CICS Transaction Gateway
Version 8 Release 1

Messages

IBM

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This edition applies to Version 8.1 of the CICS Transaction Gateway for Multiplatforms program number 5724-I81 and CICS Transaction Gateway for z/OS program number 5655-W10 and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

About this book

This book lists the error and warning messages for the CICS® Transaction Gateway and the CICS Transaction Gateway Desktop Edition.

It is intended for use as a quick reference, with messages organized in alphanumeric sequence. Each message entry gives the message identifier, message text, and further diagnostic and explanatory information.

Conventions and terminology used in this book

The terminology in this book should be familiar to anyone who has used CICS and the supported operating systems.

Prerequisite and related information

Some messages refer to several non-IBM® books; these mainly relate to the platform on which the product is running and it is assumed that these books are available to you.

Messages

CCL0001I **CICS Client Daemon Messages**

Explanation: Information Message

CCL0002I **(C) Copyright IBM Corporation** *Copyright dates* **. All rights reserved.**

Explanation: Information Message

CCL0003I **Press Enter to continue**

Explanation: Information Message

CCL0004I **Press Enter to continue or Esc to cancel**

Explanation: Information Message

CCL0005I **OK**

Explanation: Information Message

CCL0006I **Cancel**

Explanation: Information Message

CCL0007I **Help**

Explanation: Information Message

CCL0008I **More:**

Explanation: Information Message

CCL0009I **User ID:**

Explanation: Information Message

CCL0010I **Password:**

Explanation: Information Message

CCL0011I **CICS Emulator Messages**

Explanation: Information Message

CCL0021I **Server Name:**

Explanation: Information Message

CCL0037I **New Password:**

Explanation: Information Message

CCL0038I **Confirm Password:**

Explanation: Information Message

CCL0049I **Refer to the product documentation for copyright statements**

Explanation: Information Message

CCL0200I ***** IBM CICS Transaction Gateway Client log for** *platform version* **Build Level** *level* *******

Explanation: Information Message

CCL0201I ***** IBM CICS Transaction Gateway Desktop Edition Client log for** *platform version* **Build Level** *level* *******

Explanation: Information Message

CCL0501I **Command options are:**

Explanation: Information Message

CCL0503I **Issue '***INSERT-0* **-?' to list command options**

Explanation: Information Message

CCL0510E **Command option** *option* **is invalid**

Explanation: An invalid command option was specified on the command line.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0511E **Command option** *option* **must specify a value**

Explanation: A command line application was run with no value supplied for the named required option.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0512E **Command option** *option* **cannot be used more than once**

Explanation: The named option was used more than once on the command line. This is invalid.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0513E   **Command option** *option1* **cannot be used with option** *option2*

Explanation: The two named options, used on the command line, were incompatible.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0514E   **Command option** *option1* **or** *option2* **must be provided**

Explanation: The command line did not include one of the named required options.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0515E   **Command option** *option1* **can only be used with** *option2*

Explanation: *option1* was specified on the command line, but *option2* was not also specified. This is invalid.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0516E   **Command option** *option* **is invalid**

Explanation: An invalid command option was specified on the command line.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0517E   **Command option** *option* **must specify a value**

Explanation: A command line application was run with no value supplied for the named required option.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0518E   **Command option** *option* **cannot be used more than once**

Explanation: The named option was used more than once on the command line. This is invalid.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0519E   **Command option** *option1* **cannot be used with option** *option2*

Explanation: The two named options, used on the command line, were incompatible.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0520E   **Command option** *option1* **or** *option2* **must be provided**

Explanation: The command line did not include one of the named required options.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0521E   **Command option** *option1* **can only be used with** *option2*

Explanation: *option1* was specified on the command line, but *option2* was not specified. This is invalid.

System action: The command line application terminates.

User response: Retype the command using the correct options.

CCL0522E   **Command option 'B' requires that 'D' is also specified**

Explanation: The memory trace option 'B' was specified, without specifying that trace is to be switched on with 'D'.

System action: Tracing is not activated, and this error is returned to the user.

User response: Retype the command, specifying 'D' in addition to 'B'.

CCL1001I	CICSFTRC - CICS TG Client Binary Trace Formatter Program

Explanation: Information Message

CCL1002I	Command options are:

Explanation: Information Message

CCL1003I	-M=components - Format trace for specified components

Explanation: Information Message

CCL1004I	-W[=filename] - Format a wrapping trace

Explanation: Information Message

CCL1005I	-N - Perform indentation formatting

Explanation: Information Message

CCL1006I	-D - Insert detailed formatting into trace file

Explanation: Information Message

CCL1007I	-I=filename - Specify the input (binary) filename

Explanation: Information Message

CCL1008I	-O=filename - Specify the output (text) filename

Explanation: Information Message

CCL1009I	-F - Overwrite any existing files

Explanation: Information Message

CCL1010I	-S - Produce summary trace file

Explanation: Information Message

CCL1020I	CICSFTRC has ended

Explanation: Information Message

CCL1021E	Unable to write to text file *filename*

Explanation: The binary trace formatter is unable to write any further information to the Client trace file during conversion of the binary trace.

System action: The binary trace formatter terminates.

User response: Determine the cause of the error. It may be that the disk which the binary trace formatter is writing to is full, or the disk might be write-protected.

CCL1022E	Unable to read from binary file *filename* (offset *offset*)

Explanation: The binary trace formatter tried to format the binary trace file, but could not read the whole file. *offset* is the number of bytes between the start of the trace file and the error.

System action: The binary trace formatter terminates.

User response: Check that the binary trace file has not been deleted or truncated during conversion, and that it is not read-protected.

CCL1023E	Unable to open file *filename*

Explanation: The binary trace formatter is unable to open the specified file for reading or writing as required.

System action: The binary trace formatter terminates.

User response: If the file that is being opened is the binary trace file, check that the file exists and that it is not read-protected. If the file that is being opened is the output text file, make sure that the disk on to which the file is being written is not write-protected.

CCL1024E	Unable to interpret all bytes of binary file *filename* (offset *offset*)

Explanation: The binary trace formatter cannot process the binary trace file *filename,* because the file contains some incorrect data structures. *offset* is the number of bytes between the start of the trace file and the error.

System action: The binary trace formatter terminates.

User response: Make sure that the file being read is a valid binary trace file, and that it was created with the version of the Client daemon currently installed on your system. If the trace file was transferred from another computer, check that it was not damaged in transit. If you still get the same error, delete the binary trace file and run the trace again.

CCL1025E	Not enough memory to convert binary trace file

Explanation: The binary trace formatter has run out of free memory whilst processing the binary trace.

System action: The binary trace formatter terminates.

User response: Increase the amount of available memory in the system by shutting down applications that are not needed, and then re-run the binary trace formatter. You can reduce the amount of memory that the binary trace formatter needs by specifying on the command line the maximum amount of data to convert at any one time (refer to the documentation for further information on how to do this).

CCL1027E Invalid binary trace file *filename* **(version number =** *number* **)**

Explanation: The binary trace formatter detected an invalid version number in the binary trace file.

System action: The binary trace formatter terminates without performing any further processing.

User response: Make sure that the file you are trying to convert is a valid binary trace file and that you are using the most recent version of the binary trace formatter that is available on your system.

CCL1028E Unable to access file *filename* **(offset =** *offset* **)**

Explanation: The binary trace formatter cannot access the section of the binary trace file which is referred to by *filename* . *offset* represents the offset in bytes, from the start of the trace file, where the error occurred.

System action: The binary trace formatter terminates.

User response: Check that the user has access to the binary trace file. Check that the binary trace file has not been truncated.

CCL1029I Trace formatting cannot continue

Explanation: Information Message

CCL1030W Component *component* **not found in binary trace**

Explanation: The binary trace formatter was told to process trace points from a named component, but no trace points from that component were found in the binary trace file.

System action: The binary trace formatter will continue to process the binary trace file.

User response: To prevent this message being displayed, ensure all the components you specify on the command line of the binary trace formatter exist in the binary trace.

CCL1031I *INSERT-0* % formatted

Explanation: Information Message

CCL1032I Do you want to overwrite *filename* **[Y | N]?**

Explanation: Information Message

CCL1033E Trace file *filename* **contains no data**

Explanation: The trace file that has been specified does not contain any trace data. This can occur if memory mapped trace wrapping is being used, and the

trace was not on for long enough for all of the trace files to be used.

System action: The binary trace formatter will terminate. An empty text output file will be produced.

User response: Either format the entire wrapping trace using the 'w' option, or choose another wrapping file to format.

CCL1034E No trace files in the wrapping sequence contain any data

Explanation: Memory mapped wrapping trace is being used. None of the trace files in the sequence contain any data.

System action: The binary trace formatter will terminate. An empty text output file will be produced.

User response: If the problem persists contact your service organization.

CCL1035E Trace file *filename* **is out of sequence**

Explanation: A memory mapped trace is being formatted. File *filename* is not in the correct point in the sequence.

System action: The binary trace formatter will terminate. No formatted output will be produced.

User response: If the files have been renamed, verify that they have been given the correct sequence number in the file type suffix. If files have been transferred from another machine, verify that they have not been corrupted.

CCL1041E Error in function *function* **(Error Code =** *error* **)**

Explanation: A system or internal product function failed.

System action: The message is written to the error log.

User response: If the problem persists, contact your service organization.

CCL1046E Error in function *function* **(Error Code =** *error* **)**

Explanation: A system or internal product function failed.

System action: The message is written to the error log. The function name and error code are logged.

User response: If the problem persists, contact your service organization.

CCL1047E **Error in the EPI (Function =** *function***, Error Code =** *Error***, TermNumber =** *Termnumber* **)**

Explanation: An internal EPI error has occurred.

System action: The message is written to the error log. The function name and error code are logged, together with the TermNumber.

User response: If the problem persists, contact your service organization.

CCL1048E **Error in function** *function* **(Error Code =** *error* **)**

Explanation: An system or internal Client function failed.

System action: The message is written to the error log. The function name and error code are logged.

User response: If the problem persists, contact your service organization.

CCL1100I **The following list shows what components can be traced**

Explanation: Information Message

CCL1101I **An 'X' indicates which components are enabled**

Explanation: Information Message

CCL1102I *INSERT-0* [*INSERT-1*] **CICSCLI Command Process**

Explanation: Information Message

CCL1104I *INSERT-0* [*INSERT-1*] **Protocol Drivers (Level 1)**

Explanation: Information Message

CCL1105I *INSERT-0* [*INSERT-1*] **Protocol Drivers (Level 2)**

Explanation: Information Message

CCL1106I *INSERT-0* [*INSERT-1*] **API (Level 1)**

Explanation: Information Message

CCL1107I *INSERT-0* [*INSERT-1*] **API (Level 2)**

Explanation: Information Message

CCL1108I *INSERT-0* [*INSERT-1*] **Client Daemon**

Explanation: Information Message

CCL1109I *INSERT-0* [*INSERT-1*] **Terminal Emulators**

Explanation: Information Message

CCL1111I *INSERT-0* [*INSERT-1*] **C++ Class Libraries**

Explanation: Information Message

CCL1112I *INSERT-0* [*INSERT-1*] **Workload Manager**

Explanation: Information Message

CCL1114I *INSERT-0* [*INSERT-1*] **Client Daemon Statistics**

Explanation: Information Message

CCL1115I *INSERT-0* [*INSERT-1*] **All Components**

Explanation: Information Message

CCL1116I *INSERT-0* [*INSERT-1*] **Interprocess Communication (Level 1)**

Explanation: Information Message

CCL1117I *INSERT-0* [*INSERT-1*] **Interprocess Communication (Level 2)**

Explanation: Information Message

CCL1120I **Trace has not been started**

Explanation: Information Message

CCL1121I **Component trace started to:** *component list*

Explanation: Information Message

CCL1122E **Re-type list of components as the current list is invalid**

Explanation: You have specified a list of components on the command line, but one or more of the components in the list is invalid.

System action: The request that required a list of components to be specified is ignored.

User response: Refer to the CICS Transaction Gateway Information Center for a list of valid components and retype the request.

CCL1123I   **Reading binary trace file** *filename*

Explanation: Information Message

CCL1124I   **Reading binary trace files** *filename1* **and**
                 filename2

Explanation: Information Message

CCL1125I   **Generating text trace file** *filename*

Explanation: Information Message

CCL1126E   **The new trace component list failed to**
                 be persistent

Explanation: The list of trace components was
changed but there was a problem storing this new list.

System action: The current trace session will continue
to use the components specified, but they will not
become the default.

User response: Turn trace off and on, and re-specify
the component list.

CCL1127I   **Updated trace component list to:** *list*

Explanation: Information Message

CCL1128I   **Generating text summary trace file**
                 filename

Explanation: Information Message

CCL1129I   **Reading** *num* **files in the sequence**
                 filename, **''***wrapname* **<n>' ...**

Explanation: Information Message

CCL1160E   **Error: DaemonAbend driven for**
                 Signal==%d1

Explanation: The system has thrown a signal that has
been caught by the Client daemon and has entered the
DaemonAbend function for processing.

System action: The message is written to the error log.
The signal code is logged.

User response: Investigate what caused the system to
generate the signal. If the problem persists, contact
your service organization.

CCL1161E   **Error: DaemonExit driven for**
                 Signal==%d1

Explanation: The system has thrown a signal that has
been caught by the Client daemon and has entered the
DaemonExit function for processing.

System action: The message is written to the error log.
The signal code is logged.

User response: Investigate what caused the system to
generate the signal. If the problem persists, contact
your service organization.

CCL1164E   **Error:** *message* **(Error Code =** *error* **)**

Explanation: An internal product error occurred.

System action: The message is written to the error log.

User response: If the problem persists, contact your
service organization.

CCL1195E   **Unable to open binary trace file** *filename*

Explanation: The Client cannot open the binary trace
file for writing.

System action: The Client continues, but tracing is
disabled.

User response: Check that the directory into which
the binary trace file is being written is not write
protected.

CCL1197E   **Unable to write to binary trace file**
                 (Error Code = *Error Code* **)**

Explanation: The binary trace file opened successfully,
but an error occurred while a trace point was being
written.

System action: The Client continues, but tracing is
disabled.

User response: Check that the permissions of the trace
file have not changed.

CCL1198E   **Out of memory while running with**
                 trace on

Explanation: There is not enough available memory
for tracing to continue.

System action: The Client continues, but tracing is
disabled.

User response: Make more memory available to the
Client and then try again.

CCL1199E   **No memory buffer - unable to perform**
                 tracing operations

Explanation: An internal error has occurred. The
Client is unable to buffer its writes to the trace file.

System action: The Client continues, but tracing is
disabled.

User response: If the problem persists, contact your
service organization.

CCL1205E **Invalid system return code (Function =** *Function***, Error Code =** *Error* **)**

Explanation: An internal system function has returned an error while tracing was turned on.

System action: The Client continues, but tracing is disabled.

User response: If the problem persists, contact your service organization.

CCL1206E **Internal error (Function =** *Function***, Error Code =** *Error* **)**

Explanation: An internal function has returned an error whilst tracing was turned on.

System action: The Client continues, but tracing is disabled.

User response: If the problem persists, contact your service organization.

CCL1207E **Security failure - the owner of the binary trace file has changed**

Explanation: This message will appear in the log file on UNIX and Linux if the owner of the trace file changes. For security reasons, you may not change the owner of the trace file whilst trace is running.

System action: The Client continues, but tracing is disabled.

User response: Restart trace and make sure that the owner of the trace file does not change.

CCL1208E **Trace initialization failure**

Explanation: An internal error prevented tracing from being turned on.

System action: The Client continues, but tracing is disabled.

User response: If the problem persists, contact your service organization.

CCL1209E **Trace file deleted whilst tracing active**

Explanation: The trace file was deleted whilst tracing was active.

System action: This message is written to the error log. Tracing continues.

User response: Deleting the trace file while tracing is active is not recommended. To limit the size of the trace file, set the maximum Client wrap size. Refer to the CICS Transaction Gateway Information Center for more details.

CCL1210W **Trace component** *component* **is invalid and will be ignored**

Explanation: The specified trace component is not valid.

System action: Tracing continues, but the specified component is ignored.

User response: Remove the reference to the invalid component.

CCL1211I **Start wrapping trace request (total wrapping size =** *INSERT-0***, size of each wrap file =** *INSERT-1***, number of files =** *INSERT-2* **)**

Explanation: Information Message

CCL1212E **Error acquiring trace lock (Function =** *Function***, Error Code =** *Error* **), halting trace**

Explanation: A system error has caused the trace lock semaphore to become unobtainable.

System action: Tracing is terminated to prevent the possibility of further error messages.

User response: Investigate what caused the system error to occur, check the Client log for previous errors that may indicate the cause of the problem. Shut down the Gateway and Client daemons and then restart.

CCL1213E **Unable to activate memory mapped trace, because wrapping trace is not enabled**

Explanation: The CICSCLI -B option has been used to specify memory mapping trace, but MAXWRAPSIZE is 0, or is not set in the configuration file ctg.ini. Memory mapped trace can be used only if trace wrapping is enabled.

System action: Tracing will be written using standard file I/O instead of memory mapped trace.

User response: Specify a maximum Client wrap size, restart the Client and invoke memory mapped trace again.

CCL1214W **A thread ended while writing a trace point (pid =** *pid***, tid =** *tid***, trace pt =** *trace pt***, buffer size =** *size* **)**

Explanation: This message is output when running with trace on. It indicates a thread ended while holding the trace lock, possibly leaving a partially written trace point in the internal trace buffer. Before the thread ended, it recorded the process id *pid*, thread id *tid* and trace point number *trace pt* in the trace buffer. This message is output during normal process termination and may be output if a thread terminates unexpectedly.

System action: This message is logged, and Client trace continues. The specified trace point may not appear in the trace.

User response: Ignore this warning if the message is logged during termination of the specified process. Otherwise if the warning persists, contact your service organization.

CCL1215E   **A thread ended unexpectedly while writing a trace point (buffer size =** *size* **)**

Explanation: A thread ended unexpectedly, leaving a partially written trace point in the internal trace buffer. The buffer contains too little information to determine which trace point was being written when the thread ended.

System action: This message is logged, and Client trace continues. The individual trace point being written is lost.

User response: If the problem persists, contact your service organization.

CCL1216E   **Unable to activate memory mapped trace, due to insufficient space on file system**

Explanation: The MAXWRAPSIZE parameter in the configuration file ctg.ini controls the maximum wrapping size of memory mapped trace. This is set to a value which is larger than the available space in the filesystem that trace is written to.

System action: This message is logged. Client tracing is not activated.

User response: Either increase the file system so that it can contain the full trace file, or reduce the value of MAXWRAPSIZE.

CCL1501E   **Unexpected return from WaitForMultipleObjects (Error =** *error number* **)**

Explanation: The Client service process received an unexpected return code from the Windows API function WaitForMultipleObjects.

System action: This message is written to the error log file. The service will terminate.

User response: Inspect the Windows application event log, other messages may indicate the cause of failure. If the problem persists, contact your service organization.

CCL1521E   **Exception** *exception* **raised in** *class* **::***method* **during 'call' request**

Explanation: The exception named, one of the Ccl::ExCode enumeration values, was raised during the execution of the *class* ::*method* method during the server request indicated by the 'call' value. An exception object

encapsulating details of the exception is passed to CclECI::handleException or CclEPI::handleException and/or thrown via the C++ exception mechanism.

System action: The message is written to the trace file if tracing is enabled.

User response: None.

CCL1540E   **Unable to change to user** *user*

Explanation: ctgd was unable to change the effective user ID of the running process to the specified user. This is due to either the current user having insufficient privilege, or the specified user ID being invalid.

System action: The Gateway daemon does not start.

User response: Check that the current user has sufficient privilege to change user ID and that the user ID specified in ctgd.conf is valid.

CCL1541E   **Unable to change to group** *group*

Explanation: ctgd was unable to change the effective group of the running process to the specified group. This is due to either the current user having insufficient privilege, or the specified group being invalid.

System action: The Gateway daemon does not start.

User response: Check that the current user has sufficient privilege to change group and that the group specified in ctgd.conf is valid.

CCL1542E   **Unable to start** *program* **(errno =** *error* **)**

Explanation: ctgd was unable to start the specified program. The specific error code can be referenced in the documentation for your operating system.

System action: The program in question, typically the Gateway daemon, does not start.

User response: Ensure that the path is absolute and the user specified in ctgd.conf has permission to execute it.

CCL2001E   **Server** *server* **is undefined**

Explanation: The Client daemon received a request for a server, but the server is not defined in the configuration file.

System action: The request fails but the Client daemon continues.

User response: Ensure the server name specified by the ECI or EPI application, or by the 3270 Emulator is correct. If required, add the server name to the configuration file, then stop and restart the product to activate the changes.

CCL2003W   **Server** *server* **requires a security identification**

Explanation: The Client daemon received a request destined for a secure server. The server required a valid userid and password before it could accept the request and these were not supplied.

System action: If pop-up windows are enabled, the Client daemon displays a pop-up panel allowing a userid and password to be entered or the request to be cancelled. Otherwise this message is written to the Client error log.

User response: Enter a valid userid and password to allow the request to be processed by the server. This message can be avoided either by ensuring that an ECI application supplies a valid userid and password or by using the cicscli -c command to set the server security.

CCL2004E   **The Client daemon cannot continue**

Explanation: An error was detected.

System action: The Client daemon terminates.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL2005I   **The Client daemon will continue**

Explanation: Information Message

CCL2006I   **Refer to the Client error log for more details**

Explanation: Information Message

CCL2007E   **Free memory is exhausted**

Explanation: The Client daemon ran out of memory while processing a request.

System action: The request fails and the Client daemon attempts to continue processing.

User response: Try altering the values in the configuration file to provide a larger free memory pool or to reduce the overall memory requirements.

CCL2008E   **An internal state error occurred**

Explanation: The Client daemon detected an unexpected internal error.

System action: Error information is written to the Client error log.

User response: If the problem persists, contact your service organization.

CCL2009E   **An unexpected error has occurred**

Explanation: The Client daemon detected an unexpected error.

System action: Error information is written to the Client error log.

User response: If the problem persists, contact your service organization.

CCL2010E   **Internal transport error (Function =** *Function***, Error Code =** *Error* **)**

Explanation: An internal Client function failed.

System action: The message is written to the error log and the Client terminates. The function name and error code are logged.

User response: If the problem persists, contact your service organization.

CCL2011E   **Out of memory creating session control structure**

Explanation: The Client was unable to allocate enough memory to create an internal control structure for a new server conversation.

System action: The message is written to the error log and processing continues. The conversation is not created.

User response: Try altering the values in the configuration file ctg.ini to provide the Client with a larger free memory pool or to reduce the overall memory requirements.

CCL2012E   **Unable to find session entry (***session id***,** *slot number* **)**

Explanation: The Client was unable to locate an internal control structure for an existing server conversation.

System action: The message is written to the error log and processing continues. The conversation is ended.

User response: If the problem persists, contact your service organization.

CCL2013E   **Out of memory creating terminal control structure**

Explanation: The Client was unable to allocate enough memory to create an internal control structure associated with an emulator or EPI terminal.

System action: The message is written to the error log and processing continues. The control structure is not created.

User response: Try altering the values in the configuration file ctg.ini to provide the Client with a

larger free memory pool or to reduce the overall memory requirements.

CCL2014E   Unable to find terminal entry (_session id_**,** _terminal index_**,** _terminal id_ **)**

Explanation: The Client was unable to locate an internal control structure associated with a terminal or EPI program. This may occur if an ATI request is received for a terminal that no longer exists because either the Client or the terminal was shut while the ATI was in transit.

System action: The message is written to the error log and Client processing continues but the emulator may be unable to continue.

User response: If the problem persists, contact your service organization.

CCL2015E   Unable to find server entry (_link id_ **)**

Explanation: The Client received an event associated with an unconnected server.

System action: The message is written to the error log and processing continues. The event is ignored.

User response: If the problem persists, contact your service organization.

CCL2016E   Invalid communications event identifier (_event id_ **)**

Explanation: The Client received an unknown event from one of the communications protocol drivers.

System action: The message is written to the error log and processing continues. The event is ignored.

User response: If the problem persists, contact your service organization.

CCL2017W   Default userid has been set to spaces

Explanation: The default userid has been set to a value which contains only spaces.

System action: The message is logged, and processing continues.

User response: When using connection security, blank userids and passwords are valid only if 'Usedfltuser' is set to YES in the CICS connection definition.

CCL2018E   Internal function error (Function = _Function_**, Error Code =** _Error_ **)**

Explanation: An internal function failed.

System action: The message is written to the error log and processing continues. The function name and error code are logged.

User response: If the problem persists, contact your service organization.

CCL2024E   Unknown application (SessId=_session_ **)**

Explanation: The Client tried to send a response to an unknown application. Often this occurs if the application has ended before its response was received. The _session_ value identifies the application.

System action: The message is written to the trace file if tracing is enabled.

User response: None.

CCL2044E   Out of memory creating Client daemon control structure

Explanation: The Client was unable to allocate enough memory to create an internal control structure.

System action: The message is written to the error log and processing continues if possible.

User response: Try altering the values in the configuration file ctg.ini to provide the Client with a larger free memory pool or to reduce the overall memory requirements.

CCL2051E   CICS system transaction _tran_ **failed on server** _server_

Explanation: The specified Client system transaction _tran_ failed to run on the specified server. If connecting to a CICS TS for iSeries server, a failure of transaction CCIN indicates that the server is not available.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL2052E   Cannot open error log file _file name_

Explanation: The Client daemon could not open or write to the specified error log file.

System action: Log messages are lost.

User response: Check that the name specified in the LogFile parameter in the configuration file is correct and accessible.

CCL2053E   Cannot open trace file _file name_ **- tracing has been disabled**

Explanation: The Client daemon could not open or write to the specified trace file.

System action: Trace information is not captured.

User response: Check that the name specified in the TraceFile parameter in the configuration file is correct and accessible.

CCL2054I   **A CICS server error has occurred**

Explanation: Information Message

CCL2070E   **'MaxBufferSize' limit of** *size* **exceeded by incoming data length** *length*

Explanation: The Client received data from a server that exceeded the MaxBufferSize limit. The *size* value indicates the current MaxBufferSize setting and the *length* value indicates the length of the incoming data.

System action: The message is written to the error log and processing continues.

User response: Try altering the value of MaxBufferSize in the configuration file ctg.ini to at least the size of the incoming data.

CCL2079E   **Failed to put transport message, retry number** *number*

Explanation: The Client has attempted to put a transport message to a window owned by the Client application. This has failed, the most likely reason for this is that the message queue associated with the windows Client application is full.

System action: The message is written to the trace file if tracing is enabled. The Client allows windows to process messages in the queue and then tries posting the transport message again, a number of times.

User response: Try using SetMessageQueue to increase the size of the message queue.

CCL2087W   **Server** *server*, **user ID invalid, please re-enter**

Explanation: The userid entered in the previous security pop-up panel is not known to the receiving security system.

System action: The Client daemon displays a pop-up panel allowing a userid and password to be re-entered or the request to be cancelled.

User response: Enter a valid userid and password to allow the request to be processed by the server.

CCL2088W   **Server** *server*, **Password invalid, please re-enter**

Explanation: The password entered in the previous security pop-up panel is incorrect.

System action: The Client daemon displays a pop-up panel allowing a userid and password to be re-entered or the request to be cancelled.

User response: Enter a valid userid and password to allow the request to be processed by the server.

CCL2089W   **Server** *server*, **Password expired, please change**

Explanation: The password entered in the previous security pop-up panel has expired.

System action: The Client daemon displays a pop-up panel allowing the password to be changed or the request to be cancelled.

User response: Enter the expired password, a new password and confirm the new password to allow the request to be processed by the server.

CCL2090W   **Server** *server*, **New Password unacceptable, please re-enter**

Explanation: The new password entered in the previous security pop-up panel is unacceptable to the receiving security system.

System action: The Client daemon displays a pop-up panel allowing a new password to be supplied or the request to be cancelled.

User response: Enter the expired password, a new password and confirm the new password to allow the request to be processed by the server.

CCL2091W   **New and Confirm Passwords do not match, please re-enter**

Explanation: The new password and confirm passwords entered in the previous security pop-up panel do not match.

System action: The Client daemon displays a pop-up panel allowing a new password to be supplied or the request to be cancelled.

User response: Enter the expired password, a new password and confirm the new password to allow the request to be processed by the server.

CCL2094E   **Unable to access print output file for terminal** *netname*

Explanation: The Client daemon failed to open the print output file for the specified terminal.

System action: The terminal screen data is not printed to file.

User response: Ensure that the file system permissions for the specified file are sufficient for the Client daemon to write to the file and that no other processes have the file open. If the problem persists, contact your service organization.

CCL2119E	**CCIN transaction failed with return code** *error code*

Explanation: The CCIN transaction that is run to install a connection definition on the CICS server failed with the specified return code. A return code of 7 indicates the code page of the Client daemon is not supported by the CICS server. A return code of 5 indicates that the CICS server is busy and can be returned if the APPLID specified in the CICS Transaction Gateway configuration file is already in use by another connection to the same CICS server.

System action: The connection to the CICS server is not established.

User response: If the problem is not due to one of the listed causes, contact your service organization.

CCL2153I	**Userid or password is too long**

Explanation: Information Message

CCL2162W	**The Client daemon process has become unresponsive**

Explanation: An internal element of work took more than 30 seconds to complete.

System action: This message is output.

User response: Check if any requests have failed to respond. If this problem continues contact your service organization.

