AI** **CHANNEL(*channelId*.TCP) *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*
- *type* - the internal type of *task*
- *subsystemName* - the subsystem name that the TCPaccess software will use in this IOAGATE run

*User response:* 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

*User response:* 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

*User response:* 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 disconnectionFor 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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).

*User response:* 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 atttempting a handshake
- *errno* - the reason for the disconnectionFor a description of possible values of *errno*, see the appropriate TCP/IP vendor documentation

*User response:* 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.

*User response:* Try to specify the IP address instead of a Hostname, and restart IOAGATE.

**ECAT0LW** **CHANNEL(*channelId*.TCP) *task* (*taskId.type*) BOTH PARTNER(*node*) AND IOAGATE ARE CONNECTORs**

*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.

*User response:* 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.

**ECAT0ME** **CHANNEL(*channelId*.TCP) *task* (*taskId.type*) PARAMETER(*parm*) INVALID IP ADDRESS(*hostIpAdd*) SPECIFIED, CHANNEL DISABLED**

*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*
- *parm* - the name of the parameter that specifies the invalid IP address.
- *hostIpAdd* - the invalid IP address that caused the problem

IOAGATE disables the indicated channel and tries to continue processing.

*User response:* Correct the IP address and restart IOAGATE.

**ECAT0NE** **CHANNEL(*channelId*.TCP) *task* (*taskId.type*) PARAMETER(*parm*) UNKNOWN HOST(*hostId*) SPECIFIED, CHANNEL DISABLED**

*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.

*User response:* Either correct the Hostname, or specify the IP address instead of a Hostname, then restart IOAGATE.

**ECAT0OI** **CHANNEL(*channelId*.TCP) *task* (*taskId.type*) SOCKIMP(*socket_typ*) CLIENTID(*client_id*)**

*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 IOAGATEValid 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

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**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.

*User response:* 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

*User response:* 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

*User response:* 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 serviceValid 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"
- *codevalue* - the value of the code of the problematic macro or service, or port number

*User response:* 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.

*User response:* 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:

| *rc* | Meaning | Most Probable Cause |
|---|---|---|
| 6 | Key label is not found | A bad KEYLAB parameter was specified in the ECAPARM configuration file |
| 406 | Error while reading or writing data | A CTM/EM client attempted to communicate using TCP/IP without SSL |

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.

*User response:* 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*.

*User response:* 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:

| *rc* | Meaning | Most Probable Cause |
|---|---|---|
| 202 | Error detected while opening the key database | A bad KEYRING parameter is specified in the ECAPARM configuration file |

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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* If the problem persists, contact BMC Software Customer Support.

**ECATS7E** **CHANNEL(*channelID*.TCP) TASK(*taskID*) SSL CLOSE FAILED. RC(*rc*)**

*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.

*User response:* If the problem persists, contact BMC Software Customer Support.

**ECATS8E** **CHANNEL(*channelID*.TCP) TASK(*taskID*) INTERNAL ERROR IN ECAGCCB. RC(*rc*)**

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

# EDA messages

This group includes messages for the CONTROL-M for z/OS includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

## Messages EDAL00 through EDALxx

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.

### 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**EXO201I** **{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.

*User response:* No action is required.

**EXO202S** **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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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, IXGINVNT - Define coupling facility structure.

- DEFLGS, IXGINVNT - Define log stream.
- CONLGS, IXGCONN - Connect to log stream.
- WRITEL, IXGWRITE - Write a log stream log block.
- BRWSEL, 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* If the Logger should be used, create the CMMPLX 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 O2TTSOCM,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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Contact BMC Software Customer Support.

**EXO21AE** **M2S FILE IS OF ANOTHER INSTALLATION QNAME *qname*1. 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.

*User response:* 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 *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.

*User response:* 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*.

*User response:* 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*.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**EXO250E** **RUNTIME SECURITY CLEANUP FAILED, RC=*rc***

*Explanation:* An error with the return code *rc* occurred during interface with the locally used security product.

CONTROL-O or CMEM continues working.

*User response:* Contact BMC Software Customer Support.

**EXO251I** **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.

*User response:* 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.