CCL2163I	**The Client daemon is configured to gather problem diagnosis information if it becomes unresponsive**

Explanation: Information Message

CCL2164I	**The Client daemon is configured to gather problem diagnosis information when CCL** *CCL message number* **is written to the log**

Explanation: Information Message

CCL2165I	**The CTGDIAG environment variable is set to** *CTGDIAG*

Explanation: Information Message

CCL2214I	**Terminal sessions outstanding on disconnection of server** *server* **=** *request count*

Explanation: Information Message

CCL2215I	**Terminal sessions outstanding on Client daemon shutdown =** *request count*

Explanation: Information Message

CCL2218I	**The initialization of the Client daemon is complete**

Explanation: Information Message

CCL2219I	**A normal shutdown of the Client daemon has started, requests outstanding =** *request count*

Explanation: Information Message

CCL2220I	**An immediate shutdown of the Client daemon has started, requests outstanding =** *request count*

Explanation: Information Message

CCL2221I	**The Client daemon has shut down**

Explanation: Information Message

CCL2222I	**About to connect to server** *server*

Explanation: Information Message

CCL2223I	**Connected to server** *server* **using** *protocol* **to** *netname*

Explanation: Information Message

CCL2224I	**An immediate disconnection from server** *server* **has started, requests outstanding =** *request count*

Explanation: Information Message

CCL2225I	**A normal disconnection from server** *server* **has started, requests outstanding =** *request count*

Explanation: Information Message

CCL2226I	**Disconnection from server** *server* **using** *protocol* **to** *netname* **complete**

Explanation: Information Message

CCL2227I	**Service trace has started**

Explanation: Information Message

CCL2228I   **Memory mapped trace has started**

Explanation: Information Message

CCL2229I   **Client components to trace have been set to** *trace components*

Explanation: Information Message

CCL2230I   **Service trace has ended**

Explanation: Information Message

CCL2231I   **Terminal on server** *server* **with TermID** *termID* **and NetName** *netname* **has been installed**

Explanation: Information Message

CCL2232I   **A request to delete terminal with TermID** *termID* **and NetName** *netname* **has been sent to server** *server*

Explanation: Information Message

CCL2233I   **A request to purge terminal with TermID** *termID* **and NetName** *netname* **has been sent to server** *server*

Explanation: Information Message

CCL2234W   **CCIN Timeout occurred (Server=***server name***, LinkId=***link id* **)**

Explanation: An attempt has been made to connect to a CICS server but no response to the CCIN request has been received by the Client daemon.

System action: The connection to the CICS server is closed. The server will be removed from the list of servers and CICS TG will attempt to reconnect only if a request for that server is received.

User response: Check the CICS server to determine why it did not respond to the CCIN request. If the problem persists, contact your service organization.

CCL2236I   **Security settings (user ID and password) have been changed for server** *server*

Explanation: Information Message

CCL2237E   **The client information log cannot be opened for writing**

Explanation: The configuration file contains an entry for an information log file, but the file specified could not be opened for writing.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL2238I   **Server** *server* **is configured to use the SNA protocol with NETNAME** *NETNAME* **and LOCALLUNAME** *LUNAME*

Explanation: Information Message

CCL2239I   **Server** *server* **is configured to use the TCP/IP protocol with NETNAME** *NETNAME* **and PORT** *LUNAME*

Explanation: Information Message

CCL2240E   **The client log cannot be opened for writing**

Explanation: The configuration file contains an entry for a log file, but the file specified could not be opened for writing.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3001W   **Errors detected at or before line** *number* **in file** *file name* **with details in the following message**

Explanation: Errors were detected at or before the specified line in the configuration file. The following message will highlight the error and its severity.

System action: The Client daemon might terminate.

User response: See the following message for details and correct the configuration file, then restart the product.

CCL3002E   **Cannot find configuration file** *file name*

Explanation: The specified configuration file could not be found.

System action: The Client daemon terminates.

User response: Ensure that the required configuration file exists and is correctly specified.

CCL3003E   **Missing = sign after parameter** *parameter*

Explanation: An = sign was expected after a parameter in the configuration file.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3004E   **Parameter** *text* **not recognized**

Explanation: An unknown parameter starting with specified text was encountered in the configuration file.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3005E   **Parameter** *parameter* **repeated or misplaced**

Explanation: A valid parameter was encountered in the wrong position in the configuration file.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3006E   **Parameter** *parameter* **has invalid value** *value*

Explanation: A valid parameter had an incorrect value specified in the configuration file.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3007E   **Inconsistent values for parameters** *parameter 1* **and** *parameter 2*

Explanation: The values of certain parameters specified in the configuration file have dependencies on each other. The values for the two specified parameters are inconsistent.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3008E   **Required parameter** *parameter* **missing**

Explanation: The specified parameter is missing from the configuration file and must be provided.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3009E   **Not enough memory for Client daemon initialization**

Explanation: There was not enough free memory to process the configuration file.

System action: The Client daemon terminates.

User response: Try altering the values in the configuration file to provide a larger free memory pool or to reduce the overall memory requirements.

CCL3010E   **Missing driver definition for protocol** *protocol*

Explanation: The value of the protocol parameter in a Server section of the configuration file must match with the name of a Driver section. No matching driver definition was found for the named protocol.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3011E   **Errors detected while reading file** *file name*

Explanation: Errors were encountered while reading the configuration file.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3012E   **Duplicate** *section* **section definition**

Explanation: A Client, Server, or Driver section in the configuration file has the same name as a previously specified section.

System action: The Client daemon terminates.

User response: Correct the configuration file error and restart the product.

CCL3013E   **Unable to access file** *file name***, rc=***rc*

Explanation: Errors were encountered while accessing file *file name* .

System action: The Client daemon terminates.

User response: Change the file permissions and restart the product.

CCL3014W   **MAXREQUESTS parameter value is too high; the maximum permitted value** *max* **has been used**

Explanation: The MAXREQUESTS parameter in the configuration file has been set to a value higher than the maximum allowed.

System action: The Client daemon sets MAXREQUESTS to the maximum allowed (*max*) and continues.

User response: To avoid this message being logged at startup, correct the configuration file. The CICS Transaction Gateway Desktop Edition is intended for single user use only; CICS Transaction Gateway for Multiplatforms can be configured to handle a higher number of concurrent requests.

CCL3015W   **Both 'CTG.INI' and 'ctg.ini' configuration files exist, using default file 'ctg.ini'**

Explanation: The default directory contains both uppercase and lowercase versions of the configuration file.

System action: The Gateway daemon will use the default file 'ctg.ini' as no configuration filename has been specified. The contents of file 'CTG.INI' will be ignored.

User response: To avoid this warning being issued, explicitly specify a configuration file or delete file 'CTG.INI' from the default directory. For details of how to specify a configuration file refer to the CICS Transaction Gateway Information Center.

CCL3016E   **The use of Windows credentials for security is not supported**

Explanation: The USENPI option exists in a server section of the configuration file, USENPI is no longer supported.

System action: The Client daemon terminates.

User response: Edit the configuration file, remove all USENPI statements.

CCL3017E   **The TCP62 protocol is not supported**

Explanation: Parameters in either one or both of the server and driver sections of the configuration file have been configured to use TCP62. This product does not support TCP62.

System action: This message is logged and the Client daemon fails to start.

User response: The CICS Transaction Gateway Information Center provides details and examples of how to configure the Client daemon to use a range of supported network protocols to connect to CICS.

CCL3018W   **SECTION CLIENT parameter "Application ID" is deprecated**

Explanation: The "Application ID" parameter specified on SECTION CLIENT is deprecated, it is replaced by a new APPLID parameter.

System action: The Application ID specified on SECTION CLIENT will be used when communicating with CICS servers.

User response: Refer to the CICS Transaction Gateway Information Center for details of the new APPLID parameter.

CCL3019W   **SECTION CLIENT parameter "Application ID" is overridden by SECTION PRODUCT parameter "APPLID"**

Explanation: The "Application ID" parameter specified on SECTION CLIENT is deprecated and is overridden by the new APPLID parameter.

System action: The APPLID value specified in SECTION PRODUCT will be used when communicating with CICS servers.

User response: Set the APPLID parameter to the value required and set "SECTION CLIENT = *".

CCL3020W   **SECTION SERVER =** *Server Name* **parameter "LUALIASNAMES" is deprecated**

Explanation: The LUALIASNAMES parameter specified in the SECTION SERVER is deprecated. On a Windows platform LUALIASNAMES is replaced by parameters LOCALLUALIAS and PARTNERLUALIAS, on a UNIX or Linux platform LUALIASNAMES is replaced by PARTNERLUALIAS.

System action: On a Windows platform the value of parameters LOCALLUALIAS and PARTNERLUALIAS is set to the same value specified for LUALIASNAMES, on a UNIX or Linux platform PARTNERLUALIAS defaults to Y.

User response: Refer to the CICS Transaction Gateway Information Center for details of the parameters LOCALLUALIAS and PARTNERLUALIAS.

CCL3021W   **SECTION SERVER =** *Server Name* **parameter "LUALIASNAMES" is overridden by SECTION SERVER parameters "LOCALLUALIAS" and, or "PARTNERLUALIAS"**

Explanation: The LUALIASNAMES parameter specified in the SECTION SERVER is deprecated and is overridden. On a Windows platform LUALIASNAMES is replaced by parameters LOCALLUALIAS and PARTNERLUALIAS. On a UNIX or Linux platform LUALIASNAMES is replaced by PARTNERLUALIAS.

System action: When LOCALLUALIAS and, or PARTNERLUALIAS is specified the value of LUALIASNAMES is ignored.

User response: Set the parameters LOCALLUALIAS and PARTNERLUALIAS to the required values.

CCL3022W   **The name of** *section* **section** *name* **contains characters that are not supported**

Explanation: The specified section has a name containing characters that are not in the set of supported characters for server definitions. Supported

characters are A-Z and 0-9 and '@', '#', '$', '-'.

System action: The Client daemon continues.

User response: Edit the name of the specified section in the configuration file so that it contains only supported characters.

CCL3023E **The Named pipe protocol is not supported**

Explanation: Parameters in a SERVER section or a DRIVER section of the configuration file have been configured for the named pipe protocol. This product does not support the named pipe protocol.

System action: This message is logged and the Client daemon fails to start.

User response: Remove the named pipe protocol parameters from the configuration file. The CICS Transaction Gateway Information Center provides details and examples of how to configure the Client daemon to use a range of supported network protocols to connect to CICS.

CCL3102E **Inbound GDS data error (***gds***, ***length***, ***size***)**

Explanation: The Client received invalid data from a server. The data does not have a valid CICS data stream header. The *gds* value should be either 0x12F2 or 0x12FF, the *length* value gives the expected data length, and *size* gives the true received length.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL3103E **Inbound SYNC/ROLL data error (***length***, ***data***)**

Explanation: The Client received invalid data from a server. The data was not part of a valid SYNC or ROLLBACK flow. The *length* values gives the length of the received data and *data* contains the first four bytes.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL3104E **Inbound FMH43 header error (***length***)**

Explanation: The Client received invalid data from a server. The data was not a valid CICS FMH43 header. The *length* values gives the length of the received data.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL3105E **Inbound CICS datastream error (***type***, ***value1***, ***value2***)**

Explanation: The Client received invalid data from a server. The data was not a valid CICS data stream. The *type* value indicates which part of the data contained errors, *value1* and *value2* further identify the error. This message may be received if the server does not support sign-on capable terminals.

System action: The message is written to the error log and processing continues.

User response: Use the option to request a non-sign-on capable terminal. If the problem persists, contact your service organization.

CCL3106E **Out of memory unpacking CICS datastream**

Explanation: The Client was unable to allocate enough memory to save data from a server. Normally such data is a COMMAREA associated with an emulator terminal.

System action: The message is written to the error log and processing continues.

User response: Try altering the values in the configuration file ctg.ini, to provide the Client with a larger free memory pool or to reduce the overall memory requirements.

CCL3107E **Inbound FMH5 transaction name incorrect (***data***)**

Explanation: The Client received an invalid transaction attach request from a server. The only valid transaction name is CRSR, used to start ATI requests to a terminal. The *data* value indicates the requested transaction name.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL3108E **Inbound FMH5 header error (***length***)**

Explanation: The Client received invalid data from a server. The data was not a valid CICS FHM5 header. The *length* value gives the length of the received data.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL3109E   Cannot connect to server *server* **- client is already installed**

Explanation: The client name specified in the Client section of the configuration file was already installed on the specified server.

System action: The server rejects the Client daemon's installation request.

User response: Ensure all Client names are unique within the network or specify the name as "*" to enable a suitable unique name to be generated automatically.

CCL3110E   Cannot connect to server *server* **- server is busy**

Explanation: The specified server was busy and could not process the Client daemon installation request.

System action: The server rejects the Client daemon's installation request.

User response: Retry the request sometime later when the server is not so busy. If the problem persists contact your server administrator.

CCL3111E   Cannot connect to server *server* **- server rejected install request**

Explanation: The specified server could not process the Client installation request.

System action: The server rejects the Client daemon's installation request, server continues processing.

User response: Examine the Client error log and, if possible, trace information on both the Client and server to determine the cause of the error.

CCL3112E   Cannot connect to server *server* **- request rejected by server exit**

Explanation: A user exit running on the specified server rejected the request to install the Client definition.

System action: The server rejects the Client's installation request, the Client daemon continues processing.

User response: Check with the server system administrator to determine why the Client installation request was rejected.

CCL3120E   PEM response data error: ReqType=*Request Type***, ErrorValue=***value*

Explanation: The Client received the password expiry management (PEM) transaction response from a server. The data contained in the corresponding PEM request contained a data formatting error.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL3121E   Cannot connect to server *server* **- invalid code page specified**

Explanation: The code page value sent to the server was rejected.

System action: The server rejects the Client's installation request, the Client daemon continues processing.

User response: If the CCSID parameter has been specified in ctg.ini, check that the value specified is valid. Otherwise, check with the server system administrator to determine why the code page value was rejected.

CCL3123E   Terminal install failed because server '*server* **' does not support terminals over TCP/IP**

Explanation: CICS TS does not support EPI or cicsterm when using the TCP/IP protocol. The *server* value defines the server that the terminal install failed with.

System action: The server rejects the terminal installation request. The Client daemon logs this error message. The connection between the Client daemon and server remains active.

User response: Configure the Client daemon to use the SNA protocol to connect to CICS TS.

CCL3209E   Link to server (*link* **) is no longer available**

Explanation: The Client tried to communicate with a server whose connection is currently unavailable.

System action: The message is written to the error log and processing continues. The server is ignored.

User response: If the problem persists, contact your service organization.

CCL3221E   Unable to find link control structure (*link* **)**

Explanation: The Client was unable to locate an internal control structure associated with a connection to a server.

System action: The message is written to the error log and processing continues. The server is ignored.

User response: If the problem persists, contact your service organization.

CCL3222E   Unable to find conversation control structure (*conv*)

Explanation: The Client was unable to locate an internal control structure associated with a server conversation.

System action: The message is written to the error log and processing continues. The conversation is ignored.

User response: If the problem persists, contact your service organization.

CCL3225E   Invalid communications event identifier (*event*)

Explanation: The Client received an invalid internal event from a communications protocol driver.

System action: The message is written to the error log and processing continues. The event is ignored.

User response: If the problem persists, contact your service organization.

CCL3227E   Conversation (*conv*) is not in *state* state

Explanation: The Client detected a conversation to a server in an incorrect state.

System action: The message is written to the error log and processing continues. The request is ignored.

User response: If the problem persists, contact your service organization.

CCL3228E   Unable to find protocol control structure (*name*, *driver*)

Explanation: The Client was unable to locate an internal control structure associated with a communications protocol driver.

System action: The message is written to the error log and processing continues. The driver is ignored.

User response: If the problem persists, contact your service organization.

CCL3229E   Cannot load protocol driver *driver*

Explanation: The specified communications protocol driver module could not be found or loaded.

System action: No communication can take place using the protocol, the Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3230E   Out of memory creating communications control structure

Explanation: The Client daemon was unable to allocate enough memory to create an internal control structure associated with communications.

System action: The message is written to the error log and processing continues.

User response: Close other applications running to provide the Client daemon with more memory.

CCL3247E   Error loading DLL *fullname* (Function = *Function*, Error Code = *Error*)

Explanation: The Client was unable to load a communications protocol driver DLL.

System action: The message is written to the error log and processing continues. The name of the failing DLL and the loading function and error codes are logged.

User response: Ensure the DLL is available and correctly named. If it is the SNA protocol driver that cannot be loaded as it is unable to load the required libraries from the SNA product, set the environment variable LD_LIBRARY_PATH to include the location of those libraries. If the problem persists, contact your service organization.

CCL3260E   EPI application cannot communicate with the Client daemon

Explanation: The Client application cannot communicate with the Client daemon.

System action: This message is written to the log file. The EPI request returns CICS_EPI_ERR_FAILED.

User response: This is expected behavior if the Client daemon has been stopped or restarted while an EPI session is active. First shut down the Gateway daemon if it is running, then shut down the Client daemon, and finally restart the Gateway daemon. If you are running a local mode Java application, shut it down and then restart it. Code any user applications that receive this error to restart the EPI by issuing a CICS_EpiTerminate call, followed by CICS_EpiInitialize to reinitialize the EPI; subsequent requests should complete successfully. Alternatively program applications to end if they receive this error. If the Client daemon had not been stopped or restarted, and the problem persists, contact your service organization.

CCL3261E   ECI application cannot communicate with the Client daemon

Explanation: The Client application cannot communicate with the Client daemon.

System action: This message is written to the log file. The ECI request returns ECI_ERR_SYSTEM_ERROR.

User response: This is expected behavior if the Client daemon has been stopped while an application, or the Gateway daemon is active. First shut down the Gateway daemon if it is running, then shut down the Client daemon, and finally restart the Gateway daemon. If you are running a local mode Java application shut it down and then restart it.

CCL3280E	Errors occurred while initializing protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors during startup.

System action: No communications can take place using the protocol, the Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3281E	Errors occurred while terminating protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors while it was closing down.

System action: The error is ignored and the Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3282E	Errors occurred while connecting to a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors while it was trying to connect to a server.

System action: The Client daemon cannot communicate with the server, the Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3283E	Errors occurred while disconnecting from a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors while it was closing a connection with a server.

System action: The error is ignored and Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3284E	An error occurred while starting a conversation with a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported an error while it was starting a new conversation with a connected server.

System action: The request to start the conversation fails and the Client daemon continues processing.

User response: Examine the Client error to determine the cause of the problem. If the problem persists contact your service organization.

CCL3285E	Errors occurred while closing a conversation with a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors while it was closing a conversation with a connected server.

System action: The request to close the conversation fails and the Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3286E	Errors occurred while sending data to a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors while it was sending data over a conversation with a connected server.

System action: The request that sent the data fails and the Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3287E	Errors occurred while receiving data from a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors while it was receiving data from a conversation with a connected server.

System action: The request that required the data fails and the Client daemon continues processing.

User response: Examine the Client error log and, if

possible, trace information to determine the cause of the error.

CCL3288E   Errors occurred while communicating with a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported errors while it was communicating or trying to communicate with a server.

System action: The request that initiated the communications fails and the Client daemon continues processing.

User response: Examine the Client error log and, if possible, trace information to determine the cause of the error.

CCL3292E   Error loading DLL *fullname* **(Function =** *Function*, **OS Error Data =** *Error* **)**

Explanation: The Client was unable to load a communications protocol driver DLL.

System action: The message is written to the error log and processing continues. The name of the failing DLL, the loading function and error data are logged.

User response: Ensure the DLL is available and correctly named. If the problem persists, contact your service organization.

CCL3293E   An error occurred while accepting a conversation from a server using protocol driver *driver*, **driver return code** *return code*

Explanation: The specified communications protocol driver module reported an error while it was accepting a new conversation from a connected server.

System action: The request to accept the conversation fails and the Client daemon continues processing.

User response: Examine the Client error to determine the cause of the problem. If the problem persists contact your service organization.

CCL3299E   Internal communications error (Function = ** *Function*, **Error Code = ** *Error* **)

Explanation: An internal Client communications function failed.

System action: The message is written to the error log and the Client terminates. The function name and error code are logged.

User response: If the problem persists, contact your service organization.

CCL4401E   TCP/IP not available

Explanation: The TCP/IP protocol driver cannot issue TCP/IP calls on this system. TCP/IP may not be installed or may not be active on the system.

System action: The message is written to the error log and processing continues.

User response: Alter the system configuration to try to activate or install TCP/IP. If the problem persists, contact your service personnel.

CCL4402E   TCP/IP out of memory for data buffers

Explanation: The TCP/IP protocol driver could not allocate enough memory to create the internal data buffers.

System action: The message is written to the error log and processing continues.

User response: Try altering the values in the configuration file ctg.ini, to provide the Client with a larger free memory pool or to reduce the overall memory requirements.

CCL4403E   TCP/IP (to *server* **) no resources available: ErrNo=** *error* **(** *label* **)**

Explanation: The TCP/IP protocol driver could not create a TCP/IP socket. The *server* value identifies the server. The *error* value identifies the TCP/IP error code. The *label* value provides a description of the error.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4404E   TCP/IP unable to resolve IP name '*netname* ' **for server '** *server* '**: ErrNo=** *error* **(** *label* **)**

Explanation: The TCP/IP protocol driver could not resolve a server host IP name. The *netname* value identifies the IP name and *server* identifies the server. The *error* value gives the TCP/IP error code. The *label* value provides a description of the error.

System action: The message is written to the error log and processing continues.

User response: Ensure the server IP name or address is correct and can be resolved by the local name server. Use the TCP/IP ping or nslookup commands to see if TCP/IP can resolve the host name. If the problem persists contact your service organization.

CCL4405E   TCP/IP (to *server*) out of memory for control blocks

Explanation: The TCP/IP protocol driver could not allocate enough memory to create the internal control structures; *server* identifies the server.

System action: The message is written to the error log and processing continues.

User response: Try altering the values in the configuration file ctg.ini, to provide the Client with a larger free memory pool or to reduce the overall memory requirements.

CCL4406E   TCP/IP (to *server*) send() API failed, ErrNo = *error* (*label*)

Explanation: The TCP/IP protocol driver could not send data to a server. The *server* value identifies the server. The *error* value gives the TCP/IP error code. The *label* value shows the description of the error.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4407E   TCP/IP (to *server*) connect() API failed, ErrNo = *error* (*label*)

Explanation: The TCP/IP protocol driver could not connect to a server. The *server* value identifies the server. The *error* value gives the TCP/IP error code. The *label* value shows the description of the error.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4408E   TCP/IP (to *server*) recv() API failed, ErrNo = *error* (*label*)

Explanation: The TCP/IP protocol driver could not receive data from a server. The *server* value identifies the server. The *error* value gives the TCP/IP error code. The *label* value shows the description of the error.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4409E   TCP/IP (to *server*) error starting listener

Explanation: The TCP/IP protocol driver could not start an internal listener function; *server* identifies the server.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4410E   TCP/IP requires WINSOCK *required* (*found* installed)

Explanation: The TCP/IP protocol driver for Windows requires a WINSOCK DLL of at least version *required*, however version *found* was found to be installed. The *required* and *found* values indicate the version of WINSOCK required and found respectively.

System action: The message is written to the error log and processing continues.

User response: Ensure your TCP/IP product provides a suitable level of the WINSOCK DLL and the system is correctly configured. If the problem persists, contact your service organization.

CCL4413I   TCP/IP (to *server*) address=*ipaddr*, port=*port*, socket=*socket*

Explanation: Information Message

CCL4414E   TCP/IP (to *server*) link failed: RC=*error*

Explanation: The TCP/IP link failed. The *server* value identifies the server and the *error* value gives the TCP/IP error code.

System action: The message is written to the trace file if tracing is enabled.

User response: If the problem persists, contact your service organization.

CCL4415W   TCP/IP (to *server*) abend received: SenseCode=*sense code*

Explanation: The transaction failed. The *server* value identifies the server and the *sense code* value gives the FMH7 sense data.

System action: The message is written to the trace file if tracing is enabled.

User response: If the problem persists, contact your service organization.

CCL4425E   TCP/IP Allocation for memory block failed rc = *rc*

Explanation: During TCP/IP processing a memory allocation failed.

System action: The message is written to the trace file if tracing is enabled.

User response: None.

CCL4426E   **TCP/IP (to** *server* **) Error when attempting to send good ping response, rc=** *rc*

Explanation: An error occurred when attempting to send a good ping response.

System action: The message is written to the trace file if tracing is enabled.

User response: None.

CCL4427E   **TCP/IP (to** *server* **) Received unknown ping**

Explanation: Received a flow that looks like a ping but cannot be interpreted by the existing criteria.

System action: The message is written to the trace file if tracing is enabled.

User response: None.

CCL4430E   **TCP/IP (to** *server* **) Bad send error number** *error*

Explanation: The TCP/IP send got a bad return code.

System action: The message is written to the trace file if tracing is enabled.

User response: None.

CCL4436E   **TCP/IP (to** *server* **) Unable to allocate memory for conversation control block**

Explanation: The protocol driver was unable to allocate memory when starting a conversation.

System action: The conversation will not be allocated, this message is logged and the Client daemon continues.

User response: Free up some memory and retry.

CCL4437E   **TCP/IP (to** *server* **) select failed, ErrNo =** *error* **(** *error description* **)**

Explanation: The TCP/IP socket select call completed with an error. The *error* value gives the TCP/IP error code. The *error description* value shows the description of the error.

System action: The message is written to the error log and processing continues.

User response: Check the configuration for the given server *server*, specifically check the address of the server machine and the port that the CICS server is using. Check the basic connectivity to the server using the "ping" command to check the address of the server machine is accessible on the network. Check that the CICS server is up and listening on the expected port. If the problem persists, contact your service organization.

CCL4438E   **TCP/IP (to** *server* **) select timed out**

Explanation: The TCP/IP socket select call timed out.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4439E   **TCP/IP (to** *server* **) select failed because file descriptor not set**

Explanation: A TCP/IP socket select call could not complete as the file descriptor had not been set.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4440E   **TCP/IP (to** *server* **) Socket closed**

Explanation: The TCP/IP socket being used has closed. This message can be logged during shutdown of a server connection if the CICS server closes the socket when it receives a CCIN uninstall request.

System action: The message is written to the error log and processing continues.

User response: Ignore this error if it occurs during shutdown of the Client daemon or a server connection. Otherwise, if the problem persists, contact your service organization.

CCL4441E   **TCP/IP (to** *server* **) Host unreachable**

Explanation: The host specified is unreachable.

System action: The message is written to the trace file and processing continues

User response: If the problem persists, contact your service organization.

CCL4443E   **TCP/IP (to** *server* **) Repeatedly unable to send to CICS**

Explanation: The Client daemon could not send to the CICS server. The send was retried until the retry count was exceeded. This error can be caused by a full local send buffer or a full remote receive buffer.

System action: The link to the server is marked as unavailable and will need to be reconnected before it can be used again.

User response: Re-establish the connection and try increasing the size of the TCP/IP send and receive buffers.

CCL4446E   **TCP/IP (to** *server* **) TCP/IP send() API call timed out (errno =** *label* **)**

Explanation: The TCP/IP socket send call did not complete within 5 seconds. The *label* value gives the TCP/IP error code.

System action: The message is written to the error log and processing continues. The send call is expected to complete within 5 seconds and not doing so may indicate an underlying problem in the OS or network hardware.

User response: If the problem persists, contact your service organization.

CCL4450I   **TCP/IP send to** *INSERT-0* **timed out; connection closed**

Explanation: Information Message

CCL4455E   **TCP/IP socket returned by getaddrinfo for IP name '**able*netname* **' is not IPv4 or IPv6 for server '**_server_ **'**

Explanation: The TCP/IP protocol driver could not resolve the server host IP name to an IPv4 or IPv6 socket.

System action: The message is written to the error log and processing continues.

User response: Correct the server IP name or address to be that of an IP socket. If the problem persists contact your service organization.

CCL4499E   **TCP/IP (to** *server* **) data to be received overflows buffer**

Explanation: The TCP/IP protocol driver received more data than its buffer space could hold. The *server* value identifies the server, the data is discarded.

System action: The message is written to the error log and processing continues.

User response: If the problem persists, contact your service organization.

CCL4523E   **TCP/IP Header validation failed with rc =** *rc* **for server** *server*

Explanation: The header information on the data received from the TCP/IP socket did not pass validation tests.

System action: The connection to the server is closed.

User response: If the problem persists, contact your service organization.

CCL4601E   **Memory allocation of display buffer failed**

Explanation: There was insufficient free memory for the Client SNA protocol driver to retrieve LU 6.2 information from the APPC provider.

System action: The SNA protocol driver is not initialized.

User response: Free up some memory and retry.

CCL4602E   **Memory allocation of receive buffer pool failed**

Explanation: There was insufficient free memory for the Client SNA protocol driver to receive data from any servers.

System action: The SNA protocol driver is not initialized.

User response: Free up some memory and retry.

CCL4603E   **Memory allocation of send buffer failed**

Explanation: There was insufficient free memory for the Client SNA protocol driver to send data to any servers.

System action: The SNA protocol driver is not initialized.

User response: Free up some memory and retry.

CCL4605E   **Begin thread to handle inbound ATI requests failed**

Explanation: Creation of thread, to handle inbound allocate requests from ATI to Client terminals, failed.

System action: The SNA protocol driver is not initialized.

User response: If the problem persists, contact your service organization.

CCL4606E   **Netname** *partner LU name* **has an invalid length for an alias name**

Explanation: The specified *partner LU name* in the 'NETNAME' parameter in your configuration file has an invalid length for this SNA protocol driver and 'PARTNERLUALIAS' parameter setting. The maximum length of an alias name is 8 characters, the minimum length is 1.

System action: The connection to the partner LU is not started.

User response: Refer to the CICS Transaction Gateway Information Center to determine whether or not this SNA protocol driver requires the use of alias names. Correct the 'NETNAME' and/or 'PARTNERLUALIAS' parameters in the configuration file and retry.

CCL4607E   Netname *partner LU name* **has an invalid length for a fully qualified name**

Explanation: The specified *partner LU name* in the 'NETNAME' parameter in your configuration file has an invalid length for this SNA protocol driver and 'PARTNERLUALIAS' parameter setting. The maximum length of a fully qualified name is 17 characters (********.********). The minimum length is 1.

System action: The connection to the partner LU is not started.

User response: Refer to the CICS Transaction Gateway Information Center to determine whether or not this SNA protocol driver supports fully qualified names. Correct the 'NETNAME' and/or 'PARTNERLUALIAS' parameters in the configuration file and retry.

CCL4608E   Memory allocation of link data block failed for *server* **connection**

Explanation: There was insufficient free memory for the Client SNA protocol driver to open a link to the specified server.

System action: The Client continues.

User response: Free up some memory and retry.

CCL4609E   Retrieval of LU 6.2 information for *server* **connection failed, APPC return code** *primary RC*, *secondary RC*

Explanation: The Client SNA protocol driver was unable to open a link to the specified server because retrieval of LU6.2 information from the APPC provider failed. The APPC DISPLAY verb failed with the specified return code.

System action: The Client continues.

User response: If the problem persists, contact your service organization.

CCL4610E   LU 6.2 information for *server* **connection not all returned on retrieval**

Explanation: The Client SNA protocol driver was unable to open a link to the specified server because not all of the LU6.2 information could be obtained from the APPC provider.

System action: The Client continues.

User response: If the problem persists, contact your service organization.

CCL4611E   Local LU *LU name* **is not defined**

Explanation: The Client SNA protocol driver was unable to open any link using this LU because it is not defined to IBM Communications Manager/2.

System action: The Client continues.

User response: Define the LU to the Communications SNA Server or correct the 'LocalLUName' parameter in your configuration file ctg.ini and retry.

CCL4612E   Partner LU *partner LU name* **is not defined**

Explanation: The Client SNA protocol driver was unable to open any link using this partner LU because it is not defined to IBM Communications Manager/2.

System action: The Client continues.

User response: Define the partner LU to IBM Communications Manager/2 or correct the 'NetName' parameter in your configuration file ctg.ini and retry.

CCL4613E   Communication Subsystem not loaded, APPC return code *primary RC*

Explanation: APPC could not execute the verb because Communications Manager had not started APPC. Either Communications Manager has not been started or it has not been configured correctly for the application.

System action: The Client continues.

User response: Start Communications Manager if it is not active. If the necessary APPC profiles are not configured, configure them and restart Communications Manager.

CCL4614E   Open connection to *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb TP_STARTED failed with the specified return code. The connection to the specified server has not been started.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4615E   Close connection to *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb TP_ENDED failed with the specified return code.

System action: The Client connection to the specified server is closed.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4616E   Memory allocation of conversation data block failed for *server* **connection**

Explanation: There was insufficient free memory for the Client SNA protocol driver to start a conversation with the specified server.

System action: The Client continues.

User response: Free up some memory and retry.

CCL4617E   No contention-winner sessions free

Explanation: APPC could not allocate a conversation because no free sessions were available.

System action: The Client continues.

User response: Wait until one or more existing conversations have finished and retry.

CCL4618E   SNASVCMG or CPSVCMG is not a valid mode name, APPC return code *primary RC*, *secondary RC*

Explanation: An attempt was made to allocate a Client conversation in SNASVCMG or CPSVCMG sessions mode. These are not valid modes.

System action: The Client continues.

User response: Change the 'Modename' parameter in the configuration file ctg.ini and retry.

CCL4619E   Mode name *mode name* **is not configured, APPC return code** *primary RC*, *secondary RC*

Explanation: The specified mode has not been defined.

System action: The Client continues.

User response: Check whether the mode has been configured, and the spelling of the 'ModeName' parameter in the configuration file ctg.ini.

CCL4620E   Allocate session to *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb ALLOCATE failed with the specified return code. A conversation with the specified server has not been started.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4621E   Deallocate session to *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb DEALLOCATE failed with the specified return code.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4622E   Begin thread to receive data for ATI conversation with *server* **failed**

Explanation: A Client thread could not be created to process the queue holding inbound attach requests; _beginthread failed.

System action: The SNA protocol driver is not initialized.

User response: Contact your system administrator.

CCL4623E   Begin thread to receive data for conversation with *server* **failed**

Explanation: A Client thread could not be created to receive data from the server for the current conversation; _beginthread failed.

System action: The conversation is deallocated.

User response: Contact your system administrator.

CCL4624E   Inbound ATI initialization failed with return code *return code*

Explanation: An attempt to allocate resources for inbound allocate requests from ATI to Client terminals has failed.

System action: The Client continues but all inbound request processing is terminated.

User response: Check SNA configuration for ATI Side Information Profile entry.

CCL4625E   Error processing inbound ATI request, all ATI processing terminated

Explanation: An error occurred during an inbound ATI request.

System action: The Client continues but all inbound request processing is terminated.

User response: Contact your system administrator.

CCL4626E   **Attach Manager stopped, APPC return code** primary RC**,** secondary RC

Explanation: The Client received an inbound ATI attach request but the receive allocate failed because the attach manager was stopped.

System action: The inbound allocate request is rejected.

User response: Start the attach manager.

CCL4628E   **Attempt to set SNA Logical Unit of Work id for this conversation failed with APPC return code** primary RC**,** secondary RC

Explanation: The APPC verb SET_TP_PROPERTIES failed with the specified return code.

System action: The property change request is ignored. The client daemon attempts to continue. The SNA Logical Unit of Work (LUW) id for this conversation may not be unique.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4629E   **Receive_allocate for ATI request failed with APPC return code** primary RC**,** secondary RC

Explanation: The APPC verb RECEIVE_ALLOCATE failed with the specified return code.

System action: The inbound allocate request is rejected.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4630E   **Send data to** server **failed with APPC return code** primary RC**,** secondary RC

Explanation: The APPC verb SEND_DATA failed with the specified return code.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4631E   **Receive data from** server **failed with APPC return code** primary RC**,** secondary RC

Explanation: The APPC verb RECEIVE_AND_POST failed with the specified return code and sense code.

System action: The client sends a deallocate abend to the server to terminate the conversation.

User response: An example return code is X'0003' received with sense code X'10086040'. This refers to an invalid attach parameter in the reply flow and can occur if ATTACHSEC=verify is specified on the connection definition in CICS, but the CICS server does not have security enabled. To rectify this, either set ATTACHSEC=local or enable security in CICS. Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4632E   **Error receiving data from** server**, APPC what_received return parameter is** APPC return code

Explanation: An APPC RECEIVE returned an unexpected data_received or conversation status_received indicator.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4633E   **Memory allocation of receive buffer failed**

Explanation: There was insufficient free memory for the Client SNA protocol driver to receive data on the current conversation.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Free up some memory and retry the transaction.

CCL4634E   **Create semaphore for ReceiveAndPost failed, return code** operating system return code

Explanation: An attempt to set post semaphore for receiving conversation data failed.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Contact your system administrator.

CCL4635E   **Allocate session to** server **failed, TP name** TP name **unknown, APPC return code** primary RC**,** secondary RC

Explanation: The server rejected the incoming attach because the Client or Client application specified a TP name that the server did not recognize.

System action: The Client continues.

User response: Ensure that the specified TP is installed on the server.

CCL4636E   **Allocate session to** *server* **failed with APPC return code** *primary RC*, *secondary RC* **- retryable**

Explanation: APPC could not allocate a conversation but retrying without intervention may succeed. APPC was probably unable to activate a link or a session.

System action: The Client continues.

User response: Retry the operation. If retrying does not succeed, refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4637E   **Allocate session to** *server* **failed with APPC return code** *primary RC*, *secondary RC* **- not retryable**

Explanation: APPC could not allocate a conversation and intervention is required to correct the problem.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4638E   **Prepare to receive data from** *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb PREPARE_TO_RECEIVE failed with the specified return code.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Refer to your APPC Programming Reference for further or contact your system administrator.

CCL4639E   **Receive data from** *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb RECEIVE_IMMEDIATE failed with the specified return code.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4640E   **Error receiving data from** *server*, **APPC what_received return parameter is** *APPC return code*

Explanation: An APPC RECEIVE returned an unexpected data_received or conversation status_received indicator.

System action: The Client sends a deallocate abend to

the server to terminate the conversation.

User response: Refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4641E   **Send data and deallocate to** *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb SEND_DATA with DEALLOCATE type failed with the specified return code.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4642E   **Invalid number of parameters defined for TP program** *EXE name*

Explanation: The TP program was invoked because of an inbound allocate request but the IBM Communications Manager definition for the TP program has an invalid number of parameters defined.

System action: The inbound allocate request is rejected.

User response: Refer to the CICS Transaction Gateway Information Center, correct the TP definition, and retry.

CCL4643E   **Invalid TP name parameter defined for TP program** *EXE name*

Explanation: The TP program was invoked because of an inbound allocate request but the IBM Communications Manager definition for the TP program has an invalid TP name parameter defined.

System action: The inbound allocate request is rejected.

User response: Refer to the CICS Transaction Gateway Information Center, correct the TP definition, and retry.

CCL4648E   **Receive data from** *server* **unsuccessful after partial data received, APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb RECEIVE_IMMEDIATE failed with the specified return code after some data had already been received.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Try altering the 'SnaRetryCount' parameter in the configuration file ctg.ini and retry. Refer to the CICS Transaction Gateway Information Center for details about this parameter.

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CCL4649E   **Post on receipt of data from** *server* **failed with APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb POST_ON_RECEIPT failed with the specified return code.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4650E   **Partner LU name** *netname* **is not fully qualified**

Explanation: The partner LU name specified in the 'NETNAME' parameter in your configuration file was not qualified by the SNA network name (NETID). The format is NETID.LU_NAME.

System action: The connection to the partner LU is not started.

User response: If using alias LU names, set the 'PARTNERLUALIAS' parameter to 'Y' and retry. If not using alias LU names, correct the 'NETNAME' parameter and retry.

CCL4651E   **Allocate session to** *server* **unsuccessful after** *number* **retry attempts, APPC return code** *primary RC*, *secondary_RC*

Explanation: The attempt to allocate a session to the specified server was unsuccessful after the number of retries specified in your configuration file ctg.ini.

System action: The Client continues.

User response: Contact your system administrator.

CCL4652E   **Conversation with** *server* **failed, APPC return code** *primary RC*, **retry**

Explanation: A temporary failure prematurely ended the conversation.

System action: The Client continues.

User response: Retry the operation. If retrying does not succeed, refer to your APPC Programming Reference for further information, or contact your system administrator.

CCL4653E   **Conversation with** *server* **failed, APPC return code** *primary RC*, **no retry**

Explanation: A permanent failure prematurely ended the conversation. The link to the server has probably failed.

System action: The Client continues.

User response: Refer to your APPC Programming

Reference for further information or contact your system administrator.

CCL4654E   **CNOS for mode** *mode* **sessions to** *server* **failed, APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb CNOS failed with the specified return code. The connection to the specified server has not been started.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4655E   **Partner LU** *server* **maximum session limit is zero, APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb CNOS failed because the local maximum session limit of the partner LU is 0. The connection to the specified server has not been started.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further the particular error or contact your system administrator.

CCL4656E   **Mode** *mode* **not recognized by partner LU, APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb CNOS failed as the partner LU does not recognize the specified mode name. The connection to the specified server has not been started.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further information on the error or contact your system administrator.

CCL4657E   **SNA Server has no active services**

Explanation: The Client SNA protocol driver was unable to open a link to the specified server because SNA server has no active services.

System action: The Client continues.

User response: Activate the relevant service via SNA Server Administration or contact your system administrator.

CCL4658E   **WinAPPCStartup failed with return code** *Windows APPC RC*

Explanation: The Client SNA protocol driver was unable to open a link to the specified server because it failed to register itself with the currently installed

Windows APPC implementation.

System action: The Client continues.

User response: Contact your system administrator.

CCL4659E   **Local LU** *LU name* **is not defined on an active service/node**

Explanation: The Client SNA protocol driver was unable to open any link using this LU because it is not defined on an active SNA service/node.

System action: The Client continues.

User response: Activate the relevant service SNA service or define the LU to an active SNA service/node or correct the 'LocalLUName' parameter in your configuration file ctg.ini and retry.

CCL4660E   **Partner LU** *partner LU name* **is not defined in a connection with local LU** *LU name*

Explanation: The Client SNA protocol driver was unable to open any link using this partner LU because it is not defined in a connection with the specified local LU on an active SNA service/node.

System action: The Client continues.

User response: Define a connection between the specified local and partner LUs on an active SNA service/node or correct the 'NetName' parameter in your configuration file ctg.ini and retry.

CCL4661E   **SNA stack component was not loaded or was terminated, APPC return code** *primary RC*

Explanation: A required SNA stack component could not be loaded or was terminated while processing an APPC call. On Windows this error could indicate that the IBM CICS Transaction Gateway service does not have the required Windows domain logon authority to communicate with the Communications Server.

System action: IBM CICS Transaction Gateway continues but SNA connections are not available.

User response: Refer to the documentation for your Communications Server for possible causes of this error. If the problem persists, contact your service organization.

CCL4662E   **Load of SNA stack library** *DLL name* **failed, return code** *Windows return code*

Explanation: LoadLibrary failed, the Client could not load the specified dynamic link library.

System action: The Client SNA protocol driver is not loaded.

User response: Install and configure one of the supported products for SNA transport, if this has not already been done, and ensure that the DLL is in the LoadLibrary search path; then retry. Or contact your system administrator.

CCL4665E   **TP program not available on** *server*, **APPC return code** *primary RC*, *secondary RC*, **retry**

Explanation: APPC could not start a remote TP program retrying without intervention may succeed.

System action: The Client continues.

User response: Retry the operation. If retrying does not succeed, refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4666E   **TP program not available on** *server*, **APPC return code** *primary RC*, *secondary RC*, **no retry**

Explanation: APPC could not start a remote TP program and intervention is required to correct the problem. The remote server is probably not available.

System action: The Client continues.

User response: Ensure the remote server is available. If the problem persists refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4667E   **SNA Server not configured for inbound requests, APPC return code** *primary RC*, *secondary RC*

Explanation: The APPC verb RECEIVE_ALLOCATE failed as SNA Server has not been correctly configured to receive inbound ATI requests.

System action: The Client continues.

User response: If inbound ATI request processing is required, refer to the CICS Transaction Gateway Information Center on how to configure SNA Server.

CCL4668E   **SNA node not started, APPC return code** *primary RC*

Explanation: The SNA node has not been started.

System action: The Client continues.

User response: Start the SNA node and retry the operation.

CCL4669E   **SNA local LU name must be specified as an alias name**

Explanation: Local LU names must be specified as alias names in the configuration file ctg.ini.

System action: The connection to the SNA server is not started.

User response: Specify the local LU name in the configuration file ctg.ini as an alias name, set the parameter 'LOCALLUALIAS' to 'Y' and retry.

CCL4670E **SNA communications subsystem abended, APPC return code** *primary RC*, *secondary RC*

Explanation: The SNA communications server software has failed with the specified APPC return code.

System action: The connection to the server is not started.

User response: Check the SNA error log for the cause of the abend. Refer to the CICS Transaction Gateway information center for the location of the SNA error log.

CCL4671E **LU alias** *LU alias name* **is not defined**

Explanation: The specified LU alias is not defined in the APPC provider.

System action: The connection to the server is not started.

User response: If using alias LU names, define the LU alias and retry. If not using alias LU names, set the 'LOCALLUALIAS' parameter to 'N' in the configuration file and retry.

CCL4672E **Partner LU alias** *LU alias name* **or mode** *mode name* **is unknown, APPC return code** *primary RC*, *secondary RC*

Explanation: If using alias LU names, either the partner LU alias supplied in the 'Netname' parameter in the configuration file ctg.ini is not defined, or the mode is not defined in the APPC provider. If not using alias LU names, the specified mode is not defined.

System action: The connection to the server is not started.

User response: Check that the parameters in the configuration file ctg.ini match the definitions in the APPC provider.

CCL4673E **Conversation with** *server* **failed, APPC return code** *primary RC*, *secondary RC*

Explanation: There has been a failure to allocate a conversation or to receive data from the specified server. The link to the server has probably failed.

System action: The Client continues.

User response: Refer to your APPC Programming Reference for further information or contact your system administrator.

CCL4674E **TP program** *TP name* **abended on server** *server*, **APPC return code** *primary RC*

Explanation: The specified TP program abended on the given server. If the TP program is CTIN, then this may be because the server has been recycled since running CCIN.

System action: The Client continues. If the TP program is CTIN, the Client will attempt to reconnect to the server and retry the request.

User response: Contact your system administrator.

CCL4675E **Wait on semaphore for ReceiveAndPost failed, return code** *operating system return code*

Explanation: An attempt to wait on a semaphore for conversation data, after successful completion of the receive verb, failed.

System action: The Client sends a deallocate abend to the server to terminate the conversation.

User response: Contact your system administrator.

CCL4676E **Protocol driver failed to notify Client daemon of a data event, return code** *internal return code*

Explanation: The protocol driver's attempt to notify the Client of a data event failed.

System action: The protocol driver sends a deallocate abend to the server to terminate the conversation.

User response: Contact your system administrator.

CCL4677E **Callback for RECEIVE_AND_POST for unknown convid** *APPC conv_id* **received**

Explanation: The protocol driver's callback function was called for the specified conversation, but it was not in the list of conversations for which a RECEIVE_AND_POST call had been made.

System action: The event is ignored.

User response: Contact your system administrator.

CCL4678W **The environment variable LD_PRELOAD is not set**

Explanation: When IBM Communications Server is installed and the SNA protocol is being used to connect to CICS you are required to set LD_PRELOAD. When the Remote API Client is installed LD_PRELOAD is not required. For security reasons LD_ variables are not inherited by the root user.

System action: This warning message is written to the Client daemon error log.

User response: If using the Remote API Client no

action is necessary. If using IBM Communications Server, refer to the SNA configuration documentation for the SNA transport product and the IBM Communications Server for Linux configuring section in the CICS Transaction Gateway Information Center. A number of environment variables must be correctly defined for the correct operation of SNA protocol driver. Stop the Client daemon, make sure the named variable is correctly defined in the environment where the Client daemon will run, and then retry.

CCL4679E   Environment variable *name* **=** *value* **caused a program error**

Explanation: Environment variable *name* caused an error in the Client daemon.

System action: The Client daemon continues, but the SNA protocol is unavailable.

User response: Check that the value of the *name* environment variable is correct. Refer to the IBM Communications Server for Linux configuration section in the CICS Transaction Gateway Information Center for further information.

CCL4680E   Server *name* **has inconsistent values for parameters** *parameter1* **and** *parameter2*

Explanation: In the configuration file in the SERVER SECTION for server *name*, the combination of values for the specified parameters is not supported by the SNA protocol driver.

System action: The server *name* fails to start.

User response: Correct the errors by running the configuration tool.

CCL4687E   Partner LU alias *Partner LU alias name* **is not defined**

Explanation: The partner LU alias specified in the Netname parameter in the configuration file is not defined in the SNA communications product. Note that the partner LU alias parameter is case sensitive.

System action: The connection to the server is not started.

User response: If using alias LU names, define the partner LU alias in your SNA communications product to match that defined in the configuration file and retry. If not using alias LU names, set the 'PARTNERLUALIAS' parameter to 'N' in the configuration file and retry.

CTG6103E   The Java launcher program cannot be found in your PATH

Explanation: The Java launcher program is required to run the command but is not in the current PATH.

System action: The command terminates with return code 4.

User response: Identify where the supported level of Java is on your system. Add its location to your PATH or for UNIX and Linux systems use CTG_JAVA to define where Java is located. Retry the command. Refer to the CICS Transaction Gateway Information Center for further details.

CTG6106E   Use command 'ctgmsgs' to list the recognized languages as the language *language code* **is not recognized**

Explanation: CICS Transaction Gateway supports a number of language and code set combinations, but the specified language code is not supported on this platform.

System action: The message language will not be changed.

User response: Run the 'ctgmsgs' command with the '-?' parameter to get a list of supported language and code set combinations. Choose the combination that best meets your requirements and retry with that combination.

CTG6107E   Use command 'ctgmsgs' to list the recognized code sets as the code set *code set* **is not recognized**

Explanation: CICS Transaction Gateway supports a number of language and code set combinations, but the specified code set is not supported on this platform.

System action: The message language will not be changed.

User response: Run the 'ctgmsgs' command with the '-?' parameter to get a list of supported language and code set combinations. Choose the combination that best meets your requirements and retry with that combination.

CTG6109E   The JVM is not at the required level to run this application

Explanation: The Java applications supplied with CICS Transaction Gateway require a minimum level of JVM.

System action: The Java application will not start.

User response: Refer to the CICS Transaction Gateway Information Center for details of the versions of Java supported. Ensure that the correct level of Java is available on your system and add access to it from the PATH or for UNIX and Linux systems use CTG_JAVA to define where the Java launcher program is located.

CTG6110E   **Check the value of environment variable 'CTGENVVAR' as the CTGENVVAR file** *HFS path* **not found**

Explanation: CICS Transaction Gateway on z/OS uses the 'ctgenvvar' script to initialize environment variables before executing its Java component. If the CTGENVVAR environment variable is set, then the ctgstart script will attempt to run that script. Note that the CTGENVVAR variable is intended for use only when the Gateway daemon is started under a UNIX System Service shell (as opposed to batch).

System action: The CICS Transaction Gateway will not start.

User response: Verify that the file *HFS path* is correct. If this value is as expected, then verify that the file is in place. Note that the value of CTGENVVAR is a HFS path, and therefore case-sensitive.

CTG6111I   **Using the default configuration script in file** *HFS path* **to start up the application**

Explanation: Information Message

CTG6114W   **CICS Transaction Gateway is already installed in the local code page**

Explanation: ctgmsgs4local was called to convert the CICS Transaction Gateway to the local code page, but it is already installed for that code page.

System action: The script terminates.

User response: No further action as CICS Transaction Gateway is in the local code page as requested.

CTG6116E   **This product has not been properly packaged**

Explanation: The script that is running is incomplete. This indicates that there was an error during packaging.

System action: The script terminates.

User response: Contact your service organization.

CTG6117E   **Unable to recognize the platform from the 'uname' string** *text*

Explanation: The script that is running is unable to identify a supported operating system using the *text* output from the 'uname' command. Either the product is being run on an unsupported platform, or an update to the operating system version has changed this text in an unexpected way.

System action: The script terminates.

User response: Contact your service organization.

CTG6118E   **This product is packaged for the** *target* **operating system, but has identified this as the** *actual* **operating system**

Explanation: CICS Transaction Gateway is packaged for a number of different operating systems. This package is for the operating system identified by the string *target* . An operating system version check (uname) shows the operating system you are running to be *actual* and so the installation cannot continue.

System action: The script terminates.

User response: Remove the current installation and install the correct package for your operating system. If you believe that you have installed the correct package, contact your service organization.

CTG6119E   **This product will not execute on z/OS.e**

Explanation: CICS Transaction Gateway is not supported on the z/OS.e operating system.

System action: The script terminates.

User response: Remove the current installation and install it on a system running a full version of z/OS.

CTG6120E   **Unable to recognize the platform from the 'uname' string** *text***, because TMPDIR** *path* **maybe be full or unavailable for write access**

Explanation: The script is unable to identify the runtime operating system as a command substitution using 'uname' has returned an empty string. This can be due to the temporary file system being inaccessible for write by the executing userid, or simply being full. The temporary file system is located at /tmp by default, but can be overridden by the TMPDIR environment variable.

System action: The script terminates.

User response: Ensure that the userid executing the script has write access to the tmp filesystem, and that the tmp filesystem is not full. If both of these requirements are satisfied and the problem persists, then contact your service organization.

CTG6121E   **Unable to find Java runtime classes**

Explanation: When trying to run a Java application, the Java runtime classes could not be found.

System action: The command line application terminates.

User response: Install the Java Virtual Machine (JVM) correctly.

CTG6122E   The CICS Transaction Gateway could not execute the command

Explanation: The CICS Transaction Gateway could not execute the command. Either the CICS TG is not correctly installed, or the environment is not setup correctly.

System action: The application terminates.

User response: Check for exceptions that indicate a problem with the environment. If there are no obvious problems, reinstall the CICS TG.

CTG6123E   Your JVM or operating system is not supported for this application

Explanation: The Java Virtual Machine (JVM) or the operating system you are running, that has been detected by the JVM, is unsupported.

System action: The application has terminated.

User response: Ensure that you are running a supported JVM and operating system. Refer to the IBM CICS Transaction Gateway Supported Software webpage for information about supported platforms.

CTG6124W   Source file *filename* **not found or not executable**

Explanation: The migration tool ctgconvenv cannot find the specified file, or the file does not have execute permission for this user. The syntax of the command is: ctgconvenv ['wrap width'] ['source file name'] where: ['wrap width'] is the width of the generated output and is a value in the range 40 to 120. The default is the terminal screen width. ['source file name'] is the ctgenvvar script to be converted. If the source file name is not fully qualified, the default directory is the <install_path>/bin directory. If the source file name is not specified, a filename of ctgenvvar is assumed. Output is written to stdout. This can be redirected to a file by standard operating system facilities.

System action: The ctgconvenv application terminates.

User response: If the specified file exists but is not executable, correct the file permissions and retry. If the displayed file name is not correct, retry the command using the full HFS file name.

CTG6125I   Usage - ctgd {start|stop}

Explanation: Information Message

CTG6126E   Cannot find ctgd.conf at *location*

Explanation: An attempt was made to start the Gateway daemon in the background, but a valid configuration file could not be found at the specified location.

System action: The Gateway daemon does not start.

User response: Check that a valid file exists. Refer to the CICS Transaction Gateway Information Center for details on the format and location of ctgd.conf.

CTG6127E   Unable to start the Gateway daemon because the group to which *userid* **belongs cannot be resolved**

Explanation: An attempt was made to start the Gateway daemon in the background, but it was not possible to resolve the group to which the running user belongs.

System action: The Gateway daemon does not start.

User response: Check that the /etc/group file exists and that the file has read permissions for the user running ctgd. To verify whether the group can be resolved, run the UNIX 'id' command as the user.

CTG6129E   ctgd was unable to stop the Gateway daemon on port *port*

Explanation: An attempt to stop the Gateway daemon using the ctgd stop command failed. This might be because the Gateway daemon is not currently running. A detailed error message is written to the console.

System action: The Gateway daemon, if running, might not stop.

User response: Investigate why ctgd was unable to stop the Gateway daemon and ensure that the administration port specified in ctgd.conf matches that of the running Gateway daemon. If the problem persists, manually kill the Gateway daemon processes if it is still running.

CTG6130I   Using the configuration script in the CTGENVVAR file *HFS path* **to start up the application**

Explanation: Information Message

CTG6131W   Assuming the default location for CTG.INI as the environment variable 'CICSCLI' is not set

Explanation: The Gateway daemon will attempt to use the default configuration file 'ctg.ini' or 'CTG.INI' in the product bin directory. This is a compatibility feature and not the recommended configuration style.

System action: The ctgstart script continues. If a Gateway daemon configuration file does not exist in the product bin directory, then the initialization will fail.

User response: Verify the intended location of the Gateway daemon configuration file and set the CICSCLI environment variable if required.

CTG6132W   **Address space sharing will depend upon system defaults as the environment variable '_BPX_SHAREAS' is not set**

Explanation: The ctgstart script has determined that the environment variable '_BPX_SHAREAS' has not been defined.

System action: The ctgstart script continues.

User response: If the environment variable _BPX_SHAREAS is not set, then whether or not the Gateway daemon runs in a single address space will be subject to the system default. Verify your preferred setting for _BPX_SHAREAS and add the appropriate definition to the environment variable configuration. The recommended setting is _BPX_SHAREAS=YES.

CTG6133W   **Environment variable 'CTG_SWAPPABLE' is set to 'YES', but this is not a recommended configuration**

Explanation: The ctgstart script has determined that the environment variable 'CTG_SWAPPABLE' has been defined as 'YES'.

System action: The ctgstart script continues.

User response: Setting CTG_SWAPPABLE to 'YES' allows the Gateway daemon address space to be swapped out by z/OS. This is not a recommended configuration for the Gateway daemon. Consider either removing CTG_SWAPPABLE from the environment variable configuration (allowing it to default to NO), or explicitly define it with the value 'NO'.

CTG6134I   **The Gateway daemon JVM will use the class cache options** *Class cache options*

Explanation: Information Message

CTG6140E   **Environment variable CTG_JAVA does not specify a supported Java launcher program, CTG_JAVA =** *program*

Explanation: The *program* specified by environment variable CTG_JAVA is not a supported Java launcher program.

System action: The command terminates with return code 4.

User response: Set CTG_JAVA to a supported Java launcher program. Refer to the CICS Transaction Gateway Information Center for further details on CTG_JAVA.

CTG6141E   **The Java launcher program specified by environment variable CTG_JAVA does not exist, CTG_JAVA =** *program*

Explanation: The Java launcher program specified by

the environment variable CTG_JAVA has not been found.

System action: The command terminates with return code 4.

User response: Set CTG_JAVA to a supported Java launcher program and ensure that the directory permissions allow the user to access it. Refer to the CICS Transaction Gateway Information Center for further details on CTG_JAVA.

CTG6142E   **The Java launcher program specified by environment variable CTG_JAVA can not be run, CTG_JAVA =** *program*

Explanation: The Java launcher program specified by the environment variable CTG_JAVA could not be run.

System action: The command terminates with return code 4.

User response: Ensure that the Java launcher program has the necessary file permissions.

CTG6400I   **CICS Transaction Gateway is starting**

Explanation: Information Message

CTG6401E   **Provider** *provider* **failed to register statistic** *statistic* **due to** *reason*

Explanation: An internal error prevented statistic *statistic* from being registered with the CICS TG.

System action: The statistic is not available through ctgadmin, SDSF or the statistics API.

User response: Contact your service organization.

CTG6402E   **Provider** *provider* **failed to update statistic** *statistic* **due to** *reason*

Explanation: An internal error prevented statistic *statistic* from being updated.

System action: The statistic is not available through ctgadmin, SDSF or the statistics API.

User response: Contact your service organization.