*User response:* 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:

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| 04 | 00 | Successful completion, minor errors discovered. |
| | 04 | SHL value exceeds 70, truncated. |
| 08 | 04 | Failed to get local IP address. |
| | 08 | Failure to get storage for an SNMP trap. |
| | 12 | Allocation storage has failed. |
| | 16 | Hostname could not be resolved. |
| | 20 | SNMP trap sending failed. |
| | 24 | Socket call failed. |
| | 28 | Internal error; buildTrapMessage() failed. |
| 12 | 04 | Missing SNMP message address. |
| | 08 | Invalid or missing SNMP message length. |
| | 12 | Neither Destination Table nor HOST and PORT provided. |

| Return Code ( *rc* ) | Reason Code ( *rsn* ) | Explanation |
|---|---|---|
| | 20 | Bad or missing HOST parameter when no Destination Table. |
| | 24 | Bad or missing PORT parameter when no Destination Table. |
| | 28 | Invalid Destination Table. |
| | 32 | Specified Destination Table unavailable. |
| | 36 | Specified Translation Table unavailable. |
| | 40 | An invalid IP address was provided in HOST |
| 20 | | Internal error. |

The DO SNMP request is not sent, and fails.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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)

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

| Return Code | Explanation | User Action |
|---|---|---|
| 4 | MVS not running under VM. | Correct the rule containing this DO COMMAND statement. |
| 8 | Insufficient space (GETMAIN failed). | Increase the region size of the CONTROL-O monitor. |
| 12 | IOAVMC not APF authorized. | Contact BMC Software Customer Support for assistance. |
| 16 | FREEMAIN error. | Contact BMC Software Customer Support for assistance. |

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

# F34 messages

This group includes messages for the CONTROL-M for z/OS includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

# Messages F34400 through F344xx

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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**F34495I** **{IOA34F | CTM34F} FINISHED EXECUTING COMMANDS**

*Explanation:* This information message indicates that the IOA34F or CTM34Fprogram finished executing the list of operator commands. This program is usually activated as part of the New Day procedure.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the entry to either YES or NO.

## Messages F34500 through F345xx

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.

**F34500I** **EXECUTING VM COMMAND *cmd***

*Explanation:* This information message is issued by the IOAOPR utility to indicate execution of a VM CP command *cmd*.

*User response:* 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.

*User response:* 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.

*User response:* 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 includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

## Messages FLW0 through FLW0xx

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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**FLW014E** **INTERNAL ERROR (CODE=*err_cod*), PROCESSING STOPPED**

*Explanation:* An internal error occurred.

Processing stops.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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** **CHARS=(*char_set*,*char_set*) IN DD STATEMENT *ddName***

*Explanation:* This informative message indicates the character sets and DD name used for printing the chart.

*User response:* No action is required.

**FLW01AE** **PROCESSING OF AJF FILE TERMINATED *rsn***

*Explanation:* A problem arose while the Active Jobs file (AJF) was being processed.

In this message, *rsn* identifies the problem that caused this message to be issued. The explanation, system action, and user response depend on the value of *rsn*.

If the value of *rsn* is GETMAIN, there is insufficient storage space and the processing of the AJF stops.

If the value of *rsn* is *nnnnnn/ mmmmm/ 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:

- *nnnnnn* - the Relative Block Address (RBA)
- *mmmmm* - the order ID
- *jobName* - the job name

Processing of the AJF stops.

*User response:* The user response depends on the value of *rsn:*

- If the value of *rsn* is GETMAIN, increase the REGION size.

- If the value of *rsn* is *nnnnnn/ mmmmm/ jobName,* do the following:
- Use the Zoom facility (Screen 3.Z) to check the entry, and print the contents of Screen 3.Z.
- Copy the Active Jobs file, for use (if necessary) by BMC Software Customer Support.
- Run the CTMRFLW utility, and print the output.
- Send the printed contents of Screen 3.Z and the printed output of the CTMRFLW utility to your local BMC Software representative.

**FLW0A1W** **SPECIFIED LINESIZE TOO LARGE FOR CHARACTER SETS**

*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.

*User response:* Either correct the specified LINESIZE or change the character sets which are specified in the JCL procedure.