CTG6403E   **The statistic group** *statistic group* **could not be created because proxy class** *proxy class* **could not be found**

Explanation: An internal error prevented statistic group *statistic group* from being created.

System action: No statistics for the statistic group will be available through ctgadmin, SDSF or the statistics API.

User response: Contact your service organization.

CTG6404W   **Ignoring sotimeout setting in the configuration file**

Explanation: The configuration file contains an entry sotimeout. This setting (Handler wakeup timeout field in the Configuration Tool) used to define the time that might have to elapse before the Gateway daemon could shut down. It became redundant when Version 6 of the CICS TG introduced shutdown commands, and from Version 7 is no longer supported.

System action: The Gateway daemon continues its initialization process.

User response: To suppress this message in future, remove any reference to sotimeout from the configuration file. Open the configuration file in the Configuration Tool and then save it.

CTG6405E   **The Gateway daemon has terminated abnormally**

Explanation: The Gateway daemon terminated abnormally.

System action: This message is ouptut and the Gateway daemon ends.

User response: Refer to the log for the causes of this problem, correct the problem, and restart the Gateway daemon.

CTG6406W   **The maximum worker threads has been reduced to the EXCI logon limit** *logonlim*

Explanation: The maximum number of worker threads was previously configured as unlimited, or to a value which exceeded the number of EXCI pipes available to the CICS TG. Requests fail if the number of worker threads exceeds the EXCI pipe limit. The maximum number of worker threads has been reduced.

System action: The maximum number of worker threads has been set to equal the maximum number of EXCI pipes available.

User response: To prevent a warning message for this error choose either to configure the maximum worker threads to less than or equal to the EXCI pipes logon limit, or increase the EXCI logon limit to be greater than or equal to the number of worker threads.

CTG6407E   **Statistics interval length is set to the default as unable to parse 'statint' value** *statint value*

Explanation: The statistics interval length (statint) value could not be parsed

System action: The statistics interval length value is set to the default

User response: The statistics interval length (statint) value should be in the format HHMMSS, where HH is

the number of hours in the range 00-24, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59

CTG6408E   **The value** *statint value* **(HHMMSS) specified for the statistics interval length (statint) is not valid**

Explanation: The statistics interval length (statint) value, specified in the configuration file, is not valid. The interval length must be between 1 minute (000100) and 24 hours (240000).

System action: The statistics interval length value is set to the default.

User response: The statistics interval length (statint) value should be in the format HHMMSS, where HH is the number of hours in the range 00-24, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59.

CTG6409E   **Statistics end of day is set to the default as unable to parse 'stateod' value** *stateod value*

Explanation: The statistics end of day (stateod) value could not be parsed

System action: The statistics end of day value is set to the default

User response: The statistics end of day (stateod) value should be in the format HHMMSS, where HH is the number of hours in the range 00-23, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59

CTG6410E   **The value** *stateod value* **(HHMMSS) specified for the statistics end of day (stateod) is not valid**

Explanation: The statistics end of day (stateod) value, specified in the configuration file, is not valid. The end of day value must be between midnight (000000) and one second before midnight (235959)

System action: The statistics end of day value is set to the default

User response: The statistics end of day (stateod) value should be in the format HHMMSS, where HH is the number of hours in the range 00-23, MM is the number of minutes in the range 00-59 and SS is the number of seconds in the range 00-59

CTG6411I   **Interval statistics are active with the statistics interval length set to** *hours* **hours,** *minutes* **minutes and** *seconds* **seconds**

Explanation: Information Message

CTG6412W The time calculated for the next statistics interval reset is in the past

Explanation: The time calculated for the next statistics interval reset is in the past. This could be due to resetting the system clock.

System action: The time for the next statistics interval will be recalculated based on the end of day time.

User response: Check if the system clock has been moved forwards in time. If not contact your service organization.

CTG6413W The time calculated for the next interval is greater than the statistics interval length setting

Explanation: The time to allow for the next statistics interval is greater than the statistics interval length setting. This could be due to resetting the system clock.

System action: The time for the next statistics interval will be recalculated based on the end of day time.

User response: Check if the system clock has been moved backwards in time. If not contact your service organization.

CTG6414E The resource group *statistic group* **could not be added to the current interval statistics because the corresponding proxy class could not be found**

Explanation: An internal error prevented statistic group *statistic group* from being added to the current interval statistics.

System action: The statistic group will be not be included in the interval statistics.

User response: Contact your service organization.

CTG6415I The statistics end of day time is set to *hours* **:** *minutes* **:** *seconds locale*

Explanation: Information Message

CTG6416I The next statistics interval reset will occur at *reset time*

Explanation: Information Message

CTG6481I -keyringpw=<keyring_pw> - keyring password for use with the ssl protocol

Explanation: Information Message

CTG6482I -keyring=<keyring> - keyring for use with the ssl protocol

Explanation: Information Message

CTG6483I -sslport=<port_number> - SSL port for ssl protocol

Explanation: Information Message

CTG6484W 'keyringpw' parameter ignored as supplied without keyring parameter

Explanation: The keyringpw parameter has been supplied without a keyring parameter also being specified.

System action: CICS Transaction Gateway ignores the keyringpw parameter and continues the startup process.

User response: In order to use SSL both the keyring and keyringpw parameters must be specified.

CTG6485I Successfully started handler for the *protocol* **: protocol on port** *port* **, bound to address** *address*

Explanation: Information Message

CTG6486W Console input has been disabled

Explanation: The Gateway daemon was unable to read from the console so console input has been disabled. The Gateway daemon cannot be shut down from the console.

System action: The Gateway daemon continues with console input disabled.

User response: To shut down the Gateway daemon on z/OS, enter an MVS MODIFY command specifying the SHUT action. To quiesce the Gateway daemon on Multiplatforms, use the ctgadmin command specifying the shut action.

CTG6488E Gateway daemon is shutting down, so rejecting the request

Explanation: A request has been flowed to the CICS Transaction Gateway. This is not allowed while the Gateway daemon is shutting down.

System action: The Gateway daemon continues processing outstanding work during the shutdown process.

User response: Check with your System Administrator as to when the CICS Transaction Gateway will be available again.

CTG6489W   128bitonly cannot be used in conjunction with other cipher suites

Explanation: The configuration file contains the deprecated parameter 128bitonly as well as explicitly listed cipher suites. When selecting cipher suites for the SSL protocol handler to use, you must explicitly list each cipher suite in the configuration file.

System action: The handler continues to start using the cipher suites that are explicitly listed. The cipher suites referenced by the 128bitonly parameter are not enabled unless they are explicitly listed in the configuration file.

User response: Remove the 128bitonly parameter from the configuration file and restart the Gateway daemon to remove this warning message.

CTG6490I   Normal shutdown of Gateway daemon started by *user or systems management program*

Explanation: Information Message

CTG6491I   Number of active clients is *INSERT-0*

Explanation: Information Message

CTG6492I   Number of active connections at immediate shutdown request was *INSERT-0*

Explanation: Information Message

CTG6493I   Q or - for normal shutdown

Explanation: Information Message

CTG6494I   I for immediate shutdown

Explanation: Information Message

CTG6495E   No cipher suites available for use by SSL connection

Explanation: None of the cipher suites specified in the configuration file are available for use by the CICS Transaction Gateway.

System action: The SSL protocol handler fails to start.

User response: Ensure that the configuration file specifies only cipher suites that are available to the level of Java used by the CICS Transaction Gateway.

CTG6496W   The use of 128bitonly has been deprecated

Explanation: Requesting that only 128 bit cipher suites are used through the use of 'ciphersuites=128bitonly'

has been deprecated and might be removed at a later date.

System action: The SSL protocol handler is started and configured to only use the 128bit cipher suites that are documented in the CICS Transaction Gateway Information Center.

User response: Use the Configuration Tool to explicitly list the cipher suites you want the SSL protocol handler to use.

CTG6497W   Cipher suite *cipher* **is not available for SSL connections**

Explanation: The specified cipher suite *cipher* cannot be used by the CICS Transaction Gateway for SSL connections.

System action: The handler continues to start using the cipher suites that are supported.

User response: Correct the cipher suites in the configuration file and restart the Gateway daemon to remove this warning message.

CTG6498W   Provided password was not used to access ESM key ring

Explanation: A password has been specified using the keyringpw parameter in the configuration file ctg.ini, at the same time as the esmkeyring parameter.

System action: The protocol handler is started but the password provided is not used to try and read the key ring from the ESM provider.

User response: Remove the keyringpw parameter if the key ring is stored in an ESM implementation, or the esmkeyring parameter if the key ring file is stored in the HFS.

CTG6499E   The CICS Transaction Gateway does not support the use of SystemSSL

Explanation: A protocol string for either SystemSSL or SystemHTTPS is in the configuration file ctg.ini.

System action: The Gateway daemon continues but does not start the specified protocol handler.

User response: Migrate to JSSE-based SSL and HTTPS handlers and then remove the protocol strings from the configuration file, either manually or by loading the file into the Configuration Tool and saving it.

CTG6502I   Initial Connection managers = *n1*, **Maximum Connection managers =** *n2*

Explanation: Information Message

CTG6505I **Successfully created the initial connection manager and Worker threads**

Explanation: Information Message

CTG6506I **Client connected:** [*connection manager*] - *protocol*

Explanation: Information Message

CTG6507I **Client disconnected:** [*connection manager*] - *protocol*, **reason =** *reason*

Explanation: Information Message

CTG6508I **To shut down the Gateway daemon type**

Explanation: Information Message

CTG6509I **Immediate shutdown of Gateway daemon started by** *user or systems management program*

Explanation: Information Message

CTG6510I **TCP/IP host names will not be shown**

Explanation: Information Message

CTG6511I **Gateway daemon has shut down**

Explanation: Information Message

CTG6512I **CICS Transaction Gateway initialization complete**

Explanation: Information Message

CTG6513E **CICS Transaction Gateway failed to initialize**

Explanation: The CICS Transaction Gateway could not start.

System action: The Gateway daemon process ends with a non-zero return code.

User response: Check the logs for error messages and correct any reported problems.

CTG6516W **Outstanding work in progress:** [*connection manager*] [*count*]

Explanation: A client has disconnected from connection manager *connection manager*, but *count* work requests are still in progress.

System action: A connection manager will not become available to handle another connection until the work has been finished.

User response: Wait for requests to finish.

CTG6518W **Cleanups for previous requests are outstanding:** [*name*] [*count*]

Explanation: A client has disconnected from connection manager *name*, but *count* requests which require completion are still outstanding.

System action: The connection manager will attempt to clean up the allocated resources.

User response: For information only.

CTG6524I **Successfully started handler for the** *protocol* **: protocol on port** *port*

Explanation: Information Message

CTG6525E **Unable to start handler for the** *protocol* **: protocol, port:** *port*, **because:** [*RC*]

Explanation: Where *protocol* specifies the protocol type, *port* specifies the port and *RC* specifies the cause of the error. The most likely cause is that the protocol handler is attempting to listen on a TCP/IP port that is already in use.

System action: The Gateway daemon is forced to stop because of *protocol* protocol handler error.

User response: Check the configuration settings of the protocol handler.

CTG6526I **Initial workers =** *count*, **Maximum workers =** *maximum*

Explanation: Information Message

CTG6528W **Outstanding work still in progress:** [*name*] [*count*]

Explanation: A client has disconnected from connection manager *name*, with work requests in progress. *count* requests have failed to finish within a reasonable time.

System action: The connection manager marks itself as available again.

User response: For information only.

CTG6529W **Unable to send reply to Java client:** [*name*]

Explanation: The Gateway worker thread *name* was unable to send the reply to the client. This could be because the client was disconnected.

System action: System action is not required.

User response: Check if client is still running.

CTG6531W   Unable to disconnect idle Java client - work still in progress: [*name*] - *client*

Explanation: The client at *client* has been idle for too long, but there are still work requests in progress on its behalf.

System action: Connection manager did not disconnect the client.

User response: For information only.

CTG6533E   Unable to read the configuration file: [*reason*]

Explanation: Where *reason* specifies the reason for the failure.

System action: The Gateway stops; it will not run without a configuration file.

User response: Check that ctg.ini exists in the bin directory, or that the configuration file specified through the CICSCLI environment variable exists. Run the configuration tool if necessary to create a configuration file.

CTG6536I   Generic ECI reply calls will not be allowed

Explanation: Information Message

CTG6537I   Security classes will be required for all connections on all protocols

Explanation: Information Message

CTG6542E   The CICS Transaction Gateway does not support TCPAdmin for remote administration

Explanation: Configuration file ctg.ini contains entries for the TCPAdmin protocol, which is no longer supported.

System action: The Gateway daemon continues its initialization process.

User response: To prevent this message occurring in future, use the Configuration tool to open and then save your configuration file. This removes the invalid entries.

CTG6543E   The value specified for the *parameter* parameter is invalid

Explanation: The specified command line parameter has an invalid value.

System action: The CICS Transaction Gateway fails to start.

User response: Ensure that the value is valid for the given parameter. Refer to the CICS Transaction

Gateway Information Center for details.

CTG6546W   Gateway daemon startup parameter *parameter* will be ignored

Explanation: The specified parameter was found during Gateway daemon startup. The parameter has no effect.

System action: The parameter is ignored. The Gateway daemon continues.

User response: Stop using the parameter override or remove the parameter from the configuration file.

CTG6547W   Gateway daemon will display symbolic TCP/IP host names in messages

Explanation: The display of symbolic host names might affect system performance.

System action: The Gateway daemon continues processing.

User response: Deselect the option to display TCP/IP host names using the configuration tool, or edit the configuration file and set DNSNAMES=OFF, to avoid this. Refer to the CICS Transaction Gateway Information Center for further details.

CTG6548I   This command starts the CICS Transaction Gateway

Explanation: Information Message

CTG6549I   The following command line options can be specified

Explanation: Information Message

CTG6550E   Unable to listen on requested port

Explanation: Gateway is unable to recognize port number.

System action: System action is not required.

User response: Check valid port number, protocol and server name.

CTG6551E   Unable to create requested connection manager and worker threads

Explanation: Usually this means that the system is running low on resources.

System action: System action is not required.

User response: Reduce the number of connection manager and worker threads initially created.

CTG6552E   **Connection closed because of error** [*error*] **whilst accepting a connection from** *server*

Explanation: A connection was accepted from *server*, but a problem of type *error* occurred.

System action: Unable to connect.

User response: Check error code.

CTG6553E   **Error reading request:** [*connection manager*]

Explanation: Where *connection manager* specifies the connection manager thread.

System action: Unable to execute request.

User response: Check if connection is still available.

CTG6554E   **Error in native method:** [*worker thread*]

Explanation: Where *worker thread* specifies the worker thread.

System action: System action is not required.

User response: For information only.

CTG6555E   **Error writing reply:** [*worker thread*]

Explanation: Where *worker thread* specifies the worker thread.

System action: Unable to write reply.

User response: Check if connection is still available.

CTG6556E   **Error copying request on local Gateway:** [*error*]

Explanation: A problem has occurred in the CICS Transaction Gateway local mode support.

System action: The CICS Transaction Gateway is unable to process the request.

User response: Check the Gateway protocol settings.

CTG6557E   **Error whilst executing request:** [*name*]

Explanation: An error occurred while processing request with name [*name*]

System action: System action is not required.

User response: Check that request is valid.

CTG6558E   **No TCP or SSL protocol handlers defined**

Explanation: No TCP or SSL protocol handlers are defined in the Gateway daemon configuration file.

System action: The Gateway fails to start.

User response: Ensure that there is at least one TCP or SSL protocol handler definition in the Gateway SECTION of the configuration file.

CTG6559E   **Unexpected exception occurred:** [*type*]

Explanation: An exception of type [*type*] occurred.

System action: System action is not required.

User response: For information only.

CTG6560E   **Unable to accept request of type** *type* : [*name*]

Explanation: Connection manager *name* has received a request *type* but failed to load the required class file to execute the request.

System action: Gateway exits and displays error message.

User response: Make sure that the *type* class is in the CLASSPATH of the Gateway process.

CTG6561E   **Unable to use** *class* **class to provide security to** *name*

Explanation: The *class* class could not be successfully loaded to provide security to the connection from *name* .

System action: The connection will be closed.

User response: Make sure that the *class* class is in the CLASSPATH of the Gateway process.

CTG6562E   **Connection to** *name* **rejected due to insufficient Connection managers**

Explanation: A connection was accepted from *name*, but a connection manager did not become available in time.

System action: The connection was rejected.

User response: Increase the maximum number of Connection managers.

CTG6563E   *name* **protocol handler exited unexpectedly:** [*description*]

Explanation: The *name* protocol handler exited due to problem *description* .

System action: Gateway exits and displays error message.

User response: Check error code.

CTG6564W　**Restart will be attempted as the** *protocol* **protocol handler has been stopped because of persistent errors**

Explanation:　The *protocol* protocol handler has been stopped because of errors on 50 consecutive socket accept calls. This can happen if the TCP/IP stack is stopped while the Gateway daemon is running. Exceptions from the failed accept attempts have been logged; the exception messages give additional information on the nature of the error.

System action:　The Gateway daemon continues without this protocol handler. An attempt to restart the protocol handler will be made within 30 seconds. If this fails further restarts will be attempted every 30 seconds.

User response:　Check the logged exceptions and correct the cause of the socket errors.

CTG6565I　**-classpath=<class path> - additional entries to append to JVM class path**

Explanation:　Information Message

CTG6566W　**Remote client** *name* **timed out during SSL handshake, connecttimeout is set to** *unsigned* **ms**

Explanation:　The attempted connection from the remote client timed out during the SSL handshake

System action:　The connection is terminated

User response:　Either check why the client was slow to complete the SSL handshake, or increase the SSL protocol handler connecttimeout value

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CTG6567I　**-requestExits=<exits> - list of classes to be used for request exit monitoring**

Explanation:　Information Message

CTG6568I　**-statsport=<port_number> - TCP/IP port for statistics API requests**

Explanation:　Information Message

CTG6569E　**Unable to open file** *filename*

Explanation:　File with name *filename* could not be opened.

System action:　System action is not required.

User response:　Check that file is not in use or read-only.

CTG6570I　**Processing file** *INSERT-0*

Explanation:　Information Message

CTG6571I　**Creating file** *INSERT-0*

Explanation:　Information Message

CTG6572I　**Renaming file** *INSERT-0* **to** *INSERT-1*

Explanation:　Information Message

CTG6573I　**Processing is complete**

Explanation:　Information Message

CTG6574I　**Connection logging has been disabled**

Explanation:　Information Message

CTG6575I　**-port=<port_number> - TCP/IP port for tcp protocol**

Explanation:　Information Message

CTG6576I　**-truncationsize=<number> - Maximum size of trace data blocks in bytes**

Explanation:　Information Message

CTG6577I　**Java details: Version=***INSERT-0***, Path=***INSERT-1*

Explanation:　Information Message

CTG6578I　**-dumpoffset=<number> - Byte offset in data to start trace output**

Explanation:　Information Message

CTG6579I　**-stack - Switch on exception stack trace**

Explanation:　Information Message

CTG6580E　**The parameter** *parameter* **in the configuration file is unrecognized or invalid**

Explanation:　An unknown parameter starting with the specified text was encountered in the configuration file ctg.ini.

System action:　The Gateway daemon terminates.

User response:　Correct the configuration file error and restart the Gateway daemon. The configuration tool can be used to correct a badly-formed configuration file.

CTG6581E   The Gateway daemon cannot continue

Explanation: An error was detected.

System action: The Gateway daemon terminates.

User response: Examine any other messages and the Gateway error log to determine the cause of the error.

CTG6582E   The command line option *option* **is unknown or requires a value**

Explanation: The command line option *option* has not been recognized or requires a value to be specified.

System action: The Gateway daemon terminates.

User response: Correct the command line option and restart CICS Transaction Gateway. To obtain a list of supported options use the '-?' command line option, or refer to the CICS Transaction Gateway Information Center.

CTG6583I   -initconnect=<number> - Initial number of connection manager threads

Explanation: Information Message

CTG6584I   -maxconnect=<number> - Maximum number of connection manager threads

Explanation: Information Message

CTG6585I   -initworker=<number> - Initial number of worker threads

Explanation: Information Message

CTG6586I   -maxworker=<number> - Maximum number of worker threads

Explanation: Information Message

CTG6587I   -trace - Enable standard trace

Explanation: Information Message

CTG6588I   -noinput - Disable reading of input from the console

Explanation: Information Message

CTG6589W   The adminport parameter has been ignored as the CICS Transaction Gateway for z/OS does not support it

Explanation: The configuration file ctg.ini contains the adminport parameter, or the Gateway daemon was started and the -adminport command line parameter was specified. The Gateway daemon on z/OS does not support this parameter, which was ignored.

System action: The Gateway daemon continues its initialization process.

User response: To prevent this message occurring in future, remove the adminport parameter from configuration file ctg.ini.

CTG6590I   -dnsnames - Use DNS to display symbolic TCP/IP host names

Explanation: Information Message

CTG6591I   Parameter overrides override those in the configuration file

Explanation: Information Message

CTG6592W   Both 'CTG.INI' and 'ctg.ini' configuration files exist, using default file 'ctg.ini'

Explanation: The default directory contains both uppercase and lowercase versions of the configuration file.

System action: The Gateway daemon will use the default file 'ctg.ini' as no configuration filename has been specified. The contents of file 'CTG.INI' will be ignored.

User response: To avoid this warning being issued, explicitly specify a configuration file or delete file 'CTG.INI' from the default directory. For details of how to specify a configuration file refer to the CICS Transaction Gateway Information Center.

CTG6593I   ctgstart <options> [<-j>JVMArg1 <-j>JVMArg2...] [<-c>CicscliArg1 <-c>CicscliArg2...]

Explanation: Information Message

CTG6594I   -adminport=<port_number> - TCP/IP port for local administration

Explanation: Information Message

CTG6595I   -tfile=<filename> - Trace file name

Explanation: Information Message

CTG6596I   -x - Enable full detailed trace

Explanation: Information Message

CTG6597I   The statistics API handler has not been started

Explanation: Information Message

CTG6598I	**-tfilesize=\<number> - Maximum trace file size in kilobytes**

Explanation: Information Message

CTG6599I	**-quiet - Disable reading/writing to/from console**

Explanation: Information Message

CTG6601I	**Request specific trace:** *value*

Explanation: Information Message

CTG6602I	**GatewayRequest type =** *request*, **flow version =** *version*, **flow type =** *type*, **Gateway return code =** *RC*, **length of data following the header =** *length*

Explanation: Information Message

CTG6603I	

Explanation: Information Message

CTG6630E	**Channel name must not be null**

Explanation: The channel name specified by the Java client application is null.

System action: The channel has not been created.

User response: Ensure that the channel name is not null.

CTG6631E	**Channel name is not between 1 and 16 characters in length**

Explanation: The length of the channel name specified by the Java client application is not valid.

System action: The channel has not been created.

User response: Ensure that the channel name is between 1 and 16 characters in length.

CTG6632E	**The channel name contains non-valid characters**

Explanation: The channel name specified by the Java client application contains characters that are not valid.

System action: The channel has not been created.

User response: Ensure that the channel name contains valid characters. Valid characters are uppercase characters (A-Z), lowercase characters (a-z), digits (0-9) and special characters < > $ @ # / % & ? ! : | \ ' = " ; . - and _.

CTG6633E	**Container** *name* **is read-only**

Explanation: The Java client application attempted to modify the contents of container *name* but the container has been marked as read-only by CICS.

System action: The contents and CCSid of the container have not been modified.

User response: Ensure that the Java client application does not attempt to modify the contents of read-only containers.

CTG6634E	**The type of container** *name* **is not supported**

Explanation: The specified container is of a type that is not supported by the IBM CICS Transaction Gateway Java API.

System action: The container has not been added to the channel.

User response: Ensure that the container is created using the Channel.createContainer method.

CTG6635E	**Container** *name* **uses unsupported CCSid (** *ccsid* **)**

Explanation: The specified container uses a CCSid that is not supported by the JVM.

System action: The contents of the container have not been modified.

User response: Ensure that the container uses a CCSid that is supported by the JVM.

CTG6636E	**Container** *name* **already exists in channel** *name*

Explanation: The Java client application attempted to add or move a container to channel *name* but a container with the same name already exists in the channel. Container names must be unique within their containing channel.

System action: The container has not been added to the channel.

User response: Ensure that the name of the container does not match the name of an existing container in the same channel.

CTG6637E	**Container** *name* **is not of data type BIT**

Explanation: The Java client application attempted to access or modify BIT data in the specified CHAR container.

System action: The contents of the container have not been modified.

User response: Ensure that the data type of the container matches the data type that the Java client

application is attempting to access or modify.

CTG6638E   **Container** *name* **is not of data type CHAR**

Explanation: The Java client application attempted to access or modify CHAR data in the specified BIT container.

System action: The contents of the container have not been modified.

User response: Ensure that the data type of the container matches the data type that the Java client application is attempting to access or modify.

CTG6639E   **Container name must not be null**

Explanation: The container name specified by the Java client application is null.

System action: The container has not been created.

User response: Ensure that the container name is not null.

CTG6640E   **Container name is not between 1 and 16 characters in length**

Explanation: The length of the container name specified by the Java client application is not valid.

System action: The container has not been created.

User response: Ensure that the container name is between 1 and 16 characters in length.

CTG6641E   **Container name contains non-valid characters**

Explanation: The container name specified by the Java Client application contains characters that are not valid.

System action: The container has not been created.

User response: Ensure that the container name contains valid characters. Valid characters are uppercase characters (A-Z), lowercase characters (a-z), digits (0-9) and special characters < > $ @ # / % & ? ! : | \ ' = " ; . - and _.

CTG6642E   **Container** *name* **not found in channel** *name*

Explanation: The channel does not contain a container with the specified name.

System action: No system action.

User response: Ensure that the container exists in the channel.

CTG6650E   **Unable to connect to the Gateway daemon**

Explanation: Java Client application unable to connect to Gateway daemon.

System action: Java Client application is not started.

User response: If running the Gateway daemon, check whether the Java Client application has specified the correct parameters to connect to the Gateway daemon.

CTG6651E   **Unable to connect to the Gateway daemon: [address =** *IP address***, port =** *port* **] [** *error* **]**

Explanation: Where *IP address* specifies the Gateway daemon TCP/IP address, *port* specifies the TCP/IP port and *error* specifies the cause of the error.

System action: Java Client application is not started.

User response: If you are running the Gateway daemon, check to ensure that the Java Client application specifies the correct parameters when connecting to the Gateway daemon. If using the ctgadmin utility, verify that the command connects to the Gateway daemon port identified by the adminport parameter.

CTG6652E   **Unable to start the Gateway daemon listener**

Explanation: Java Client application could not start the Gateway daemon listener.

System action: Java Client application is not started.

User response: Close this JavaGateway instance and check that Gateway daemon is correctly configured.

CTG6653E   **Unable to flow request to the Gateway daemon; this JavaGateway instance has been closed**

Explanation: The Gateway daemon is unreachable.

System action: Close this JavaGateway instance.

User response: Check if the connections to the Gateway daemon still exist.

CTG6654E   **An error occurred while the Gateway daemon was closing: [** *error* **]**

Explanation: Where *error* specifies the cause of the error.

System action: Close the Gateway daemon.

User response: Check error code.

CTG6655E **There was an error reading the reply: [*error*]**

Explanation: Where *error* specifies the cause of the error.

System action: Unable to read the reply.

User response: Check error code.

CTG6656E **Incorrect data *field* received on the network connection between the Gateway daemon and client application**

Explanation: A data flow between the Gateway and client application is corrupted. An internal field contains the wrong data.

System action: The connection is closed. The Gateway daemon continues to process requests on other network connections.

User response: Verify that only CICS TG applications connect to the Gateway daemon port. If the problem persists, contact your service organization.

CTG6657E **Invalid CICS Transaction Gateway address specified**

Explanation: The Gateway daemon URL was incorrectly specified.

System action: Unable to connect to Gateway daemon at this address.

User response: Check Gateway daemon is running and address is right.

CTG6658E **Local Gateway support has been terminated**

Explanation: Attempts have been made to use the local mode support after the LocalJavaGateway.terminate method has been called.

System action: Unable to make further local mode requests.

User response: For information only.

CTG6659E **In use Local Gateways currently exist**

Explanation: The LocalJavaGateway.terminate method has been called while local mode applications are still in use.

System action: Wait for requests to finish.

User response: For information only.

CTG6660E **Error copying reply: [*error*]**

Explanation: Where *error* specifies the cause of the error.

System action: Unable to copy reply.

User response: Check error code.

CTG6661E **Cannot change JavaGateway properties when the JavaGateway instance is open**

Explanation: A call to a JavaGateway.set method has been made, after the JavaGateway has been opened.

System action: System action is not required.

User response: Close JavaGateway instance.

CTG6662E **This JavaGateway instance is already open**

Explanation: This JavaGateway instance is already open in the Java Client application.

System action: System action is not required.

User response: Close this JavaGateway instance.

CTG6663E **Cannot open a JavaGateway instance when no protocol has been specified**

Explanation: No protocol classes have been requested by the Java Client application.

System action: Unable to make further requests to this instance.

User response: Check that the Java Client application specifies a valid protocol parameter.

CTG6664E **Protocol *protocol* not supported**

Explanation: The JavaGateway URL specified an unsupported protocol.

System action: The JavaGateway object is not initialized.

User response: Ensure the Gateway URL is of the form 'protocol://host', where *protocol* is a supported protocol name. Refer to the CICS Transaction Gateway Information Center for details of supported protocols.

CTG6665E **This JavaGateway instance has been closed**

Explanation: The JavaGateway instance was closed by the Java Client application.

System action: Unable to make a further request to this instance.

User response: Start new JavaGateway instance.

CTG6666E **Unable to flow request to the Gateway daemon: [*error*]**

Explanation: Where *error* specifies the cause of the error.

System action: Unable to make further requests to this instance.

User response: Check error code.

CTG6667E **Error writing request: [*error*]**

Explanation: Where *error* specifies the cause of the error.

System action: Unable to write further requests to this instance.

User response: Check error code.

CTG6668E **Initial handshake flow failed: [*error*]**

Explanation: Caused by *error*

System action: Unable to make initial handshake; hence unable to make requests.

User response: Check error code.

CTG6669E **JavaGateway cannot open as must specify both client-side and server-side security classes**

Explanation: Th server application needs security.

System action: Unable to make requests because of lack of security.

User response: Specify both client and server side security classes.

CTG6670E **Exception occurred in the Gateway daemon: [*error*]**

Explanation: Where *error* specifies the cause of the error.

System action: System action is not required.

User response: Check error code.

CTG6671E **This JavaGateway instance has yet to be opened**

Explanation: The Java Client application has not opened a new JavaGateway instance yet.

System action: System action is not required.

User response: Open JavaGateway instance before making requests.

CTG6672E **One or more of the SSL protocol properties have not been defined**

Explanation: The Java Client application must specify both the SSL_PROP_KEYRING_CLASS and SSL_PROP_KEYRING_PW properties when attempting to establish an SSL connection to the CICS Transaction Gateway. The connection is not created.

System action: System action is not required.

User response: Change the application to specify both required properties and then retry.

CTG6673E **SocketConnectTimeout cannot be less than 0**

Explanation: An attempt has been made to set socket connection timeout with a negative value. The existing value has not been updated.

System action: System action is not required.

User response: Ensure the socket connect timeout is only either a positive value or zero.

CTG6674E **Flow to the Gateway daemon was interrupted**

Explanation: The Java thread was interrupted while flowing a request to the Gateway daemon.

System action: System action is not required.

User response: Inspect the Java Client application to identify where Thread.interrupt() might be invoked. If the problem persists, contact your service organization with a Java Client application trace.

CTG6686E **Unable to initialize JNI library: [*error*]**

Explanation: The ctgjni library could not be initialized. The associated error gives more information about the cause.

System action: The CICS Transaction Gateway fails to start.

User response: If the associated error indicates a problem locating the JNI library, ensure that it is available on the path shown by the error. If the associated error indicates a security exception ensure that the library has the correct access privileges. If the associated error indicates that the EXCI is unavailable, check the JNI log for further details. After the error has been resolved start the CICS Transaction Gateway.

CTG6687E **Key ring was tampered with, or password was incorrect**

Explanation: Unable to import key ring.

System action: System action is not required.

User response: Ensure correct key ring and password has been provided.

CTG6699E   Failed to open statistics connection: [error**]**

Explanation: error specifies the cause of the failure.

System action: Unable to make statistics requests.

User response: Check error code.

CTG6703E   CICS Request: Load of native library DLL name **failed with** error

Explanation: Where error specifies the Java error.

System action: Unable to load native library.

User response: If running on z/OS.e, this message indicates that you have specified the local: protocol. Specify a remote protocol; the local: protocol is not supported on z/OS.e. On operating systems other than z/OS.e, check that the specified native library is available. Also check that the CICS TG application classes on the CLASSPATH are the same version as the native library specified.

CTG6704I   BMS Map Converter

Explanation: Information Message

CTG6705E key **is not a valid AID key**

Explanation: The exit key parameter indicated was not a valid AID value. Valid AID keys are enter, clear, PF1 - 24, and PA1 - 3.

System action: Unable to execute command.

User response: Check if AID key is valid.

CTG6706I   Classes will be created in package package

Explanation: Information Message

CTG6707I   ScreenHandler beans will be generated

Explanation: Information Message

CTG6708I   Use this command to generate Map classes from BMS Map files

Explanation: Information Message

CTG6709I   Arguments: <-p packagename > <-b> <-k exitAID> bmsfile1 bmsfile2 ...

Explanation: Information Message

CTG6710I   Processing file filename **...**

Explanation: Information Message

CTG6714W   CICS Request: Cics_Rc return code **not recognized**

Explanation: CICS Server return code return code is not valid.

System action: System action is not required.

User response: Check if Cics_Rc is valid.

CTG6717E   CICS Request: an attempt to convert from a C byte array to a Java String failed using the specified code page (code page **) for the conversion**

Explanation: The code page specified for the conversion was code page .

System action: A CICS Request attempted to convert between a C byte array and a Java String. The code page being used for the conversion was code page .

User response: Check user code page.

CTG6719E   CICS Request: Java default character encoding not obtained: [error **]**

Explanation: An attempt was made to obtain the Java default character encoding. error specifies the Java error.

System action: System action is not required.

User response: Check the return Java error.

CTG6731W   ECIRequest: This call type may return a reply intended for another Java client

Explanation: Either Call_Type ECI_GET_REPLY or Call_Type ECI_GET_REPLY_WAIT have been used. These types of call should be used with caution since they will return the next reply, which may be intended for another Java client.

System action: System action is not required.

User response: Use ECI_GET_REPLY and ECI_GET_REPLY_WAIT call types with caution.

CTG6733W   ECIRequest: The Commarea outbound length is greater than Commarea_Length

Explanation: The amount of data sent from the Java client to the CICS Transaction Gateway, is greater than the size of the Commarea given to CICS.

System action: System action is not required.

User response: Specify larger Commarea.

CTG6734W   ECIRequest: The Commarea inbound length is greater than Commarea_Length

Explanation: The amount of data sent to the Java client from the CICS Transaction Gateway, is greater than the size of the Commarea given to CICS.

System action: System action is not required.

User response: Specify larger Commarea.

CTG6736E   ECIRequest: Message Qualifier is invalid, outside of range -32767 to 32767

Explanation: An invalid message qualifier parameter has been provided.

System action: None.

User response: Correct the value passed for message qualifier in the method invocation.

CTG6737I   XA transaction support is enabled

Explanation: Information Message

CTG6738I   XA transaction support is not enabled

Explanation: Information Message

CTG6740E   ECIRequest: Commarea outbound length is larger than the maximum Commarea length

Explanation: Commarea outbound length can never be greater than 32768

System action: System action is not required.

User response: Check if Commarea outbound length is not greater than 32768

CTG6749E   ESIRequest: Userid, Password or Server Name too long

Explanation: Either the Userid, Password or Server Name entered is longer than required.

System action: System action is not required.

User response: Re-enter the correct Userid, Password or Server name.

CTG6755E   EPIRequest: size field limited to data.length

Explanation: The size field may not exceed the length of the data array.

System action: System action is not required.

User response: Specify larger data array.

CTG6762W   termIndex: 0xFFFF is invalid for calls that are not to a local Gateway

Explanation: Unless using a local Gateway, it is invalid to attempt to get an event without specifying a termIndex, since you may obtain events intended for other terminal resources.

System action: System action is not required.

User response: Specify a termIndex.

CTG6764E   The Gateway daemon does not support running in 64-bit mode

Explanation: The Gateway daemon was invoked under a 64-bit JVM.

System action: This message is logged and the Gateway daemon fails to start.

User response: Configure the Gateway daemon to use a non-64-bit JVM and restart the Gateway daemon. The JVM used by the Gateway daemon is configured using the ctgjava command on Windows platforms, or using the PATH environment variable on other platforms. Ensure the correct level of Java is available on your system and the location of Java is configured as appropriate.

CTG6765E   The Gateway daemon is unable to load the CICS TG JNI native library DLL *name* ; the reason for the load failure is : *reason*

Explanation: The Gateway daemon Java classes are unable to load the CICS TG JNI native library DLL.

System action: This message is logged. The Gateway daemon fails to start.

User response: This might be because of a corrupted installation. Reinstall CICS Transaction Gateway. If the problem persists, generate a diagnostic trace of the Gateway daemon during startup and contact your service organization.

CTG6770E   ECIRequest: Invalid Call_Type

Explanation: Invalid call type passed to ECIRequest

System action: System action is not required.

User response: Check call type.

CTG6771E   ECIRequest: Commarea outbound length is negative

Explanation: Commarea outbound length must always be a positive integer.

System action: Could not create a Commarea outbound length of this size; default length is set.

User response: Check if Commarea outbound length is a positive integer.

CTG6772E **ECIRequest: eci_timeout value is negative**

Explanation: eci_timeout can only be 0 or a positive integer.

System action: Could not set ECI timeout; default timeout is set.

User response: Check if eci_time is a positive integer.

CTG6773E **ECIRequest: COMMAREA inbound length is negative**

Explanation: The Java client application attempted to set the inbound COMMAREA length to a value less than zero.

System action: The inbound COMMAREA length is not modified.

User response: Ensure that the Java client application does not attempt to set a negative inbound COMMAREA length.

CTG6774E **No JavaGateway or EPIGateway instance has been associated with this terminal**

Explanation: An attempt to connect a terminal failed as no JavaGateway or EPIGateway instance has been associated with that terminal instance.

System action: None.

User response: Create and Configure a JavaGateway or EPIGateway instance and use the appropriate methods or constructors to associate this instance with the instance of the terminal.

CTG6775E **Your created terminal cannot use these extended connect methods, as it is not an extended terminal**

Explanation: An attempt to use the extended Connect Methods on a terminal has failed. The Extended Connect methods can only be used on extended terminal instances.

System action: None.

User response: Use the standard connect method or create an extended terminal instance if you wish to use the extended connect methods.

CTG6776E **CicsCpRequest: unable to convert the CICS code page to a Java encoding: [error]**

Explanation: An attempt to convert a CICS code page

to a Java format, (for example, 850 to Cp850), failed. *error* is the Java error.

System action: System action is not required.

User response: Check the Java error and the CICS Code page.

CTG6777E **Security Exception: return code RC from method call**

Explanation: Return code RC was received when attempting to invoke a security type method *method*

System action: None.

User response: Look up the return code to determine the cause of failure.

CTG6779E **Cannot find equivalent CCSid for encoding**

Explanation: A Java encoding was specified for a terminal, but no equivalent host CCSid is known for this encoding.

System action: None.

User response: Check the documentation for the list of allowed Java encodings that have equivalent CCSid values.

CTG6780E **EPIRequest: Invalid Call_Type**

Explanation: Invalid call type passed to EPIRequest.

System action: System action is not required.

User response: Check call type.

CTG6781E **EPIRequest: Invalid event**

Explanation: Invalid event passed.

System action: System action is not required.

User response: Check event.

CTG6782E **EPIRequest: Invalid termIndex: 0xFFFF**

Explanation: It is invalid to attempt to get an event without specifying a termIndex, since you may obtain events intended for other terminal resources.

System action: System action is not required.

User response: Specify a termIndex.

CTG6783E **EPIRequest: termIndex index does not exist**

Explanation: Where *index* is the invalid termIndex.

System action: System action is not required.

User response: Check that termIndex is available and unique to this connection.

CTG6784E **EPIRequest: termIndex** *index* **belongs to another connection**

Explanation: Where *index* is the invalid termIndex.

System action: System action is not required.

User response: Check that termIndex is unique to this connection.

CTG6785E **EPIRequest: EPI Initialization failed:** [*error*]

Explanation: Where *error* is the error.

System action: Exit application.

User response: For information only.

CTG6786I **There are no free terminals available**

Explanation: Information Message

CTG6787E **Exception [***exception*] **occurred while attempting to load classes from the path:** *path*

Explanation: An exception occurred while screen handler beans where being loaded from the path specified. Possible causes are: the class path is incorrect, a screen handler bean did not have a public constructor , a file or directory could not be accessed.

System action: System action is not required.

User response: Check if class path exist and classes are available.

CTG6788E **Exception [***exception*] **occurred while attempting to load the class:** *class name*

Explanation: An exception occurred while the specified class was being loaded. Possible causes are: the class could not be found, the class did not have a public constructor.

System action: System action is not required.

User response: Check exception and that class is available and has a public constructor.

CTG6789E **An exception has occurred:** *exception*

Explanation: Where *exception* is the exception.

System action: System action is not required.

User response: Check where exception has occurred.

CTG6790E **Too much data received from CICS**

Explanation: More data was returned by CICS than could be handled.

System action: The error is returned to the application.

User response: If the problem persists, contact your service organization.

CTG6792E **Null transaction ID parameter passed to Terminal.send**

Explanation: If a transaction ID parameter is passed to send, it must be a valid string.

System action: System action is not required.

User response: Check if a valid transaction ID is given.

CTG6793E **The terminal is in the wrong state for the requested action**

Explanation: An action was requested when the terminal was in the wrong state, for example: disconnect while the terminal was not idle.

System action: Wait and try again after a fixed period of time.

User response: Wait and try again after a period of time.

CTG6794E **Cursor could not be set to row** *row number*, **column** *column number* **- out of range**

Explanation: Either the row *row number* or the column *column number* are off the screen.

System action: System action is not required.

User response: Check if either the row or the column are out of range.

CTG6795E **Unsupported datastream received from CICS - command is** *command*

Explanation: The datastream received from CICS could not be parsed.

System action: System action is not required.

User response: For information only.

CTG6796E **Transaction** *transaction* **failed, return code** *RC*

Explanation: Transaction *transaction* failed to start, did not complete, or timed out.

System action: None.

User response: Check the Read Timeout value for the terminal if the transaction timed out. Check the Client and CICS server logs for more information on why the transaction failed.

CTG6797E   Failed to delete terminal

Explanation: Terminal could not be deleted.

System action: Wait, then try again.

User response: Check if terminal is still in use.

CTG6798E   Unknown attribute type *type*

Explanation: The attribute type *type* is not supported.

System action: System action is not required.

User response: Check attribute type.

CTG6799E   Return code *RC* **from** *method name* **call**

Explanation: The EPI call *method name* returned the return code *RC* .

System action: System action is not required.

User response: Check return code; if it is not 0 than check for error.

CCL6906I   Attach to server statistics shared memory complete, return code *INSERT-0*

Explanation: Information Message

CCL6911E   Statistic block storage allocation request failed, server statistics unavailable for collection

Explanation: An internal error occurred. The Client was unable to allocate memory to allow server statistics to be gathered.

System action: The message is written to the error log and the Client tries to continue, although attempts to reference this shared memory element may result in a trap. Server statistics will not be available for collection.

User response: Ensure that all orphaned shared memory is purged from the system and that there are sufficient memory resources. The way that you do this depends on your operating system although most UNIX and Linux systems provide the ipcs and ipcrm utilities. If the problem persists, contact your service organization.

CCL6931W   Storage limit reached for statistic *Stat ID*

Explanation: Statistics that provide a list of items have predefined storage limits. The named statistic has reached the limit of storage allocated for it.

System action: The message is written to the error log and processing continues. No more entries are added to this statistic

User response: The named statistic lists values recorded before the storage limit is reached.

CTG6981I   Successfully initialized JNI library

Explanation: Information Message

CTG6982E   The Gateway daemon version *version* **is unable to load JNI DLL** *name* **for a different version** *version*

Explanation: The version of the CICS TG JNI native library is different from the version of the Gateway daemon java classes.

System action: This message is logged. The Gateway daemon fails to start.

User response: This might be because of a corrupted installation. Reinstall the CICS Transaction Gateway. If the problem persists, contact your service organization.

CTG6983E   Initialization failed because the CICS TG Java client application classes version *version* **attempted to load JNI DLL** *name* **version** *version*

Explanation: The CICS TG Java classes are from a different release, compared to the CICS TG JNI DLL.

System action: This error is thrown to the Java client application. Subsequent calls to the CICS TG API will fail.

User response: Ensure the version of the CICS TG JNI referred to in the Java library path is the same as the CICS TG jar files in the application's CLASSPATH. The CICS TG application trace can be used to display the java library path setting used.

CTG6984E   Initialization failed because the CICS TG Java client application classes are unable to load the CICS TG JNI native library file *name* **from the specified library path; the reason for the load failure is :** *reason*

Explanation: A Java client application is unable to load the CICS TG JNI native library.

System action: This error is returned to the Java client application. Subsequent CICS TG API calls fail.

User response: Check that the CICS TG bin directory exists in the library path. Use the CICS TG application trace to display the current java library path setting.

CTG6999E   Unable to open configuration file *filename* **:** [*reason*]

Explanation: The Gateway daemon was unable to open configuration file *filename* due to *reason* .

System action: The Gateway daemon is not started.

User response: Ensure that the specified configuration file exists and that the file permissions are sufficient for

the Gateway daemon to read it.

CCL7001I   *INSERT-0* **- CICS 3270 Terminal Emulator**

Explanation: Information Message

CCL7002I   *INSERT-0* **- CICS 3270 Printer Emulator**

Explanation: Information Message

CCL7003I   **Command options are:**

Explanation: Information Message

CCL7004I   **-S[=server] - Select a server [or name a server]**

Explanation: Information Message

CCL7005I   **-R[=server] - Identical to -S**

Explanation: Information Message

CCL7006I   **-T=transid - Specify an initial transaction**

Explanation: Information Message

CCL7007I   **-K=keyfile - Select a keyboard binding file**

Explanation: Information Message

CCL7008I   **-C=colorfile - Select a color binding file**

Explanation: Information Message

CCL7009I   **-M=modelname - Select a model terminal on the server**

Explanation: Information Message

CCL7010I   **-N=netname - Select a named terminal on the server**

Explanation: Information Message

CCL7011I   **-P=printcmd - Set a command to handle print requests**

Explanation: Information Message

CCL7012I   **-F=printfile - Append print requests to a print file**

Explanation: Information Message

CCL7013I   **-W - Wait for confirmation before completing**

Explanation: Information Message

CCL7014I   **-Q - Inhibit all output messages**

Explanation: Information Message

CCL7015I   **-L=modelname - Select a model terminal for printing**

Explanation: Information Message

CCL7016I   **-O=netname - Select a terminal for printing**

Explanation: Information Message

CCL7017I   **-U - Print null lines**

Explanation: Information Message

CCL7019I   **-J - Issue 1 print job per transaction**

Explanation: Information Message

CCL7020I   **-A - Request a signon incapable terminal**

Explanation: Information Message

CCL7021I   **-Z - Do not insert spaces between SBCS and DBCS data**

Explanation: Information Message

CCL7022I   **-B - Print blank lines**

Explanation: Information Message

CCL7023I   **-E - Use extended default colors**

Explanation: Information Message

CCL7025I   **Press Clear to continue**

Explanation: Information Message

CCL7026I   **Press Clear to terminate the emulator**

Explanation: Information Message

CCL7027I   **The emulator will terminate**

Explanation: Information Message

CCL7028E   Cannot open binding file *file name*

Explanation: CICSTERM could not find or open the specified color, or keyboard, binding file.

System action: The emulator terminates.

User response: Ensure the required binding files exist and are correctly specified, then restart the emulator.

CCL7029E   Out of memory processing binding file *file name*

Explanation: CICSTERM ran out of memory while processing a color, or keyboard, binding file.

System action: The emulator terminates.

User response: Reduce the number of bindings specified in the file or try to provide more system free memory; then restart the emulator.

CCL7030E   Error detected at line *number* **in binding file** *file name* **- duplicate bind for item** *item*

Explanation: CICSTERM detected an error in a color, or keyboard, binding file. Only one binding is allowed for the specified item.

System action: The emulator terminates.

User response: Correct the binding file and restart the emulator.

CCL7031E   Error detected at line *number* **in binding file** *file name* **- unknown command** *command*

Explanation: CICSTERM detected an error in a color, or keyboard, binding file. The specified command was not a valid binding command.

System action: The emulator terminates.

User response: Correct the binding file and restart the emulator.

CCL7032E   Error detected at line *number* **in binding file** *file name* **- invalid function** *function*

Explanation: CICSTERM detected an error in a keyboard binding file. The specified item was not a valid 3270 keyboard function.

System action: The emulator terminates.

User response: Correct the binding file and restart the emulator.

CCL7033E   Error detected at line *number* **in binding file** *file name* **- invalid modifier** *modifier*

Explanation: CICSTERM detected an error in a keyboard binding file. The specified item was not a valid workstation keyboard modifier value.

System action: The emulator terminates.

User response: Correct the binding file and restart the emulator.

CCL7034E   Error detected at line *number* **in binding file** *file name* **- invalid key** *key*

Explanation: CICSTERM detected an error in a keyboard binding file. The specified item was not a valid workstation key name.

System action: The emulator terminates.

User response: Correct the binding file and restart the emulator.

CCL7035E   Error detected at line *number* **in binding file** *file name* **- invalid attribute** *attribute*

Explanation: CICSTERM detected an error in a color binding file. The specified item was not a valid 3270 screen field attribute.

System action: The emulator terminates.

User response: Correct the binding file and restart the emulator.

CCL7036E   Error detected at line *number* **in binding file** *file name* **- invalid color** *color*

Explanation: CICSTERM detected an error in a color binding file. The specified item was not a valid workstation display color.

System action: The emulator terminates.

User response: Correct the binding file and restart the emulator.

CCL7037E   Unable to communicate with the Client daemon

Explanation: CICSTERM or CICSPRNT could not communicate with the Client daemon. This probably means the Client daemon was unable to start.

System action: The emulator terminates.

User response: Try to start the Client daemon using the CICSCLI /S command.

CCL7038E **The Client daemon has not been started**

Explanation: The Client daemon is not currently running.

System action: The emulator terminates.

User response: Refer to the CICS Transaction Gateway Information Center for details of how to start the product on the platform you are using.

CCL7039I *emulator* **- CICS server selection**

Explanation: Information Message

CCL7040I **Please choose the CICS server you require:**

Explanation: Information Message

CCL7041I **Enter the number of the server or Esc to cancel**

Explanation: Information Message

CCL7042I *number* **:** *server name* **-** *description*

Explanation: Information Message

CCL7043E **Terminal screen width is invalid - reset to 80 columns**

Explanation: The server returned a terminal definition that contained an invalid screen width for the terminal emulator. (Screen widths are normally 40, 80, or 132 columns.)

System action: The emulator resets the screen width to a standard 80 columns. Output may appear corrupted because the client and server terminal definitions may not match.

User response: Check with the server system administrator to determine why the terminal definition is incorrect.

CCL7044E **Terminal screen size is too large - reset to maximum**

Explanation: The server returned a terminal definition that contained a screen size too large for the terminal emulator. The product of screen width and screen depth cannot exceed 4096.

System action: The emulator resets the screen depth to the maximum number of rows. Output may appear corrupted because the client and server terminal definitions may not match.

User response: Check with the server system administrator to determine why the terminal definition is incorrect.

CCL7045E **Connection lost with server** *server*

Explanation: The connection with the specified server has been lost. This would normally indicate that the server is no longer available.

System action: The emulator waits until the server is available again and tries to reconnect.

User response: Wait for the connection to be reestablished or clear the error message and terminate the emulator.

CCL7046E **The Client daemon reported a resource shortage**

Explanation: The Client daemon returned a resource shortage error. This indicates either a shortage of free memory, or if SNA communications are being used, there may be insufficient LU6.2 sessions available.

System action: The emulator attempts to continue, although further requests to the Client daemon may receive the same error response.

User response: If the Client is very busy, the resource shortage may disappear when the work load decreases. Otherwise, examine the Client log to determine the cause of the error, stop the Client and restart it with more resources.

CCL7047E **The Client daemon is closing down**

Explanation: CICSTERM or CICSPRNT could not be started because the Client daemon is closing down.

System action: The emulator terminates.

User response: Wait for the Client daemon to close down, then restart the emulator.

CCL7048E **Server** *server* **is undefined**

Explanation: The Client daemon indicated that the specified server name is unknown.

System action: The emulator terminates.

User response: Ensure the required server name is one of those listed in the configuration file, or use the /S option to select from a list of valid names.

CCL7049E **Unable to connect to server** *server*

Explanation: The Client daemon was unable to connect to the specified server.

System action: The emulator terminates.

User response: Check for other messages and examine the Client error log to determine the cause of the error.

CCL7050E **The MaxBufferSize setting is too small for this terminal**

Explanation: The emulator tried to send more data than the Client daemon could accept.

System action: The data is ignored and the emulator continues.

User response: Increase the MaxBufferSize value in the Client section of the configuration file, then stop and restart the product.

CCL7051E **Server** *server* **does not support client terminals**

Explanation: Client 3270 emulator terminals are not supported by all CICS servers. The specified server is one of those that does not provide this support. If this is a CICS for iSeries server this message can also be generated if CICS is unavailable.

System action: The emulator terminates.

User response: Select a server that does support client terminals or check with the server system administrator to determine why client terminals are not supported.

CCL7052E **Server** *server* **rejected this terminal install with a security error**

Explanation: The specified server is secure and required a valid userid and password before it could install a client terminal.

System action: The emulator terminates.

User response: Enter a valid userid and password when prompted by the Client daemon. Alternatively, to avoid the prompt use the CICSCLI /C command to set the userid and password.

CCL7053E **Errors found while communicating with server** *server*

Explanation: The Client daemon encountered errors while communicating with the specified server.

System action: The emulator ignores the errors and tries to continue.

User response: Check for other messages and examine the Client error log to determine the cause of the error.

CCL7054I **Server** *server* **is currently unavailable**

Explanation: Information Message

CCL7055E **Terminal install failed - NetName** *name* **is invalid**

Explanation: The server rejected the terminal because the specified NetName was invalid.

System action: The emulator terminates.

User response: Ensure the requested terminal NetName is correct and defined at the server. If the error persists, check with the server system administrator for the cause of the error.

CCL7056E **Terminal install failed - Model** *model* **is invalid**

Explanation: The server rejected the terminal because the specified Model was invalid.

System action: The emulator terminates.

User response: Ensure the requested terminal Model is correct and defined at the server. If the error persists, check with the server system administrator for the cause of the error.

CCL7057E **Terminal install failed - NetName** *name* **is already installed**

Explanation: The server rejected the request because another terminal was already installed with the same NetName.

System action: The emulator terminates.

User response: Ensure the requested terminal NetName is correct. If the error persists, check with the server system administrator for the cause of the error.

CCL7058E **Terminal install failed - rejected by the server**

Explanation: The server was unable to accept the terminal and rejected the installation request.

System action: The emulator terminates.

User response: Check with the server system administrator to determine why the terminal was rejected.

CCL7059E **Terminal install failed - reason unknown**

Explanation: The server rejected the terminal.

System action: The emulator terminates.

User response: Check with the server system administrator to determine why the terminal was rejected.

CCL7060W **DBCS datastream errors detected**

Explanation: The terminal emulator detected errors in the DBCS datastream.

System action: The terminal emulator ignores the errors and tries to continue.

User response: Check with the CICS Transaction Server system administrator to determine why incorrect data is being generated.

CCL7061E   **Unable to open or create print output file**

Explanation: The terminal emulator was unable to open or create the local print file specified by the PrintFile option in the configuration file.

System action: The print request is ignored and the terminal emulator continues.

User response: Ensure the name of the print file you specified in the configuration file is correct and accessible.

CCL7062E   **Unable to write to the print output file**

Explanation: The terminal was unable to write to the local print file specified by the PrintFile option in the configuration file.

System action: The print request is ignored and the emulator continues.

User response: Ensure the name of the print file you specified in the configuration file is correct and accessible.

CCL7063E   **Unable to execute print command (errno = *errno*)**

Explanation: The terminal emulator is unable to execute the local print command specified by the PrintCommand option in the configuration file. The *errno* value indicates the return code from the operating system.

System action: The print request is ignored and the emulator continues.

User response: Ensure the print command you specified in the configuration file is correct. A fully qualified filename should be used.

CCL7064I   **CICS printer is active - netname *%s1* terminal id *%s2***

Explanation: Information Message

CCL7065I   **Press Esc to terminate**

Explanation: Information Message

CCL7066I   **Continue with CICS printer closedown?**

Explanation: Information Message

CCL7067I   **CICS printer closedown cancelled - processing continues**

Explanation: Information Message

CCL7068I   **Press Enter to continue or Esc to cancel printer closedown**

Explanation: Information Message

CCL7069E   **Server *server* has reported a transaction ABEND**

Explanation: The specified server reported an ABEND while trying to run the current transaction. This may have been caused by a communications failure between the Client daemon and server.

System action: The terminal emulator ignores the errors and tries to continue.

User response: Examine any other messages and the Client error log and server error log to determine the cause of the error.

CCL7070E   **Terminal screen depth is invalid - reset to 24 rows**

Explanation: The server returned a terminal definition that contained an invalid screen depth for the terminal emulator. (Screen depths are normally between 10 and 60 rows).

System action: The terminal emulator has reset the screen depth to a standard 24 rows. Output may appear corrupted because the terminal emulator and server terminal definitions may not match.

User response: Check with the server system administrator to determine why the terminal definition is incorrect.

CCL7071E   **Screen data exceeds the display space available**

Explanation: The server returned more data than the terminal emulator can accept.

System action: The excess data is ignored and the terminal emulator tries to continue.

User response: Check with the server system administrator to determine why such a large amount of data is being generated. Client trace information may be helpful when trying to find these errors.

CCL7072E   **The Client daemon has reached its MaxServers limit**

Explanation: The Client daemon can only communicate simultaneously with the number of servers specified by the MaxServers option in the Client section of the configuration file (ctg.ini). This limit has been reached.

System action: The emulator terminates.

User response: Use the CICSCLI /X command to close connections to servers that are no longer required,

or increase the "MaxServers" setting in the configuration file; then stop and restart the product.

CCL7073E   Terminal install failed - requested terminal is not a 3270 device

Explanation: The server rejected the terminal because the server terminal definition does not represent a 3270 device.

System action: The emulator terminates.

User response: Ensure the requested terminal Model or NetName is correct and correctly defined at the server. If the error persists, check with the server system administrator for the cause of the error.

CCL7074E   Terminal install failed - server is busy

Explanation: The server rejected the terminal emulator because the server was too busy.

System action: The emulator terminates.

User response: Retry the request sometime later when the server is not so busy.

CCL7080I   Continue with emulator closedown?

Explanation: Information Message

CCL7081I   &File

Explanation: Information Message

CCL7082I   &Print

Explanation: Information Message

CCL7083I   E&xit

Explanation: Information Message

CCL7084I   &Settings

Explanation: Information Message

CCL7085I   &Font

Explanation: Information Message

CCL7086I   &Autosize

Explanation: Information Message

CCL7087I   &Save on exit

Explanation: Information Message

CCL7098E   An internal processing error has occurred

Explanation: The terminal emulator detected an unexpected internal error.