**FLW0A2E** **TOO MANY GROUP PARAMETER CARDS ARE SPECIFIED**

*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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

# FMG messages

This group includes messages for the CONTROL-M for z/OS includes: CONTROL-M/Assist Control-M/Links *for z/OS* CONTROL-M/Restart product.

## Messages FMGI00 through FMGIxx

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.

**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.

*User response:* 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.

*User response:* No action is required.

**FMGI52E** **BUILDING OF ECS COMMUNICATION DATASET FAILED**

*Explanation:* The Enterprise Controlstation Communication Dataset formatting utility failed.

The utility fails.

*User response:* 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.

*User response:* 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 Enterprise Controlstation Communication Dataset file.

The utility stops executing with a condition code of 08.

*User response:* 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.

*User response:* 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.

*User response:* 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 includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages FORM00 through FORMxx

This group includes messages for the CONTROL-D product, including: 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 or CONTROL-D product.

## Messages FRM400 through FRM4xx

This group includes messages for the CONTROL-M or CONTROL-D product.

**FRM450S** **OPEN OF WORK FILE FAILED - DDNAME "DAJOBLST". PLEASE CHECK THE MESSAGES AND CODES MANUAL**

*Explanation:* The New Day procedure was unable to open the file pointed to by the DAJOBLST DD name for update.

After reading the list of CDAM files to be deleted from the file pointed to by DAJOBLST, 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.

*User response:* Determine the reason for the problem, and correct it. Reinstall CONTROL-M/Restart.

**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:

| *taskType* | Explanation |
|---|---|
| JOB | The task was a job. |
| GRP ENTITY | The task was a group entity. |

- *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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 CTMFRCKP 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.

**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.

*User response:* 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*.

*User response:* 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 its 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 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.

*User response:* 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).

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 "DAJOBLST". DELETE OF ARCHIVED SYSOUTS FAILED**

*Explanation:* Open for the DAJOBLST 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 DAJOBLST DD statement is probably missing.

Program execution stops with a condition code of 16.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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:

| *type* | Explanation |
|---|---|
| S | The resource is being used in Shared mode. |

| *type* | Explanation |
|---|---|
| E | The resource is being used in Exclusive mode. |
| R | An unfulfilled critical path request for the resource. |

The system releases the resource.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

# Messages FRM600 through FRM6xx

This group includes messages for the CONTROL-M or CONTROL-D product.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

Valid values for *taskType* are:

| *taskType* | Explanation |
|---|---|
| JOB | The task was a job. |
| GRP ENTITY | The task was a group entity. |

- *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.

*User response:* 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.

*User response:* 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 or CONTROL-D product.

**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.

*User response:* 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 or CONTROL-D product.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

**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.

*User response:* 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.

*User response:* 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.

*User response:* Correct the JCL for the Daily Subsystem and rerun it.

**FRS472S** **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:

- The DASINC DD statement is missing.
- The data set described by the DASINC DD statement is not the IOA Synchronization file.
- 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

### FST722S 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.

*User response:* Correct the PARM string to reflect the active SMF ID, and rerun the job.

**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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**FST731E** **INVALID PARAMETERS**

*Explanation:* The DEFSTAT utility was called with incorrect parameters.

The utility terminates with the return code 08.

*User response:* Correct the parameters and rerun the utility.

# FTM messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages FTM100 through FTM1xx

This group includes messages for the CONTROL-D product, including: CONTROL-D/Image and CONTROL-D/Page on Demand products.

**FTM1T0I** **FILE TRANSFER STARTED**

*Explanation:* This information message indicates that the File Transfer monitor was started.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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 product, including: 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

**FTM2TCS** **THERE ARE NO ACTIVE SUBTASKS**

*Explanation:* This information message indicates that the File Transfer monitor has no active subtasks.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* No action is required.

# FTO messages

This group includes messages for the CONTROL-D includes: CONTROL-D/Image CONTROL-D/Page on Demand product.

## Messages FTOT00 through FTOTxx

This group includes messages for the CONTROL-D product, including: 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.

*User response:* 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

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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.

*User response:* 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

*User response:* Examine accompanying messages that explain the reason for the transfer ending NOT OK.

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