System action: Error information is written to the Client error log.

User response: Obtain the Client error log and trace information if available, and contact your support organization.

CCL7099I   Refer to the error log for more details

Explanation: Information Message

CCL7101E   Internal transport error (Function = *Function*, Error Code = *Error*)

Explanation: An internal emulator function failed.

System action: The message is written to the error log and the emulator terminates. The function name and error code are logged.

User response: If the problem persists, contact your service organization.

CCL7103E   Internal Windows function error (Function = *Function*)

Explanation: An internal Windows function failed.

System action: The message is written to the error log and the emulator terminates. The function name is logged.

User response: If the problem persists, contact your service organization.

CCL7104E   Emulator has insufficient memory to create an internal control structure

Explanation: The emulator is unable to allocate enough memory to create an internal control structure.

System action: The message is written to the error log and the emulator terminates.

User response: Try altering the system configuration to provide more free memory when the emulator is started, then restart the emulator.

CCL7105E   Emulator has received incorrect sized data block(s) (*size1*, *size2*)

Explanation: The emulator has received incorrect data from the Client daemon.

System action: The message is written to the error log and the emulator continues.

User response: If the problem persists, contact your service organization.

CCL7106E • CCL7629E

CCL7106E   Emulator ATI table error

Explanation: The emulator has received too many outstanding ATI requests from the server.

System action: The message is written to the error log and the emulator continues.

User response: Try to establish why the emulator is receiving large numbers of ATI requests while being unable to initiate them. If the problem persists, contact your service organization.

CCL7108E   No CICS servers are available

Explanation: There no CICS servers available for the emulator to use.

System action: The emulator terminates.

User response: Check that there are one or more valid CICS servers in the configuration file. If the workload manager is active, check that at least one of the servers the emulator tried to connect to is available. Examine the Client trace to see which servers the workload manager attempted to connect to.

CCL7109E   CICS_EpiAddTerminal rejected by the EPI user exit

Explanation: The EPI user exit (CICSEPIX) returned CICS_EXIT_DONT_ADD_TERMINAL and rejected the CICS_EpiAddTerminal request.

System action: The EPI terminal is not added.

User response: Check with the server system administrator to determine why the terminal was rejected.

CCL7136E   A minimum screen size of *number* rows by *number* columns is required

Explanation: The screen size available is too small for cicsterm. The minimum size is 25 rows by 80 columns.

System action: The terminal emulator has not been started.

User response: Change the screen size of your terminal before starting cicsterm and retry.

CCL7252W   CICS EPI user exits are not activated

Explanation: One or more required exits have not been initialized.

System action: The Client daemon will continue but exits will not be used.

User response: Define the exits as defined in the "Writing your own user exits section" of the CICS Transaction Gateway Information Center.

CCL7257E   Application with PID = *PID* cannot determine whether Workload Manager is active

Explanation: The application *PID* cannot determine whether Workload Manager is active.

System action: This message is written to the log, and Workload Manager is switched off in application *PID* .

User response: If the problem persists, contact your service organization.

CCL7273E   Error accessing application message queue: error code=*error code*, process Id *PID*

Explanation: The Client daemon cannot communicate with the Client application's IPC message queue. This is an unrecoverable situation. The Client application with process Id *PID* must be restarted.

System action: No action.

User response: Restart the Client application.

CCL7628E   All affinity regions for program are invalid

Explanation: A user application specified a program which has no affinity with any of the active regions defined to the Workload Manager.

System action: It is possible to define program affinity to CICS regions on the Workload Manager, to indicate that a program is defined on a particular CICS region. If using the biasing algorithm, the Workload Manager sends requests only to regions with the correct affinity.

User response: A trace point prior to this one gives the name of the program. Check that the program has affinity with one of the regions defined to the Workload Manager, and that at least one of the CICS regions with affinity is running. The 'cicscli -l' command will indicate if the connection to the CICS server is active.

CCL7629E   Unable to read Workload Manager INI file *filename* (reason = *error*)

Explanation: The Workload Manager is unable to read the specified file, which contains working configuration data. The file is created and maintained by the Workload Manager.

System action: The message is written to the log and the Load Manager is disabled.

User response: Make sure that the INI file being read exists on the disk, and that it is not read-protected. If the problem persists, contact your service organization.

CCL7639W   **Duplicate parameter** *parameter* **found [line** *number* **] - ignored**

Explanation: This is a warning. A duplicate parameter heading has been detected in the Workload Manager section of the configuration file ctg.ini.

System action: The Client continues to read the configuration file ctg.ini, but all duplicate parameters are ignored.

User response: Remove any duplicate parameters from the configuration file ctg.ini.

CCL7640W   **Duplicate section** *section* **found [line** *number* **] - ignored**

Explanation: This is a warning. A duplicate section heading has been detected in the Workload Manager section of the configuration file ctg.ini.

System action: The Client continues to read the configuration file ctg.ini, but all duplicate sections are ignored.

User response: Remove any duplicate sections from the configuration file ctg.ini.

CCL7643E   **Incomplete or missing section** *section*

Explanation: The Workload Manager found an invalid section in the configuration file ctg.ini, the specified section could not be read.

System action: The Client continues but the Workload Manager is disabled.

User response: Remove or correct the invalid section in the configuration file ctg.ini.

CCL7644E   **Cannot find parameter** *parameter*

Explanation: A mandatory parameter could not be found in the Workload Manager INI file.

System action: The Workload Manager will be disabled.

User response: Make sure that the Workload Manager INI file is valid.

CCL7645E   **Parameter** *parameter* **has invalid value** *value*

Explanation: The specified parameter has an invalid value.

System action: The Workload Manager will be disabled.

User response: Make sure that the Workload Manager INI file is valid.

CCL7646E   **Value for parameter** *parameter* **is too large (Max =** *size* **)**

Explanation: The value of the specified parameter is too large.

System action: The Workload Manager will be disabled.

User response: Make sure that the value specified is within the required range.

CCL8001I   *INSERT-0* **- CICS Transaction Gateway Client Daemon Control Program**

Explanation: Information Message

CCL8002I   **Command options are:**

Explanation: Information Message

CCL8003I   **-S[=server] - Start Client daemon [and connect to a server]**

Explanation: Information Message

CCL8004I   **-X[=server] - Shutdown Client daemon [or server connection]**

Explanation: Information Message

CCL8005I   **-I[=server] - Abort Client daemon [or server connection]**

Explanation: Information Message

CCL8006I   **-L - List active server connections**

Explanation: Information Message

CCL8007I   **-D[=size] - Enable service tracing [and set size limit]**

Explanation: Information Message

CCL8008I   **-O - Disable all service tracing**

Explanation: Information Message

CCL8009I   **-C=server - Specify server for security changes**

Explanation: Information Message

CCL8010I   **Requires one or both of -U and -P options**

Explanation: Information Message

CCL8011I	**-U[=userid] - Set userid to be used with a server**

Explanation: Information Message

CCL8012I	**-P[=password] - Set password to be used with a server**

Explanation: Information Message

CCL8015I	**-W - Wait for confirmation before completing**

Explanation: Information Message

CCL8016I	**-Q - Inhibit all output messages**

Explanation: Information Message

CCL8017I	**-V - Display Client daemon version information**

Explanation: Information Message

CCL8018I	**-Y - Controlled restart of Client daemon**

Explanation: Information Message

CCL8019I	**-J - Immediate restart of Client daemon**

Explanation: Information Message

CCL8020I	**-M[=components] - Specify Client components to trace**

Explanation: Information Message

CCL8021I	**-B - Specify memory mapped tracing**

Explanation: Information Message

CCL8023I	*INSERT-0* **performed no action**

Explanation: Information Message

CCL8024E	**Unable to communicate with the Client daemon**

Explanation: CICSCLI could not communicate with the Client daemon process. This probably means that the Client daemon was unable to start.

System action: CICSCLI performs no action.

User response: Try starting the Client daemon using the CICSCLI /S command.

CCL8025I	**The Client daemon has not been started**

Explanation: Information Message

CCL8026I	**Client trace is enabled**

Explanation: Information Message

CCL8027I	**Client trace is disabled**

Explanation: Information Message

CCL8028I	**The Client daemon is starting with options '***option list* **'**

Explanation: Information Message

CCL8029I	*INSERT-0* **for** *INSERT-1* **Version** *INSERT-2*

Explanation: Information Message

CCL8030E	**Unable to change Client trace state**

Explanation: The Client daemon was unable to set the requested trace state.

System action: Service tracing remains unchanged.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL8031E	**Server** *server* **is unknown**

Explanation: The specified server name was not defined in the configuration file.

System action: CICSCLI performs no action.

User response: Correct the server name and reissue the command. If required, add the server to the configuration file, then stop and restart the product to activate the changes.

CCL8032E	**Unable to complete stop request**

Explanation: The Client daemon was unable to disconnect from the server.

System action: CICSCLI performs no action.

User response: Try using CICSCLI /I; if this fails examine any other messages and the Client error log to determine the cause of the error.

CCL8033I	**Connection to server** *server* **is stopping**

Explanation: Information Message

CCL8034I   **The Client daemon is stopping**

Explanation: Information Message

CCL8035I   **The Client daemon is already started**

Explanation: Information Message

CCL8036E   **Unable to perform start request, see Client error log**

Explanation: The Client daemon was unable to complete the start request.

System action: CICSCLI performs no action.

User response: Examine any other messages and the Client error log to determine the cause of the error. The error log is in the location specified in the configuration file, or in /var/cicscli if there was an error in the configuration.

CCL8037I   **Connection to server *server* is being started**

Explanation: Information Message

CCL8038I   **The Client daemon is starting**

Explanation: Information Message

CCL8039I   **The Client daemon is stopping**

Explanation: Information Message

CCL8040I   **No servers are being used by the Client daemon**

Explanation: Information Message

CCL8041I   **The Client daemon is using the following servers:**

Explanation: Information Message

CCL8042I   **Server *server* (using *protocol* to *netname*) is available**

Explanation: Information Message

CCL8043I   **Server *server* (using *protocol* to *netname*) is unavailable**

Explanation: Information Message

CCL8044I   **Server *server* (using *protocol* to *netname*) is connecting**

Explanation: Information Message

CCL8045I   **Server *server* (using *protocol* to *netname*) is stopping**

Explanation: Information Message

CCL8046E   **Unable to perform list request**

Explanation: The Client daemon was unable to perform a request to list the current server connection details.

System action: CICSCLI performs no action.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL8047I   **-T - Display Client daemon startup parameters**

Explanation: Information Message

CCL8050I   **Requested security information has been updated**

Explanation: Information Message

CCL8051E   **Invalid request to change security information, server name is required**

Explanation: A CICSCLI command was issued with the /U or /P options but without the /C or /S option specifying a server name.

System action: CICSCLI performs no action.

User response: Reissue the command with the correct options.

CCL8052E   **Unable to make the requested security information changes**

Explanation: The Client daemon was unable to perform the request to change the userid and password information for a secure server.

System action: CICSCLI performs no action.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL8053E   **Connection to server *server* is already started**

Explanation: The Client daemon was unable to perform a request to connect to the named server, because a connection with the server already exists.

System action: CICSCLI performs no action.

User response: If the connection is no longer required, use the CICSCLI /X command to close it.

CCL8054E   Connection to server *server* has not been started

Explanation: The Client daemon was unable to perform the request to start a connection with the specified server.

System action: CICSCLI performs no action.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL8055E   The Client daemon has reached its MaxServers limit

Explanation: The Client daemon can only communicate simultaneously with the number of servers specified by the MaxServers option in the Client section of the configuration file. This limit has been reached.

System action: CICSCLI performs no action.

User response: Use the CICSCLI /X command to close connections to servers that are no longer required. Alternatively, increase the MaxServers setting in the configuration file; then stop and restart the product.

CCL8056E   *Size* is an incorrect trace size limit value

Explanation: The CICSCLI /D command to start Client tracing can include an optional numeric value specifying the maximum size of data to be traced. The specified size is either not a numeric value or is outside the permitted range of 1 - 32767.

System action: CICSCLI performs no action.

User response: Reissue the command with the correct value.

CCL8057I   Client daemon error and security pop-ups have been enabled

Explanation: Information Message

CCL8058I   Client daemon error and security pop-ups have been disabled

Explanation: Information Message

CCL8059I   Error and security pop-ups were already enabled

Explanation: Information Message

CCL8060I   Error and security pop-ups were already disabled

Explanation: Information Message

CCL8061E   Unable to set error and security pop-up state

Explanation: The Client daemon was unable to set the security and error pop-up state requested by a CICSCLI /E or CICSCLI /N command.

System action: Error and security pop-ups remain unchanged.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL8062I   Option *option* ignored because the Client daemon is already started

Explanation: Information Message

CCL8063E   Option *option* cannot be used unless starting the Client daemon

Explanation: The /F option to specify a configuration file was included on a CICSCLI command, but this option can be specified only when starting the Client daemon with the CICSCLI /S command.

System action: CICSCLI performs no action.

User response: If a different configuration file is required, the product must be stopped and restarted.

CCL8064E   A request to restart the Client daemon timed out

Explanation: A request to restart the Client daemon timed out while waiting for the Client daemon to stop. Cicscli waits up to 60 seconds for the Client daemon to stop. It can take some time to stop the Client daemon, because all active conversations with the server must complete first. On some network protocols a specific sequence of data flows must be exchanged with the server during shutdown; this can also take some time.

System action: The restart command terminates, and the Client daemon will not be restarted.

User response: Wait for the cclclnt process to terminate; this means that the Client daemon has stopped. Then issue a start request.

CCL8065E   Unable to change status of Client trace to memory buffer

Explanation: The Client daemon was unable to set the requested trace state.

System action: Service tracing to the memory buffer remains unchanged.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL8066E   Unable to start Client trace to memory buffer

Explanation: The Client daemon was unable to start the trace to the memory buffer. This is probably because sufficient storage could not be allocated.

System action: Service tracing to the memory buffer was not started.

User response: Examine any other messages and the Client error log to determine the cause of the error.

CCL8067E   A request to start the Client daemon timed out

Explanation: A request to start the Client daemon has timed out because another instance of the Client daemon is currently shutting down. Cicscli waits for up to 60 seconds for the Client daemon instance to shut down. For shutdown to complete, all active server conversations must complete and network connections must have ended and this may take some time.

System action: The start command terminates and the Client daemon will not start.

User response: Wait for the cclclnt process to terminate, showing the Client daemon has stopped, and reissue the start request.

CCL8069E   Userid *userid* **exceeds the maximum supported length**

Explanation: The length of the userid string supplied exceeds the maximum supported by the CICS TG Client.

System action: CICSCLI performs no action.

User response: Reissue the command with a valid string.

CCL8070E   Password *password* **exceeds the maximum supported length**

Explanation: The length of the password string supplied exceeds the maximum supported by the CICS TG Client.

System action: CICSCLI performs no action.

User response: Reissue the command with a valid string.

CCL8072I   The Client daemon is trying to restart ...

Explanation: Information Message

CCL8073I   You must be user root to use the '-f' command

Explanation: Information Message

CCL8074I   Build Level *INSERT-0*, *INSERT-1*

Explanation: Information Message

CCL8075I   -R - Register Client daemon startup parameters

Explanation: Information Message

CCL8076I   [-A<CICSCLIParam1> [-A<CICSCLIParam2> ...]]

Explanation: Information Message

CCL8079W   Failed to obtain precise product version information, rc=*return code*

Explanation: The fixpack version of the installed product could not be determined as there was an error reading information from the product information file product.xml. This might be because the product.xml file could not be found or could not be read.

System action: The version of the cicscli utility is displayed.

User response: Check that the file product.xml exists in the product installation directory and that the user issuing the cicscli command has permission to read product.xml. If the problem persists, contact your service organization.

CCL8080E   Invalid request to start a server connection, server name is required

Explanation: A CICSCLI command was issued with the /S option but without specifying a server name.

System action: CICSCLI performs no action.

User response: Reissue the command with a server name.

CCL8081E   Invalid request to shut down a server connection, server name is required

Explanation: A CICSCLI command was issued with the /X option but without specifying a server name.

System action: CICSCLI performs no action.

User response: Reissue the command with a server name.

CCL8082E   **Invalid request to abort a server connection, server name is required**

Explanation: A CICSCLI command was issued with the /I option but without specifying a server name.

System action: CICSCLI performs no action.

User response: Reissue the command with a server name.

CCL8083I   **Client daemon startup parameters are: '*parameters* '**

Explanation: Information Message

CCL8090I   **-S=server - Start a server connection**

Explanation: Information Message

CCL8091I   **-X=server - Shut down a server connection**

Explanation: Information Message

CCL8092I   **-I=server - Abort a server connection**

Explanation: Information Message

CCL8093E   **Client daemon startup parameter *parameter* is invalid**

Explanation: The client daemon startup parameter listed is not a valid entry.

System action: The service continues to start using the default parameter.

User response: Correct the client daemon startup parameter and restart service.

CTG8200E   **No message available for message id *ID***

Explanation: The message id indicated could not be located within the message file.

System action: No action has been taken.

User response: Contact your service organization with the message id.

CTG8201E   **Unable to open a connection to Gateway daemon on port *port* : exception message = *exception***

Explanation: An exception was thrown when trying to open a connection to the Gateway daemon on the specified port. The exception message is provided.

System action: The requested action cannot be completed.

User response: The exception may provide more information into the problem.

CTG8202E   **Exception occurred trying to authenticate with gateway *gateway* : exception message = *exception***

Explanation: An exception was thrown when trying to authenticate the client with the Gateway daemon at the specified URL. The exception message is provided.

System action: The requested action cannot be completed.

User response: The exception may provide more information into the problem.

CTG8203E   **Unexpected gateway rc=*RC* trying to authenticate with gateway *gateway***

Explanation: An unexpected return code was received when trying to authenticate the client with the Gateway daemon at the specified URL.

System action: The requested action cannot be completed.

User response: The return code may provide more information into the problem.

CTG8204E   **Gateway *gateway* has security protocols in place not recognized by this program**

Explanation: CTGAdmin cannot handle the security protocols in place on the Gateway daemon at the specified URL.

System action: The requested action cannot be completed.

User response: Obtain a later version of ctgadmin.jar, or disable the protocols at Gateway *gateway* .

CTG8205E   **Unknown security protocol *protocol* in gateway *gateway* reported a failure rc=*RC***

Explanation: The indicated security protocol, unknown to CTGAdmin, reported a failure of the specified return code.

System action: The requested action cannot be completed.

User response: Obtain a later version of ctgadmin.jar, or disable the protocols at Gateway *protocol* .

CTG8206E   **Unexpected gateway rc=*RC* trying to send request to gateway *gateway***

Explanation: An unexpected return code was received trying to send the request from the authenticated client.

System action: The requested action cannot be completed.

User response: The return code may provide more information into the problem.

CTG8207E   **Unable to initialize with authenticated gateway** *gateway* **: rc =** *RC*

Explanation: An unexpected return code was received trying to initialize with the Gateway daemon from an authenticated client at the specified URL.

System action: The requested action cannot be completed.

User response: The return code may provide more information into the problem.

CTG8208E   **Exception occurred trying to send request to gateway** *gateway* **: exception message =** *exception*

Explanation: An exception was thrown when trying to send a request from an authenticated client to the Gateway daemon at the specified URL. The exception message is provided.

System action: The requested action cannot be completed.

User response: The exception may provide more information into the problem.

CTG8209E   **Unexpected rc=***RC* **sending request to gateway** *gateway*

Explanation: An unexpected return code was received trying to send a request to the Gateway daemon from an authenticated client at the specified URL.

System action: The requested action cannot be completed.

User response: The return code may provide more information into the problem.

CTG8210E   **The Gateway** *gateway* **reports no management server located**

Explanation: The Gateway daemon at the specified URL was unable to locate its management server.

System action: The requested action cannot be completed.

User response: Obtain a trace from the Gateway daemon and contact your service organization.

CTG8211E   **The gateway** *gateway* **sent back information which this client cannot read**

Explanation: CTGAdmin cannot handle information sent by the Gateway daemon at the specified URL.

System action: The requested action cannot be completed.

User response: Ensure that the Java level on the Java client is at least as high as that on the Gateway

daemon. Also check that you have the latest version of ctgadmin.jar installed.

CTG8212E   **Option** *a-option* **or** *msg-option* **must be specified**

Explanation: One of the mandatory options was not specified.

System action: The requested action cannot be completed.

User response: Reissue the command, specifying one of the mandatory options.

CTG8213E   **An unexpected error occurred processing option** *option*

Explanation: An unexpected error occurred when processing the specified option.

System action: The requested action cannot be completed.

User response: Contact your service organization.

CTG8214E   **Option** *option* **cannot be specified more than once**

Explanation: The specified option appears more than once in the request; this is not allowed.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8215E   **Option** *option* **is not valid**

Explanation: The specified option is not recognized.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8216E   **Option** *option* **must be prefixed with -**

Explanation: A parameter was provided but did not start with a minus sign.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8217E   **Unexpected internal error**

Explanation: An unexpected internal error occurred.

System action: The requested action cannot be completed.

User response: If the problem persists, contact your service organization.

CTG8218I   The command completed successfully

Explanation: Information Message

CTG8219E   Action *action* **specified is not valid**

Explanation: CTGAdmin did not recognize the specified action.

System action: The requested action cannot be completed.

User response: Correct the request and try again. Refer to help for a list of valid actions.

CTG8220E   No recognized options for action *action* **specified**

Explanation: This action requires options, but no valid ones were specified.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8221E   Parameter for option *option* **must be numeric**

Explanation: The parameter for the specified option was not a number and is required to be a number.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8222E   Option *option***, parameter** *parameter* **outside range of** *min -max*

Explanation: The parameter for the specified option was not within the range specified by *min -max* .

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8223E   Cannot specify the option fulldatadump with dumpoffset or truncationsize

Explanation: For the trace action you cannot specify the fulldatadump option with the dumpoffset option or the truncationsize option.

System action: The requested action cannot be completed.

User response: Correct the request and try again. Specify fulldatadump if you want the complete contents of the dump. Specify dumpoffset, or truncationsize, or both, if you want a partial dump.

CTG8224E   IP address or host name not authorized for gateway *gateway*

Explanation: The client machine is not authorized to perform administrative commands on the specified URL.

System action: The requested action cannot be completed.

User response: Check that the host from which you are issuing the command appears in the list of authorized hosts at the Gateway daemon that you are attempting to administer (configuration tool, TCPAdmin panel).

CTG8225E   Option *option***, parameter** *parameter* **is below minimum value of** *min*

Explanation: The parameter for the specified option was too low and cannot be used.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8226E   Gateway daemon does not accept administration requests on port *port*

Explanation: The specified port does not refer to the local Admin port but refers to a standard TCP protocol handler.

System action: The requested action cannot be completed.

User response: specify the port for the local admin handler and reissue the request.

CTG8227E   Exception returned from gateway *gateway* **: exception message =** *exception*

Explanation: An exception was returned from the Gateway daemon at the specified URL.

System action: The requested action cannot be completed.

User response: The exception message will provide more information on the problem.

CTG8228E   Specified option(s) *option* **unknown for requested action**

Explanation: The specified option is not recognized.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8229E   Unexpected rc=*RC* trying to authenticate with gateway *gateway*

Explanation: An unexpected return code was received when trying to authenticate the client with the Gateway daemon at the specified URL.

System action: The requested action cannot be completed.

User response: The return code may provide more information into the problem.

CTG8230E   The gateway *gateway* sent back an exception that this client cannot read

Explanation: The Gateway daemon at the URL specified tried to send an exception back which cannot be handled by CTGAdmin.

System action: The requested action cannot be completed.

User response: Ensure that the Java level on the Java client is at least as high as that on the Gateway daemon. Also check that you have the latest version of ctgadmin.jar installed.

CTG8231E   JNI Trace file name must be specified

Explanation: For the trace action, the jnifile option was specified but no parameter was given. A parameter must be specified.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8232I   CTGAdmin performed no action

Explanation: Information Message

CTG8233E   Cannot specify *action* and its short form *abreviation* together

Explanation: You entered options for an action, but at least one of the options has been specified in its full form and its short form. This is equivalent to specifying the same option twice.

System action: The requested action cannot be completed.

User response: Correct the request by specifying either the full version of the option or its short form.

CTG8234I   Immediate shutdown was requested

Explanation: Information Message

CTG8235I   Normal shutdown was requested

Explanation: Information Message

CTG8236E   Option *option*, unexpected parameter specified

Explanation: The option specified had an associated parameter, but the option doesn't require a parameter.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8237E   The use of tfile or tf is not supported on z/OS

Explanation: The CICS Transaction Gateway does not support setting the Gateway trace file through SDSF.

System action: The Gateway daemon continues running.

User response: If trace is required to go to a specific file, specify the file in the configuration file used when the Gateway daemon starts.

CTG8238E   The use of jnifile or jf is not supported on z/OS

Explanation: The CICS Transaction Gateway does not support setting the JNI trace file through SDSF.

System action: The Gateway daemon continues running.

User response: If JNI trace is required to go to a specific file, specify the file in the CTG_JNI_TRACE environment variable.

CTG8239I   Response received from CICS Transaction Gateway

Explanation: Information Message

CTG8240E   Cannot specify multiple options for stats action

Explanation: The 'stats' action accepts only one of the '-gs', '-si', '-rg' options.

System action: The requested action cannot be completed

User response: Correct the request and try again

CTG8241W   IDs *ids* not recognized

Explanation: A request for statistical information specified one or more IDs that do not exist.

System action: The requested action completes.

User response: Correct the IDs and try again.

CTG8242W • CTG8269I

CTG8242W   ID *id* **specified multiple times**

Explanation: ID *id* was specified more that once in a request for statistics.

System action: The requested action completes.

User response: Remove the duplicate ID to remove this message.

CTG8243W   Statistic *id* **is part of resource group** *resource group*

Explanation: The command contained a request for statistic *id* and its resource group *resource group*

System action: The requested action completes and the results for *resource group* are displayed.

User response: Remove either the statistic ID or the resource group ID and rerun the command.

CTG8244W   Unable to retrieve statistic *id*

Explanation: An error occurred in the CICS TG while attempting to retrieve statistic *id*

System action: The requested action completes.

User response: Check the CICS TG error logs for details of the error.

CTG8245W   Unable to retrieve all statistics for resource group *id*

Explanation: An error occurred in the CICS TG while retrieving one or more statistics as part of the request for statistics in resource group *id* .

System action: The requested action completes.

User response: Check the CICS TG error logs for details of the error.

CTG8246E   The administration request was sent to an incorrect Gateway daemon port

Explanation: The administration request was rejected as it was sent to an incorrect Gateway daemon port.

System action: The requested action cannot be completed.

User response: Resend the request to the Gateway daemon port identified by the adminport parameter.

CTG8247W   Null response received from Gateway daemon during *dump type* **dump request**

Explanation: The Gateway daemon received the dump request but returned a null response

System action: The Gateway daemon returned an invalid response to the dump request, which might not be completed.

User response: Check the Gateway daemon log for earlier messages indicating the dump request completed successfully.

CTG8248E   The *dump type* **dump type is unsupported in the remote JVM**

Explanation: The remote JVM executing the Gateway daemon does not support the *dump type* dump type.

System action: The requested action cannot be completed.

User response: Correct the request by requesting a dump type supported by the remote JVM.

CTG8249E   The Gateway daemon encountered a serious error while processing *dump type* **dump type (Response code=***response* **)**

Explanation: The request to the Gateway daemon completed but an error was detected.

System action: The Gateway daemon returned an error during the dump request, which might not be completed.

User response: Check the Gateway daemon log for earlier messages indicating the dump request completed successfully.

CTG8250I   The Gateway daemon successfully processed the *INSERT-0* **dump request**

Explanation: Information Message

CTG8251E   An invalid response was returned from the Gateway daemon during *dump type* **dump request**

Explanation: The Gateway daemon received the dump request but returned an invalid response

System action: The Gateway daemon returned an invalid response to the dump request, which might not be completed.

User response: Check the Gateway daemon log for earlier messages indicating the dump request completed successfully.

CTG8268I   Invoking dump request

Explanation: Information Message

CTG8269I   Dump request complete

Explanation: Information Message

CTG8270W Statistical type *ids* not recognized

Explanation: A request for statistical information specified one or more statistical types that do not exist.

System action: The invalid types are ignored and the requested action completes. If the statistical type list contained no valid statistical types then all results will be displayed.

User response: Correct the specified statistical types and try again.

CTG8273E The '-all' dump option cannot be combined with other dump options

Explanation: If the '-all' dump option is specified it must be the only option.

System action: The requested action cannot be completed.

User response: Correct the request and try again.

CTG8274W Some dump types are unsupported in the remote JVM

Explanation: The remote JVM executing the Gateway daemon does not support some dump types.

System action: The requested action completes, but some dump types are not performed.

User response: Check the Gateway daemon log for earlier messages indicating which dump types are unsupported.

CTG8275E Cannot communicate with the Windows Service Control Manager (Error Code=*error code*)

Explanation: An error occurred during communications with the Windows Service Control Manager. The Windows OpenSCManager function returned the specified error.

System action: The requested action does not succeed.

User response: If the problem persists, contact your service organization.

CTG8276E Insufficient security permissions to communicate with the CICS TG service

Explanation: The current user has insufficient authority for the administration of Windows Services.

System action: The requested action does not succeed.

User response: Check the Windows application event log for further information on the error. Ensure that the current user has the required level of authority.

CTG8277E Cannot communicate with the CICS TG service (Error Code=*error code*)

Explanation: An error occurred during communications with the IBM CICS Transaction Gateway service. The Windows OpenService function returned the specified error.

System action: The requested action does not succeed.

User response: Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

CTG8278E Cannot start the CICS TG service (Error Code=*error code*)

Explanation: An error occurred while the IBM CICS Transaction Gateway service was starting. The Windows Service Control Manager returned the specified error.

System action: The requested action does not succeed.

User response: Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

CTG8279I The CICS TG service is already started

Explanation: Information Message

CTG8280E The CICS TG service failed to start (Error Code=*error number*, *error code*), check the Windows application event log

Explanation: An error occurred while the IBM CICS Transaction Gateway service was starting. The service returned the specified error.

System action: The requested action does not succeed.

User response: Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

CTG8281I The CICS TG service is starting

Explanation: Information Message

CTG8282E The CICS TG service failed to start (Windows error code=*error code*), check the Windows application event log

Explanation: An error occurred while the IBM CICS Transaction Gateway service was starting. Windows returned the specified error.

System action: The requested action does not succeed.

User response: Check the Windows application event log for further information on the error. If the problem persists, contact your service organization.

CTG8283E   The message identifier *message identifier* **is not recognized**

Explanation: The message identifier was not specified in the correct format.

System action: The requested action cannot be completed.

User response: Correct the message identifier and try again.

CTG8284I   IBM CICS Transaction Gateway Desktop Edition Informational Dump V*Product Version* **Build Level** *Build Level Dump Data*

Explanation: Information Message

CTG8285I   IBM CICS Transaction Gateway Informational Dump V*Product Version* **Build Level** *Build Level Dump Data*

Explanation: Information Message

CTG8286I   Informational dump complete

Explanation: Information Message

CTG8287I   Logging of CICS Messages is enabled

Explanation: Information Message

CTG8288W   Message from CICS server *Server* **:** *Message*

Explanation: A message has been returned from the named CICS server.

System action: CICS Transaction Gateway logs this message and processing continues.

User response: Refer to the Information Center for the CICS server for details about the message.

CTG8400I   Using configuration file *filename*

Explanation: Information Message

CTG8401I   The following ciphers are enabled:

Explanation: Information Message

CTG8402I   Request Monitoring Exit *class_name* **is enabled**

Explanation: Information Message

CTG8403E   Request monitoring exit *class_name* **failed to initialize with exception** *exception_message*

Explanation: During initialization the request monitoring exit *class_name* failed with exception *exception_message* .

System action: The Gateway daemon or Java Client classes will continue to initialize with the exit disabled.

User response: Correct the error in the exit identified by the *exception_message* and restart the Gateway daemon to enable this exit.

CTG8404I   JSSE version unknown

Explanation: Information Message

CTG8405I   JSSE provider info: *INSERT-0*

Explanation: Information Message

CTG8406E   Request Monitoring Exit *class_name* **has failed with exception** *exception_message* **while processing** *exit_event* **event**

Explanation: The request monitoring exit *class_name* failed with exception *exception_message* when the exitFired method was called for event *exit_event* .

System action: Processing continues with the exit disabled.

User response: Correct the error in the exit identified by the *exception_message* and restart the Gateway daemon to enable this exit.

CTG8407I   -applid=<applid> - the Gateway daemon applid

Explanation: Information Message

CTG8408I   -applidqualifier=<qual> - the Gateway daemon applid qualifier

Explanation: Information Message

CTG8409E   *Stream* log is defined but an output destination has not been specified

Explanation: The specified log handler has failed to start. The destination has not been specified.

System action: This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

User response: Check the configuration file to ensure that the destination is specified correctly and has valid parameters.

CTG8410E   *Stream* **log is configured to an unknown destination**

Explanation: The specified log handler has failed to start. The destination is either unknown, or unsupported on this platform.

System action: This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

User response: Check the configuration file to ensure that the destination is specified correctly and has valid parameters.

CTG8411E   **Logging to file is not supported on z/OS**

Explanation: The file logging handler has failed to start because it is unsupported on this platform.

System action: This message is written to the error stream. The log stream that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

User response: Correct the configuration file to use a log handler that is supported on this platform.

CTG8412E   *Stream* **log to** *destination* **has missing parameters**

Explanation: The specified log failed to start because expected parameters are missing.

System action: This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

User response: Add the parameters which are missing, and ensure that they have valid values.

CTG8413E   *Stream* **log to** *destination* **has an invalid value for parameter** *parameter name*

Explanation: The specified log failed to start because the value supplied for the specified parameter is outside the permitted range.

System action: This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

User response: Correct the value of the specified log parameter in the configuration file.

CTG8414E   *Stream* **log unable to write to file:** *name*

Explanation: The log to file failed to start because it was unable to write to the specified file.

System action: This message is written to the error stream. The log that failed to start is now written to

stdout or stderr, depending on whether the error or information log was being configured.

User response: Check that the file system is not full, and that the CICS Transaction Gateway has the necessary permissions to write to the file.

CTG8415W   **Log to file has mismatched parameter:** *parameter***, so using largest value (***value* **) to continue**

Explanation: Both information and error log streams are configured to log to the same file, but have different parameters specified for the file properties.

System action: This message is written to the error stream. The file handler will start using the larger of the two values.

User response: The reason gives more information about the mismatched parameters. Correct the configuration file by either specifying different filenames for the two log streams, or ensure that both streams have the same parameters if you want to log both streams to the same file.

CTG8416W   **Unknown log stream:** *stream*

Explanation: An incorrect log stream was specified.

System action: This message is written to the error stream.

User response: Check the configuration file to ensure the log stream is specified correctly. Refer to the CICS Transaction Gateway Information Center for details of the supported stream types.

CTG8417I   **The statsrecording parameter is not specified so SMF Recording is not enabled**

Explanation: Information Message

CTG8418W   **The statsrecording parameter has been ignored as it is not valid on this platform**

Explanation: The configuration file ctg.ini contains the statsrecording parameter. This parameter is only supported on the z/OS platform.

System action: The Gateway daemon continues its initialization process.

User response: To prevent this message occurring in future, remove the statsrecording parameter from configuration file by loading the file into the Configuration Tool and then saving it, or by editing the file in a text editor.

CTG8419I **SMF Recording is not enabled**

Explanation: Information Message

CTG8420E **The CICS Transaction Gateway does not support HTTP protocols**

Explanation: Either the HTTP or HTTPS protocol handler is specified in the configuration file.

System action: The Gateway daemon continues, but does not start the handler for the specified protocol.

User response: Migrate to the TCP or SSL handlers, and then remove references to the protocol from the configuration file by loading the file into the Configuration Tool and then saving it, or by editing the file in a text editor.

CTG8421I **SMF Recording is enabled**

Explanation: Information Message

CTG8422E **The Gateway daemon failed to initialize the SMF recording facility with an internal exception** *exception*

Explanation: An internal error occurred in the logic that intializes SMF recording.

System action: The Gateway daemon will continue to run. Statistics will not be recorded to SMF.

User response: If the problem persists, contact your service organization.

CTG8423E **An internal exception** *exception* **occurred whilst processing data for an SMF record**

Explanation: An internal error occurred in the logic that processes data to send to SMF.

System action: The Gateway daemon will continue to run. The current set of statistics will not be written to SMF and the data will be lost. The Gateway daemon will continue to attempt to write to SMF.

User response: If the problem persists, contact your service organization.

CTG8424E **The command line override** *parameter* **is only supported on z/OS**

Explanation: The command line override 'parameter' was specified when starting a Gateway daemon on a platform that is not z/OS. The parameter is only supported on z/OS.

System action: This message is logged and the Gateway daemon fails to start.

User response: Restart the Gateway daemon without specifying the command line override.

CTG8425E **The** *name* **parameter exceeds the maximum length of** *len* **characters**

Explanation: Parameter 'NAME' has a maximum length of 'LEN' characters. This has been exceeded.

System action: This message is output and the Gateway daemon fails to start.

User response: Reconfigure the parameter to be within the allowed limit and restart the Gateway.

CTG8426I **The applid is** *applid*

Explanation: Information Message

CTG8427I **The applid qualifier is** *applidqualifier*

Explanation: Information Message

CTG8428I **Client connection associated with Connection Manager** *Connection Manager* **has client applid** *Client Applid* **and qualifier** *Client Applid Qualifier*

Explanation: Information Message

CTG8429I **Established new IPIC connection to CICS server** *CICS Server name as defined in the INI file.* **with: negotiated session limit=**sessions*Number of simultaneous sessions allowed on this connection*, **CICSAPPLID=***Applid of the CICS server.* **CICSAPPLIDQUALIFIER=***Applid Qualifier of the CICS server.*, **HOSTNAME=***Host name used when connecting to CICS.*, **PORT=***Port number used when connecting to CICS.*, **sockets=***Number of sockets used by this connection*

Explanation: Information Message

CTG8430I **Closed IPIC connection to CICS server** *CICS Server name as defined in the INI file.*

Explanation: Information Message

CTG8431E **Handshake failure for IPIC connection to CICS server** *server name* **response code=***CICS response code*, **reason=***reason* [*numeric reason code*]

Explanation: The physical socket connection was established, but CICS rejected the connection.

System action: Any requests that were attempting to use the CICS server *server name* will fail with ECI_ERR_NO_CICS. Requests received after this point will also fail until the server retry interval has expired, at which point the connection will be retried.

User response: Check that the IPIC server *server name* is defined correctly in the ctg.ini file (remote mode) or Server URL (local mode) and check the reason text *reason* . Also check the console log for the CICS server and topic "DFHIS1011" in the CICS Transaction Server Information Center for an explanation of the reason.

CTG8432W CICS has purged IPIC conversation *conversation ID* **to CICS server** *server name* **with mirror task** *task*, **Transaction ID:** *XID or IPIC LUW token (if relevant)*

Explanation: The CICS connection defined as *server name* has been purged at the CICS end. This has caused all work on that connection to be aborted. The work can be identified with the transaction token *XID or IPIC LUW token (if relevant)* and mirror transaction *task* .

System action: CICS Transaction Gateway ends the work and frees each purged conversation to CICS.

User response: No user response required.

CTG8433E Connection failure for IPIC connection to CICS server *server name* **reason =** *reason text*

Explanation: The physical socket connection could not be established to the target CICS server.

System action: Any requests that were attempting to use the CICS server *server name* will fail with ECI_ERR_NO_CICS. Requests that are received after this point will also fail until the server retry interval has expired, at which point the connection will be retried.

User response: Check that the IPIC server is defined correctly in the ctg.ini file (remote mode) or server URL (local mode) and check the reason text *reason text* .

CTG8434E IPIC server *server name* **configuration parameter error; Reason:** *reason text*

Explanation: There is an error in the specified IPIC server definition in the configuration file.

System action: The CICS Transaction Gateway fails to start.

User response: Edit the configuration file to correct the IPIC server definition. Refer to the CICS Transaction Gateway Information Center for details of the IPIC server parameters.

CTG8435W Duplicate IPIC Server Definition *server name* **in ctg.ini**

Explanation: The named IPIC server definition is a duplicate of another definition within the ctg.ini file.

System action: The Gateway daemon will ignore the duplicate server definition.

User response: Check that the IPIC server is defined correctly in the ctg.ini file.

CTG8436W An IPIC Server Definition in the INI file is not of the form SECTION IPICSERVER=NAME

Explanation: The IPIC Server definition was not created properly in the configuration file.

System action: The Gateway will ignore the server definition.

User response: Check that each IPIC server is defined correctly in the INI file.

CTG8437I Shutdown statistics:

Explanation: Information Message

CTG8438W The initial number of worker threads is greater than maximum number of worker threads

Explanation: The value specified for the initial number of worker threads in the configuration settings is greater than the value specified for the maximum number of worker threads.

System action: The initial number of worker threads is reset to be the value of maximum number of worker threads.

User response: Adjust the configuration settings to ensure that the value of the initial number of worker threads (initworker) is set less than or equal to the value of the maximum number of worker threads (maxworker).

CTG8439W The initial number of connection manager threads is defined to be greater than the maximum number of connection manager threads

Explanation: The value specified for the initial number of connection manager threads in the configuration settings is greater than the value specified for maximum number of connection manager threads.

System action: The initial number of connection manager threads is reset to be the value of maximum number of connection manager threads.

User response: Adjust the configuration settings to ensure that the value of the initial number of connection manager threads (initconnect) is set less than or equal to the value of the maximum number of connection manager threads (maxconnect).

CTG8440E   Duplicate Logical CICS Server definition *server name* **detected in the configuration file**

Explanation: The Logical CICS server definition is a duplicate of another definition in the configuration file

System action: The CICS Transaction Gateway fails to start

User response: Edit the configuration file to define unique Logical CICS server definitions

CTG8441E   Multiple definitions of *property name* **detected in the configuration file at line** *line number*

Explanation: The configuration file contains more that one definition for the property

System action: The CICS Transaction Gateway fails to start

User response: Edit the configuration file to correct the duplicate property

CTG8442W   Both the statsport parameter and the configuration for statistics API handler are specified

Explanation: The configuration file contains the statsport configuration parameter and the configuration for the statistics API handler

System action: The CICS Transaction Gateway starts using the configuration for the statistics API handler

User response: Edit the configuration file to remove the statsport parameter

CTG8443E   A logical CICS server definition in the configuration file is not specified in the correct format: SECTION LOGICALSERVER=NAME

Explanation: The logical CICS server definition is not specified correctly in the configuration file.

System action: The CICS Transaction Gateway fails to start.

User response: Check that each logical CICS server is defined correctly in the configuration file.

CTG8444E   Multiple SERVER fields in logical CICS server definition *server name*

Explanation: The definition for the logical CICS server contains multiple SERVER definitions.

System action: The CICS Transaction Gateway fails to start.

User response: Correct the definition in the configuration file to contain a single SERVER definition.

CTG8445E   Error reading logical CICS server definition *server name* **from the configuration file: Reason =** *reason*

Explanation: An error occurred while reading the logical CICS server definition.

System action: The CICS Transaction Gateway fails to start.

User response: Check that the logical CICS server is defined correctly in the configuration file.

CTG8446E   CICS Request Exit *name* **failed to initialize with exception** *message*

Explanation: During initialization the CICS request exit *name* failed with exception *message*

System action: The CICS Transaction Gateway fails to start.

User response: Correct the error identified by the exception *message* and restart the CICS Transaction Gateway

CTG8447I   CICS Request exit *name* **installed successfully**

Explanation: Information Message

CTG8448I   Command line options updated *property* **to be** *value*

Explanation: Information Message

CTG8449E   Unexpected configuration parameter *property* **at line** *line number* **in the configuration file**

Explanation: The configuration parameter *property* is unknown, is in the wrong section or is unsupported on this platform.

System action: The CICS Transaction Gateway does not start

User response: Edit the configuration file to correct the error and start the CICS Transaction Gateway

CTG8450E   An ENDSECTION label is expected before line *line number* **in the configuration file**

Explanation: The configuration file parser encountered the start of a new section when the previous section had not been terminated with an ENDSECTION label.

System action: The CICS Transaction Gateway does not start.

User response: Edit the configuration file to correct the error and start the CICS Transaction Gateway.

CTG8451W Specified retry count is less than zero

Explanation: The retry count specified by the CICS request exit was less than zero

System action: The CICS Transaction Gateway continues to start and uses zero as the retry count value

User response: Update the CICS request exit to specify a retry count greater than or equal to zero and restart the CICS Transaction Gateway

CTG8452W Exception *exception* thrown by CICS request exit

Explanation: The request failed and threw an exception in the CICS request exit

System action: The CICS Transaction Gateway continues and returns an error to the Java client application

User response: Check why the CICS request exit threw an exception and update the exit

CTG8453I Logical CICS servers disabled due to CICS request exit configuration

Explanation: Information Message

CTG8454E Value *parameter value* is not valid for configuration parameter *parameter name* at line *line number*

Explanation: The configuration file parameter value is not valid

System action: The CICS Transaction Gateway fails to start

User response: Edit line *line number* of the configuration file to correct the parameter value. Refer to the CICS Transaction Gateway Information Center for details of the valid values.

CTG8455I Successfully started the local administration handler on port *port*

Explanation: Information Message

CTG8456I Successfully started the local statistics API handler on port *port*

Explanation: Information Message

CTG8457I Successfully started the local administration handler on port *port*, bound to address *address*

Explanation: Information Message

CTG8458I Successfully started the statistics API handler on port *port*, bound to address *address*

Explanation: Information Message

CTG8459W statsport parameter found in configuration file

Explanation: The configuration of the statistics API handler has been increased to include the IP address to bind to and the maximum number of clients that can connect, to allow statistics API programs to connect from remote clients. The specified configuration file contains the old style configuration.

System action: The statistics API handler is started on the specified port and accepts requests from the loopback device only.

User response: Update the configuration file to use the new configuration parameters for the statistics API.

CTG8460E Parameter *parameter name* on line *line number* of the configuration file is not supported on this platform

Explanation: The configuration file parameter *parameter name* is not supported by the CICS Transaction Gateway for this platform.

System action: The CICS Transaction Gateway does not start.

User response: Refer to the CICS Transaction Gateway Information Center for details about which configuration parameters are supported on this platform. Correct the configuration file so that it does not use parameter *parameter name* and start the Gateway daemon.

CTG8461I Successfully initialized trace plug-in '*plug-in name* '

Explanation: Information Message

CTG8462E Failed to initialize trace plug-in '*plug-in name* ' with reason code = '*reason code* '

Explanation: During initialization of the CICS Transaction Gateway trace mechanism, the trace plug-in *plug-in name* was found to be unusable.

System action: The CICS Transaction Gateway continues but uses the default trace plug-in, FileTrace.

User response: If you have been asked to use an alternative trace plug-in by IBM, then contact your service organization providing full details of the message.

CTG8463E   Section *section name* **is not supported on this platform**

Explanation: The configuration file section *section name* is not supported by the CICS Transaction Gateway for this platform.

System action: The CICS Transaction Gateway does not start.

User response: Refer to the CICS Transaction Gateway Information Center for details about which configuration sections are supported on this platform. Correct the configuration file so that it does not use section *section name* and start the Gateway daemon.

CTG8464W   **Information left in RRS after transaction completion for XID** *xid*

Explanation: An XA transaction has been sucessfully completed in CICS but Gateway information has been left in RRS.

System action: The CICS Transaction Gateway continues.

User response: Manually commit the UR in RRS that is associated with the XID listed.

CTG8465E   **Multiple definitions of section type** *section name* **detected in the configuration file at line** *line number*

Explanation: The configuration file contains more that one definition for the *section name* section

System action: The CICS Transaction Gateway does not start

User response: Correct the configuration file so that there is only a single definition for the section *section name* .

CTG8466E   **Multiple definitions of section type** *section type* **with name** *section name* **detected in the configuration file at lines** *line number* **and** *line number*

Explanation: The configuration file contains at least two sections of type *section type* with name *section name* .

System action: The CICS Transaction Gateway does not start.

User response: Correct the configuration file so there is only a single definition for section *section type* with name *section name* .

CTG8467E   **Duplicate server definitions with name** *section type* **detected in the configuration file at lines** *line number* **and** *section name*

Explanation: The configuration file contains at least two server definitions with name *section type* .

System action: The CICS Transaction Gateway does not start.

User response: Correct the configuration file so there is only a single server definition with name *section type* .

CTG8468W   **CICS request exit attempted to retry an XA request to server** *current server name* **having already attempted to use server** *previous server name* **which uses a different protocol**

Explanation: When retrying a request the CICS request exit returned a server that uses a different protocol than the CICS server the request was originally sent to.

System action: The request fails, an error is returned to the client application and this message written to the log.

User response: Update the CICS request exit to ensure that CICS servers that are used for retrying XA requests all use the same protocol as the original CICS server.

CTG8469I   **Request monitoring is active**

Explanation: Information Message

CTG8470E   **Information and error message logging to console is not supported**

Explanation: The Gateway daemon failed to start because a log destination of console is not supported on this platform.

System action: The Gateway daemon fails to start. If the error log destination is configured to use console, this is ignored and this message is written to the default error log.

User response: Edit the configuration file (ctg.ini) to use a file log destination.

CTG8471E   *log stream* **log destination does not contain valid file**

Explanation: The Gateway daemon failed to start because the log destination does not specify a valid output file.

System action: The Gateway daemon fails to start. This message is written to the error log.

User response: Edit the configuration file (ctg.ini) to specify a valid file destination.

CTG8472E **The CICS request exit** *class_name* **has thrown an exception while processing a command event with data** *exit_event_data* **: exception =** *exception_message*

Explanation: The CICS request exit class has thrown an exception from the eventFired method while processing a command event.

System action: Processing continues.

User response: Review the stack trace and correct the error in the CICS request exit.

CTG8473E **The CICS request exit** *class_name* **has thrown an exception while processing event** *exit_event* **: exception =** *exception_message*

Explanation: The CICS request exit class has thrown an exception from the eventFired method while processing event.

System action: Processing continues.

User response: Review the stack trace and correct the error in the CICS request exit.

CTG8474E **The CICS request exit** *class_name* **does not implement method** *method_name*

Explanation: The specified CICS request exit class does not implement a required interface method.

System action: Gateway daemon initialization fails.

User response: Update the CICS request exit to implement the required methods of interface com.ibm.ctg.ha.CICSRequestExit or remove the CICS request exit from the Gateway daemon configuration and restart the Gateway daemon.

CTG8475W **The name of** *section* **section** *name* **contains characters that are not supported**

Explanation: The specified section has a name containing characters that are not in the set of supported characters for server definitions. Supported characters are A-Z and 0-9 and '@', '#', '$', '-'.

System action: The Gateway daemon continues.

User response: Edit the name of the specified section in the configuration file so that it contains only supported characters.

CTG8476E *Stream* **log to** *destination* **has an invalid combination of** *first parameter* **and** *second parameter* **parameters**

Explanation: The specified stream failed to start because the combination of values supplied for the parameters is not valid. If the 'filesize' parameter is

greater than 0 then the 'maxfiles' parameter must be greater than 1.

System action: This message is written to the error stream. The log that failed to start is now written to stdout or stderr, depending on whether the error or information log was being configured.

User response: Correct the value of the specified log parameters in the configuration file.

CTG8477I **About to connect to server** *server*

Explanation: Information Message

CCL8501I *INSERT-0* **- CICS TG Client BMS Conversion Utility**

Explanation: Information Message

CCL8502I **Command options are:**

Explanation: Information Message

CCL8503I **/C - To generate C++ files**

Explanation: Information Message

CCL8504I **/B - To generate Visual Basic files**

Explanation: Information Message

CCL8520I **Issue '***INSERT-0* **/?' to list command options**

Explanation: Information Message

CCL8521E **Unknown command option** *option*

Explanation: An invalid command option was specified when using the CICSBMSC command.

System action: CICSBMSC performs no action.

User response: Reissue the command with the correct option.

CCL8522E **Input file** *filename* **must have .bms or .BMS suffix**

Explanation: The CICSBMSC command requires a BMS source file as input.

System action: CICSBMSC performs no action.

User response: Reissue the command with the correct BMS source file name.

CCL8523E   Unable to open BMS input file *filename*

Explanation: The CICSBMSC command could not find, or could not read the supplied BMS source file.

System action: CICSBMSC performs no action.

User response: Check that the BMS source file name is correct, that the file is available and can be read.

CCL8524E   Unable to open output files

Explanation: The CICSBMSC command is unable to create output files.

System action: CICSBMSC processing ends.

User response: Check that there is sufficient disk space available for the CICSBMSC output files.

CCL8525I   Processing BMS map *INSERT-0*

Explanation: Information Message

CCL8526E   Error in BMS source file *filename* line *number*

Explanation: The CICSBMSC command has found an error in an input BMS source file.

System action: CICSBMSC processing ends.

User response: Check the BMS macro source at the line indicated.

CCL8527I   C++ output files *INSERT-0* and *INSERT-1* created

Explanation: Information Message

CCL8528I   Visual Basic file *INSERT-0* created

Explanation: Information Message

CCL8529I   Processing is complete

Explanation: Information Message

CTG8800I   CTGJAVA - CICS Transaction Gateway Java location tool

Explanation: Information Message

CTG8801I   CTGCFG - CICS Transaction Gateway Configuration Tool launcher

Explanation: Information Message

CTG8803I   CTGADMIN - CICS Transaction Gateway Administration Tool launcher

Explanation: Information Message

CTG8804E   The CICS Transaction Gateway is not installed properly

Explanation: The CICS Transaction Gateway is not installed correctly. Registry keys are created at install time.

System action: The command line application terminates.

User response: Reinstall the CICS Transaction Gateway.

CTG8805E   Unable to read from the registry

Explanation: The program tried to read from the registry but cannot read the appropriate registry key. This is normally caused by security settings in the registry.

System action: The command line application terminates.

User response: Get your system administrator to give read permission to the registry key HKEY_LOCAL_MACHINE\SOFTWARE\IBM\CICS Transaction Gateway.

CTG8806E   Unable to write to the registry

Explanation: The program tried to write to the registry but cannot write the appropriate registry key. This is normally caused by security settings in the registry.

System action: The command line application terminates.

User response: Logon as a user who has permissions to write to either HKEY_LOCAL_MACHINE\SOFTWARE\IBM\CICS Transaction Gateway. Then repeat the command line option.

CTG8807E   Unable to find a JVM

Explanation: When trying to run a Java application the application launcher was unable to find a JVM.

System action: The command line application terminates.

User response: Install a JVM, or use the CTGJAVA command to point to the Java Virtual Machine to run.

CTG8808E   **Unable to find Java runtime classes**

Explanation: When trying to run a Java application, the Java runtime classes could not be found.

System action: The command line application terminates.

User response: Install the Java Virtual Machine (JVM) correctly.

CTG8809E   **An unexpected error occurred locating a JRE**

Explanation: An unexpected failure occurred while attempting to retrieve the location of the JRE.

System action: The process terminates.

User response: If the problem persists, contact your service organization.

CTG8810I   **Current JVM set to:** *INSERT-0*

Explanation: Information Message

CTG8811I   **-s=filename - Specifies the JVM to use**

Explanation: Information Message

CTG8812I   **-v - View the current JVM being used**

Explanation: Information Message

CTG8813I   **-a - Autoconfigure the JVM**

Explanation: Information Message

CTG8814I   **CTGJAVA - CICS Transaction Gateway Java location tool**

Explanation: Information Message

CTG8815E   **File does not exist** *Registry string to the file.*

Explanation: The file specified does not exist.

System action: The command line application terminates.

User response: Specify the fully qualified path to a Java Virtual Machine.

CTG8816I   **-j<argument> - argument to pass to the JVM**

Explanation: Information Message

CTG8817I   **-c<argument> - argument to pass to the 'cicscli' command**

Explanation: Information Message

CTG8818E   **The JVM specified is unsupported**

Explanation: The Java Virtual Machine pointed to by the CTGJAVA command is of an unsupported level.

System action: The command line application terminates.

User response: Specify a supported Java Virtual Machine to CTGJAVA.

CTG8819E   **The currently set JVM is unsupported**

Explanation: When trying to run a Java application, the Java Virtual Machine was found to be of an unsupported level.

System action: The command line application terminates.

User response: Use the CTGJAVA command to point to a supported Java Virtual Machine.

CTG8820E   **This application is not supported on this Operating System**

Explanation: The JVM detected an attempt to run an application on an unsupported operating system.

System action: The application terminates.

User response: Ensure that you are running a supported Operating System.

CTG8821E   **The CICS Transaction Gateway was unable to start the Client daemon**

Explanation: The Client daemon must be started before the Gateway daemon. The 'ctgstart' command called 'cicscli' to start the Client daemon and the Client daemon failed to start.

System action: The 'ctgstart' command terminates, the Gateway daemon is not started.

User response: Examine any other console messages and the Client error log to determine the cause of the error.

CTG8822E   **An attempt to open an internal pipe for command** *command line* **failed with return code** *rc*

Explanation: The operating system returned the specified error to the application.

System action: The command line application terminates.

User response: Retry the start attempt. If the problem

persists, contact your service organization.

CTG8823E   The Java Virtual Machine launcher specified is unsupported

Explanation: The Java Virtual Machine (JVM) launcher, javaw.exe, is unsupported.

System action: The command line application terminates.

User response: Configure the JVM launcher using the CTGJAVA utility to use "java.exe".

CTG8986I   CICS Transaction Gateway start type is *Start Type*

Explanation: Information Message

CTG8987E   Invalid value *Invalid value* **specified for the START parameter**

Explanation: The START parameter is specified with an invalid value.

System action: This message is output and the Gateway daemon does not start.

User response: Specify a valid value for START, or remove the START parameter, and restart the Gateway daemon. Refer to the CICS Transaction Gateway Information Center for valid values of START.

CTG8989E   The *Handler* **protocol handler is specified with no corresponding protocol definition** *Definition*

Explanation: The protocol handler definition is not defined in the Gateway daemon configuration file.

System action: This message is output and the Gateway daemon does not start.

User response: Edit the Gateway daemon configuration file to specify a valid protocol handler definition.

CTG8990E   The required *Handler* **protocol handler parameter** *Parameter* **is not specified**

Explanation: The protocol handler parameter is not defined in the configuration file or, if available, as a command line override.

System action: This message is output and the Gateway daemon does not start.

User response: Correct the configuration and retry.

CTG8991E   *protocol handler* protocol handler parameter *parameter name* **value is not valid or is missing**

Explanation: The value of the specified protocol handler parameter is not valid or is missing.

System action: The Gateway daemon fails to start.

User response: Edit the configuration file to correct the parameter value or to add a value. See the CICS Transaction Gateway information center for information about valid values.

CCL9042E   Message queue header does not contain valid eye-catcher, eye-catcher = *eye-catcher* **(***eye-catcher* **)**

Explanation: The Inter-Process Communication (IPC) transport mechanism attempted to retrieve data from a message queue that was of an unrecognised type.

System action: The process continues.

User response: Investigate the Windows event log and the Client daemon log files for error messages and restart the Client application. If the problem persists, contact your service organization.

CCL9049E   Wait for pipe service thread to end expired

Explanation: During shutdown a pipe service thread within the Inter-Process Communication (IPC) layer did not end within the expected time. This might cause other errors to be logged during shutdown.

System action: This message is written to the log file. Shutdown continues.

User response: If the problem persists, contact your service organization.

CCL9091E   Unable to communicate with Client daemon

Explanation: The Client application was unable to communicate with the Client daemon process.

System action: This message is written to the log file. The Client application will continue.

User response: Check the Windows application event log and in the product logs to find out why the Client daemon was not running. If the problem persists, contact your service organization.

CCL9092E   Unable to locate pipe entry for session type *session type* **and session id** *session* **in pipe table**

Explanation: The Inter-Process Communication (IPC) layer could not locate the specified named pipe entry.

System action: This message is written to the log file. The process will continue.

User response: Investigate the Windows event log and the Client daemon log files for error messages and restart the Client daemon and any Client applications. If the problem persists, contact your service organization.

CCL9093E **Unable to locate named pipe for session id** *session*

Explanation: An internal error has occurred. The interprocess communication could not locate a named pipe for the specified session id.

System action: This message is written to the log file. Processing continues.

User response: Restart the IBM CICS Transaction Gateway service. If the problem persists, contact your service organization.

CCL9094E **Session type mismatch, session type** *session type***, expected session type** *session type*

Explanation: An internal processing error has occurred. The interprocess communication encountered an unexpected session type.

System action: This message is written to the log file. Processing continues.

User response: Restart the IBM CICS Transaction Gateway service. If the problem persists, contact your service organization.

CCL9095E **A Client application was unable to connect to the Client daemon**

Explanation: The Interprocess communication failed to connect the client application to the Client daemon after a number of attempts.

System action: This message is written to the log file. The Client application is unable to use the Client daemon services.

User response: Restart the IBM CICS Transaction Gateway service and retry. If the problem persists, contact your service organization.

CCL9098E **Unrecognised request type** *request type*

Explanation: The Inter-Process Communication (IPC) layer did not recognise request type in the data received from another process.

System action: This message is written to the log file. Processing continues.

User response: This is an internal error. If the problem persists, contact your service organization.

CCL9116E **Unable to send message to queue** *number*

Explanation: An error occurred writing an internal message to a message queue. In UNIX and Linux systems, the Client daemon communicates internally using message queues. In systems other than AIX, the default configuration settings for these queues are too small to allow for large client data flows.

System action: The Client daemon is unable to operate.

User response: Change the configuration settings of the message queues to allow for large client data flows. The way that you do this depends on your operating system. For UNIX and Linux refer to the CICS Transaction Gateway Information Center for details on configuring message queues. If this does not resolve the problem, contact your service organization.

CCL9117I **This may be because you have not configured your system for large message queues**

Explanation: Information Message

CCL9118I **Refer to the CICS Transaction Gateway Information Center for details**

Explanation: Information Message

CCL9124E **Unable to determine maximum file descriptors (Function =** *function***, Error code=***error* **), using default value**

Explanation: On a UNIX or Linux platform, a call to determine the maximum number of file descriptors available to a process has returned an error code. The *error* value indicates the value from the *function* system call.

System action: The message is written to the error log. The Client daemon continues using a default number of file descriptors.

User response: If the problem persists, contact your service organization.

CCL9125E **Error releasing file descriptors (Errno =** *error* **), continuing processing**

Explanation: On a UNIX or Linux platform, an attempt to close all inherited file descriptors failed, for at least one descriptor. The *error* value indicates the return code from the operating system.

System action: The message is written to the error log and the Client continues. Applications using the Client may encounter problems restarting after termination if this error has occurred.

User response: If the problem persists, contact your service organization

CCL9126E **Required message queue (key** *queue key* **) already exists, will not reuse**

Explanation: A CICS Transaction Gateway component tried to create an Operating System message queue that already exists. The queue key is *queue key* and is based on the process ID (PID) of the component. This will be the Gateway daemon PID or Client daemon PID.

System action: The message is written to the client log and if the component affected is the Client daemon, it fails to start. Requests to servers connected by TCP/IP or SNA will fail.

User response: Shut down the Gateway daemon and Client daemon, and restart the CICS Transaction Gateway.

CCL9128E **System limit for number of message queues exceeded**

Explanation: A CICS Transaction Gateway component tried to create an Operating System message queue but the system limit for the number of message queues would be exceeded.

System action: The message is written to the client log and if the component affected is the Client daemon, it fails to start. Requests to servers connected by TCP/IP or SNA will fail.

User response: Increase the number of system message queues defined for your system. For further information refer to the documentation for your operating system. Shutdown and restart the CICS Transaction Gateway.

CCL9303E **Memory allocation failed with DosAllocMem return code:** *error*

Explanation: The Client was unable to allocate the amount of memory required to hold the returned data. The *error* value indicates the system return code.

System action: The message is written to the error log and the function fails.

User response: Try reducing the amount of data requested and try again. If the problem persists, contact your service organization.

CCL9304E **Invalid call type (** *call_type* **)**

Explanation: An invalid value (as indicated by *call_type*) was specified for the ECI call type.

System action: The message is written to the error log and the function fails.

User response: Correct the program so that a supported value is specified for the ECI call type.

CCL9305E **The commarea size specified exceeds the length of data supplied**

Explanation: The value specified for the length of the commarea is larger than the amount of data supplied.

System action: The message is written to the error log and the call fails.

User response: Correct the program so that the specified length of the commarea is equal to, or exceeds, the amount of data being passed to the ECI.

CCL9306E **The value specified for Extended Mode (** *value* **) is invalid**

Explanation: An invalid value (as indicated by *value*) has been specified for the ECI extended mode parameter.

System action: The message is written to the error log and the call fails.

User response: Correct the program so that a supported value is specified for the extended mode parameter.

CCL9307E **The ECI version specified (** *version* **) is not valid**

Explanation: An invalid value (as indicated by *version*) has been specified for the ECI version parameter.

System action: The message is written to the error log and the function fails.

User response: Correct the program so that a supported value is specified for the ECI version parameter.

CCL9337E **Error during ECI call and commarea not returned**

Explanation: The call to the ECI has completed but an error was detected. No data is returned to the calling application in the commarea.

System action: The message is written to the trace file if tracing is enabled.

User response: Information on the type of error can be determined from earlier entries in the trace log.

CCL9343I **CICS_EciListSystems call completed successfully**

Explanation: Information Message

CCL9344E **Error during CICS_EciListSystems call, return code** *rc*

Explanation: An error was encountered during a CICS_EciListSystems call. The value of *rc* indicates the failing error code.

System action: The message is written to the trace file if tracing is enabled.

User response: Refer to the CICS Transaction Gateway Information Center for an explanation of the error codes.

CTG9402E **Attempt to change JNI trace filename while trace running**

Explanation: The user attempted to change the JNI trace filename whilst trace was running.

System action: This message is output. Tracing continues to the previous filename.

User response: Deactivate JNI trace before changing the filename.

CTG9500E **Maximum number of Java arguments exceeded**

Explanation: The maximum number of parameters that can be passed to the CICS TG has been exceeded.

System action: The CICS TG service terminates.

User response: Reduce the number of arguments and try again.

CTG9501E **Cannot load JNI dll: jvm.dll**

Explanation: The service cannot find the Java native runtime dll and is unable to start the CICS TG.

System action: The CICS TG service terminates.

User response: Inspect the Windows application event log for other messages. Make sure the Java Virtual Machine (JVM) for use with the product is correctly defined, run 'ctgjava'.

CTG9502E **Service could not allocate memory**

Explanation: Upon starting the CICS TG service enough resources could not be allocated.

System action: The CICS TG service terminates.

User response: Free up some memory and try again

CTG9503E **Service could not create Java Virtual Machine JNI return code** *error label*

Explanation: An error occurred whilst trying to start the Java Virtual Machine for the Gateway service to run under. The options used when trying to create the JVM will be output when this condition occurs.

System action: The CICS TG service terminates.

User response: Check the options supplied and try again with different parameters

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CTG9504I **JVM Option:**

Explanation: Information Message

CTG9505E **Cannot find class** *name*

Explanation: When attempting to start the CICS TG service the required Java class could not be found. This class can be found in the supplied 'ctgserver.jar'.

System action: The CICS TG service terminates.

User response: Update your class path and try again.

CTG9506E **No main() method found in class com.ibm.ctg.server.JGate**

Explanation: When attempting to start the CICS TG service the main() method cannot be found within the JGate class.

System action: The CICS TG service terminates.

User response: Reinstall the CICS Transaction Gateway.

CTG9507E **Out of memory**

Explanation: Whilst running the CICS TG service no free memory was available for new resources.

System action: The CICS TG service terminates.

User response: If this occurs under expected load then more memory may be needed to satisfy the performance needs for the specific CICS TG installation.

CTG9508E **StartServiceControlDispatcher failed**

Explanation: An attempt to start the Windows service control dispatcher failed.

System action: The CICS TG service terminates.

User response: Restart the machine and try to start the service again.

CTG9509I **Issue ctgservice -? to list command options**

Explanation: Information Message

CTG9511E **Unrecognized option:** *option*

Explanation: The option specified is not supported by the ctgservice command line executable.

System action: The usage statement is displayed

User response: Adjust the parameters you pass to ctgservice.exe

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| CTG9512I | CTGSERVICE - CICS Transaction Gateway Windows Service Utility |

Explanation: Information Message

| CTG9513I | (C) Copyright IBM Corporation *Copyright dates* . All rights reserved. |

Explanation: Information Message

| CTG9514I | [-A<Param1> [-A<Param2> ...]] |

Explanation: Information Message

| CTG9515I | Command options are: |

Explanation: Information Message

| CTG9516I | -R Register Gateway daemon parameter overrides |

Explanation: Information Message

| CTG9517I | -T Display Gateway daemon parameter overrides |

Explanation: Information Message

| CTG9518I | Gateway daemon parameter overrides are: |

Explanation: Information Message

| CTG9519I | **-A***override* |

Explanation: Information Message

| CTG9520I | The following parameter overrides are valid: |

Explanation: Information Message

| CTG9521I | Gateway daemon parameter overrides are: '*overrides* ' |

Explanation: Information Message

| CTG9526I | Running *INSERT-0* |

Explanation: Information Message

| CTG9527I | Stopping *INSERT-0* |

Explanation: Information Message

| CTG9533E | OpenService failed: *error message text* |

Explanation: During an uninstall of the CICS TG service the service could not be opened.

System action: The command line application terminates.

User response: Check to see if the service is installed and try again.

| CTG9535E | *program* **Failed to create AppParameters sub-key** |

Explanation: Whilst attempting to create the specified subkey to be used by the CICS TG in the registry an error occurred.

System action: The command line application terminates.

User response: Restart the machine and try again.

| CTG9536E | *program* **Failed to create AppParameters string** |

Explanation: Whilst attempting to create the specified string to be used by the CICS TG in the registry an error occurred.

System action: The command line application terminates.

User response: Restart the machine and try again.

| CTG9537E | *program* **Failed to save value of AppParameters** |

Explanation: Whilst attempting to store the parameters to be used by the CICS TG in the registry an error occurred.

System action: The command line application terminates.

User response: Restart the machine and try again.

| CTG9539E | OpenSCManager failed: *error message text* |

Explanation: During an install of the CICS TG service the Service Control Manager could not be opened.

System action: The command line application terminates.

User response: Restart the machine and try again.

| CTG9540I | Service *INSERT-0* updated |

Explanation: Information Message

CTG9541E   Starting service *service name* **from the command line is not supported**

Explanation: The named service cannot be started from the command line.

System action: The command line application terminates.

User response: Use the Windows Service Control Manager to start the named service.

CTG9542E   Internal error, Function = *Function*, **Error Code =** *Error*

Explanation: An internal function has returned an error.

System action: The service failed to complete the requested task.

User response: If the problem persists, contact your service organization.

CTG9544E   Function *Function* **failed, Error Code =** *Error*

Explanation: An internal function has returned an error.

System action: The service failed to complete the requested task.

User response: If the problem persists, contact your service organization.

CCL9547E   Client daemon startup parameter '_overrides_ **' is not valid**

Explanation: An invalid Client daemon startup option was defined for the IBM CICS Transaction Gateway service.

System action: The service fails to start. This message is written to the Windows Application Event log.

User response: Change or remove the invalid parameter value and retry.

CCL9548E   Client daemon failed to start, refer to the Client error log

Explanation: The IBM CICS Transaction Gateway service was unable to start the Client daemon.

System action: The service fails to start. This message is written to the Windows application event log.

User response: Examine the Client daemon error log to determine the cause of the error. The error log is in the location specified in the configuration file, or in the <product_data_path> if there was an error in the configuration.

CTG9549E   Gateway daemon failed to start, refer to the Gateway error log

Explanation: The IBM CICS Transaction Gateway service was unable to start the Gateway daemon.

System action: The service fails to start. This message is written to the Windows application event log.

User response: Examine the Gateway daemon error log to determine the cause of the error. The error log is in the location specified in the configuration file, or in the <product_data_path> if there was an error in the configuration.

CTG9550I   Service *INSERT-0* **has started**

Explanation: Information Message

CTG9551I   Service *INSERT-0* **has stopped**

Explanation: Information Message

CTG9552E   Service *service name* **failed to start: Parameter list** *values*

Explanation: A problem occurred when the named service was being started. The *values* are the parameters that were defined for the service.

System action: The service failed to start. This message is written to the Windows application event log.

User response: Inspect the Windows application event log for other messages that help to explain the problem. Address the cause of failure and retry the command.

CTG9553E   Windows function *function* **failed, error code** *error*, **Windows message** *details*

Explanation: The service process received an unexpected return code from the Windows function.

System action: This message is written to the Windows application event log. The service will terminate.

User response: Inspect the Windows application event log, the message *details* might indicate the cause of failure, where possible take corrective action. If the problem persists, contact your service organization.

CTG9554W   Service *service name* **received invalid parameter** *value*

Explanation: An invalid value was defined for use with the named service.

System action: The named service fails to start. This message is written to the Windows application event log.

User response: Change or remove the invalid parameter value and retry.

CTG9555E   **Invalid parameters were defined; service** *service name* **was not started**

Explanation: One or more invalid parameter values were defined for use with the named service.

System action: The named service fails to start. This message is written to the Windows application event log.

User response: Inspect the Windows application event log for messages detailing invalid parameters, and change or remove the invalid parameter values.

CTG9556E   **Service** *service name* **could not establish communications with the Client daemon**

Explanation: A problem occurred when starting the Client daemon.

System action: The named service ends. This message is written to the Windows application event log.

User response: Check the parameter values that were passed to the Client daemon are valid. To do this issue the cicscli command with the parameters that were used. Change any parameters if necessary and restart the service. If parameters are valid inspect the Client error log for other messages.

CTG9557E   **Function** *function* **gave an unexpected return value** *data*

Explanation: The service process received an unexpected return value from the function.

System action: This message is written to the Windows application event log. The service will terminate.

User response: Inspect the Windows application event log, other messages might indicate the cause of failure, where possible take corrective action. If the problem persists, contact your service organization.

CTG9558I   **JVM parameter overrides are:** *INSERT-0*

Explanation: Information Message

CTG9559W   **The Client daemon is already running**

Explanation: The CICS Transaction Gateway service has detected that the Client daemon is already running.

System action: The CICS Transaction Gateway service continues to start, and writes this message to the Windows application event log.

User response: Look in the Windows application event log and in the product logs to find out why the Client daemon was left running. If the problem

persists, contact your service organization.

CTG9560E   **The Client daemon terminated unexpectedly**

Explanation: The Client daemon terminated unexpectedly while the CICS Transaction Gateway service was running.

System action: The CICS Transaction Gateway service shuts down immediately, and writes this message to the Windows application event log.

User response: Look in the Client daemon error log to find out why the Client daemon terminated. The location of the error log is defined in the configuration file. If the problem persists, contact your service organization.

CTG9561E   **Exception occurred in the Gateway daemon: [***error* **]**

Explanation: Where *error* specifies the cause of the error.

System action: System action is not required.

User response: Check error code.

CTG9600I   **ResultSet not supported**

Explanation: Information Message

CTG9601E   **This connection is already closed**

Explanation: The connection has already been closed and so cannot be closed again.

System action: System action is not required.

User response: Update your application so connections are only closed once

CTG9602I   **RecordFactory not supported**

Explanation: Information Message

CTG9603E   **Connection manager has returned an invalid connection**

Explanation: The connection returned by the connection manager is not of the correct type for use with the CICS resource adapters. This is an internal error.

System action: System action is not required.

User response: Contact your service organization

CTG9604I   **This form of execute is not supported**

Explanation: Information Message

CTG9605E   **ManagedConnection cannot be used because it is in an unrecoverable state**

Explanation: Due to an unrecoverable error the ManagedConnection object that your application is using has become damaged and cannot be used for any further interactions with CICS.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9607E   **Transaction failed to commit, and was rolled back instead**

Explanation: The transaction failed to commit on CICS and so a rollback was carried out to back out any work done within the transaction.

System action: The system tried to commit the transaction but cannot do so. The transaction has therefore been rolled back.

User response: If the problem persists, contact your service organization.

CTG9608E   **XA transaction in progress on ECIManagedConnection, cannot process local transaction request**

Explanation: An ECIManagedConnection can process only one transaction at a time. An XA transaction has already been started on the ECIManagedConnection, so a local transaction may not start until the XA transaction is finished.

System action: None.

User response: Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9609E   **Local transaction in progress on ECIManagedConnection, cannot process XA transaction request**

Explanation: An ECIManagedConnection can process only one transaction at a time. A local transaction has already been started on the ECIManagedConnection, so an XA transaction may not start until the local transaction is finished.

System action: None.

User response: Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9610E   **Local transaction already started on ECIManagedConnection**

Explanation: An ECIManagedConnection can process only one transaction at a time. A local transaction has already been started on the ECIManagedConnection, so you may not start another.

System action: None.

User response: Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9611E   **Local transaction not started on ECIManagedConnection**

Explanation: A local transaction has not been started on the ECIManagedConnection so any calls to commit() or rollback() will fail.

System action: System action is not required.

User response: Review the Java client application that tried to complete the transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9612E   **XA transaction already started on ECIManagedConnection**

Explanation: An ECIManagedConnection can process only one transaction at a time. An XA transaction has already been started on the ECIManagedConnection, so you may not start another.

System action: None.

User response: Review the Java Client application that tried to start a second transaction. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9613E   **An XAException occurred processing XA request**

Explanation: An XAException occurred processing XA request.

System action: System action is not required.

User response: Check the error log for details for why the exception occurred.

CTG9614E   **Incorrect input flag received on XA request**

Explanation: An input flag that has been received on an XA_START or XA_END Request is not valid. The request has failed. The is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9615E   Transaction not active on ECIManagedConnection

Explanation: The LUW token specified on the end transaction command does not match the LUW token of the active transaction.

System action: The transaction remains active.

User response: If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

CTG9616E   Transaction failed to commit or roll back

Explanation: A request was made, but failed, possibly due to a communications error.

System action: None.

User response: If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

CTG9617E   ECI connection closed

Explanation: Access to this ECIConnection is no longer allowed as it has been closed.

System action: None.

User response: Review your Java client application. A new ECIConnection must be acquired for any further interaction to occur with CICS. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9618E   Cannot associate connection with ECIManagedConnection as supplied Connection is null

Explanation: When trying to associate a connection with an ECIManagedConnection the connection type must be ECIConnection. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9619E   Cannot associate connection with ECIManagedConnection as not of type ECIConnection

Explanation: When trying to associate a connection with an ECIManagedConnection the connection type must be ECIConnection. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9620E   Connection returned by connection manager not of type javax.resource.cci.Connection

Explanation: The connection manager has not returned a Connection object from the allocateConnection() method. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9621E   ConnectionSpec supplied is not of type ECIConnectionSpec

Explanation: The ECI resource adapter only supports ConnectionSpec objects of the type ECIConnectionSpec.

System action: None.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9622E   ConnectionRequestInfo object is not of type ECIConnectionRequestInfo

Explanation: The ConnectionRequestInfo object being supplied to the ECI resource adapter is not of the correct type. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9623E   Connection manager supplied is null

Explanation: The connection manager supplied to the ECIConnectionFactory is null.

System action: None.

User response: In a managed environment this is a internal error, if the problem persists contact your service organization. In a non-managed environment review your Java client application to supply a non null connection manager to the ECIConnectionFactory constructor.

CTG9624E   ECIInteraction closed

Explanation: You cannot do any further work with this ECIInteraction object as it has been closed.

System action: None.

User response: Review your Java client application. A new ECIConnection must be acquired for any further interaction to occur with CICS. Refer to the

Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9625E   ECIConnection used during interaction is null

Explanation: The ECIConnection object associated with the current ECIInteraction object is null so the interaction cannot continue. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9626E   Connection associated with ECIInteraction not of type ECIConnection

Explanation: The ECIConnection that is being used by your ECIInteraction is not of the correct type. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9627E   IOException occurred when writing to the Output Record

Explanation: An I/O exception was thrown by the record when the resource adapter attempted to populate it with the relevant information. The record exception is linked to this one.

System action: An exception is thrown.

User response: Review the linked exception for an indication of any corrective action needed.

CTG9628E   InteractionSpec passed to execute() not of type ECIInteractionSpec

Explanation: Only InteractionSpec objects of the type ECIInteractionSpec can passed to the ECIInteraction.execute() method.

System action: None.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9629E   InteractionSpec passed to execute() is null

Explanation: When calling ECIInteraction.execute() a non null ECIInteractionSpec must be supplied at all times.

System action: None.

User response: Review your Java client application.

Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9630E   IOException occurred in communication with CICS

Explanation: An IOException occurred during an interaction with a CICS server. The CICS exception is linked to this one.

System action: An exception is thrown.

User response: Review the linked exception for an indication of any corrective action needed.

CTG9631E   Error occurred during an interaction with CICS

Explanation: An error occurred during an interaction with a CICS server. The error code is shown at the end of the message.

System action: None.

User response: The supplied error code can be referenced in the Java API documentation in the CICS Transaction Gateway Information Center. The documentation for the ECIResourceAdapterRc class lists the return codes for all errors that can cause an interaction to fail.

CTG9632E   SYNC_SEND/SYNC_SEND_RECEIVE not supported when reply to previous SYNC_SEND is pending

Explanation: A reply to a SYNC_SEND interaction is pending. No further SYNC_SEND or SYNC_SEND_RECEIVE interactions are allowed until a SYNC_RECEIVE is executed.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9633E   SYNC_RECEIVE attempted without corresponding SYNC_SEND

Explanation: A SYNC_SEND interaction must be executed before a reply from CICS can be received using SYNC_RECEIVE.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9634E **Input record does not implement the Streamable interface**

Explanation: Input record objects supplied to the ECIInteraction.execute() method must support the javax.resource.cci.Streamable interface.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9635E **Input record is null**

Explanation: When specifying an InteractionVerb of SYNC_SEND or SYNC_SEND_RECEIVE a non null input Record object must be supplied as input to CICS.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9636E **Output record does not implement the Streamable interface**

Explanation: Output record objects supplied to the ECIInteraction.execute() method must support the javax.resource.cci.Streamable interface.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9637E **Output record is null**

Explanation: When specifying an InteractionVerb of SYNC_RECEIVE or SYNC_SEND_RECEIVE a non null output Record object must be supplied to hold the reply from CICS.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9638E **Transaction Abend occurred in CICS: Abend Code=**

Explanation: During the Interaction with CICS a Transaction Abend occurred on the server. The supplied code is that which is returned by CICS.

System action: None.

User response: Check the abend code in the CICS documentation for an indication of any corrective action needed.

CTG9639E **Unable to perform action, connection is closed**

Explanation: The EPIConnection has been closed and can no longer be used.

System action: None.

User response: Review your Java client application. A new ECIConnection must be acquired for any further interaction to occur with CICS. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9640E **No connection was returned by connection manager**

Explanation: The connection manager did not return an EPIConnection for use by the application. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9641E **Invalid connection was returned by connection manager**

Explanation: An unusable Connection object was returned by the connection manager. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9642E **Invalid ConnectionSpec was supplied, must be an EPIConnectionSpec instance**

Explanation: Only ConnectionSpecs of the type EPIConnectionSpec are accepted in the getConnection() method of EPIConnectionFactory.

System action: None.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9643E   Unable to perform action, interaction is closed

Explanation: The EPIInteraction is closed so no further work can be carried out on it.

System action: None.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details..

CTG9644E   No EPIInteractionSpec supplied

Explanation: An EPIInteractionSpec must be supplied when EPIConnection.execute() is called.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9645E   Invalid InteractionSpec was supplied, must be an EPIInteractionSpec instance

Explanation: An EPIInteractionSpec must be supplied when EPIConnection.execute() is called.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9646E   Invalid connection passed to associate connection method by application server

Explanation: When attempting to associate a Connection object with an EPIManagedConnection the incorrect type was used. The EPI resource adapter supports only EPIConnection objects being passed to the associateConnection() method. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9647E   A null connection was passed to associate connection method by application server

Explanation: When attempting to associate a Connection object with an EPIManagedConnection the incorrect type was used. The EPI resource adapter only supports EPIConnection objects being passed to the associateConnection() method.

System action: None.

User response: If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

CTG9648E   The EPI resource adapter does not support local transactions

Explanation: The EPI resource adapter does not support any transactional interfaces. Any attempt to use them will throw an exception.

System action: An exception is thrown.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9649E   The EPI resource adapter does not support the XAResource interface

Explanation: The EPI resource adapter does not support any transactional interfaces. Any attempt to use them will throw an exception.

System action: An exception is thrown.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9650E   Streamable input record information does not contain the correct amount of data

Explanation: The amount of data stored in the input Record object does not correspond to the amount required for the currently defined screen size.

System action: None.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9651E   Input record is of unknown type and cannot be used

Explanation: Input record objects supplied to EPIInteraction.execute() must implement the javax.resource.cci.Streamable interface in order to be used by the EPI resource adapter.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the

Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9652E   Output record is of unknown type and cannot be used

Explanation: Output record objects supplied to EPIInteraction.execute() must implement the javax.resource.cci.Streamable interface in order to be used by the EPI resource adapter.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9653E   No output record was given and one was expected

Explanation: When executing a SYNC_RECEIVE or SYNC_SEND_RECEIVE an output record must be supplied to hold the reply from CICS.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9654E   No input record was given and one was expected

Explanation: When executing a SYNC_SEND or SYNC_SEND_RECEIVE an input record must be supplied to hold the data to be sent to CICS.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9655E   LogonLogoff class threw an exception which is linked to this one

Explanation: An exception was thrown while the LogonLogoff class specified was being accessed. The original exception can be accessed using the getCause method.

System action: None.

User response: Review the linked exception for an indication of any corrective action needed.

CTG9656E   LogonLogoff class could not be found

Explanation: The LogonLogoff class specified could not be found in the current CLASSPATH.

System action: None.

User response: Check that the LogonLogoff class specified is on the system CLASSPATH.

CTG9657E   LogonLogoff class found but could not be instantiated

Explanation: An error occurred while trying to instantiate the LogonLogoff class specified.

System action: None.

User response: Check that the name of the LogonLogoff class is specified correctly in the Java Client application. If the problem persists, contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

CTG9658E   No authority to create LogonLogoff Class

Explanation: The Java Client application does not have the required authorization to create the specified LogonLogoff class.

System action: None.

User response: Refer to the "Writing LogonLogoff classes" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details on how to grant Java security permissions.

CTG9659E   Unable to build security information to pass to LogonLogoff class

Explanation: The resource adapter was unable to create a Subject object required to be passed to the registered LogonLogoff class. This could be because the required Java Security permissions are not available.

System action: None.

User response: Refer to the "Writing LogonLogoff classes" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details on how to grant Java security permissions.

CTG9660E   Adapter unable to function as no Connection Manager passed to resource adapter

Explanation: A Request to create a connection factory has failed because a null connection manager was passed to the createConnectionFactory method.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9661E   The EPI resource adapter does not support transactional interfaces

Explanation: The EPI resource adapter does not support any transactional interfaces. Any attempt to use them will throw an exception.

System action: An exception is thrown.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9662E   The EPI resource adapter only supports one interaction per connection

Explanation: The EPI resource adapter only supports a single EPIInteraction instance per EPIConnection instance.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9663E   A connection which is not the active connection attempted to run on the resource adapter

Explanation: The EPIConnection that your component is trying to use is not the current Connection being processed by the EPI resource adapter. The current working Connection must be closed before work can continue.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9664E   Transaction ended, but unable to determine server state

Explanation: The CICS transaction has ended, but it is not possible to determine if resources were committed or rolled back.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9665E   ExecuteTimeout property cannot be negative

Explanation: The ExecuteTimeout property on the ECIInteractionSpec must be a positive value.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9666E   Value of InteractionVerb is not one of: SYNC_SEND, SYNC_RECEIVE, SYNC_SEND_RECEIVE

Explanation: A valid value for InteractionVerb was not passed within the ECIInteractionSpec.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9667E   FunctionName is empty, cannot send request

Explanation: In order to carry out an Interaction with CICS a FunctionName must be provided in the ECIInteractionSpec. This FunctionName maps to the program that is to be executed on the CICS server.

System action: None.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9668E   XA transaction in progress but no XID is available

Explanation: An ECI request is being executed as part of an XA transaction but no Xid is available on the associated XAResource object. The transaction is not in a valid state. This is an internal error.

System action: None.

User response: If the problem persists, contact your service organization.

CTG9669E   XA transaction not started on ECIManagedConnection

Explanation: An attempt was made to complete an XA transaction which had not been started.

System action: None.

User response: In a managed environment this is a internal error, if the problem persists contact your service organization. In a non-managed environment review your Java client application and refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9670E   Incorrect XID received

Explanation: The Xid received on an XA_END flow is not the same as that received on the XA_START flow. The XA_END flow has failed.

System action: None.

User response: Check the application server logs for further details. If the problem persists contact your service organization with trace data for the transaction manager and the CICS Transaction Gateway resource adapter.

CTG9671E   Screenable input record does not match the current screen definition

Explanation: The input record provided does not match the EPI resource adapter's representation of the screen.

System action: None.

User response: Review the Java Client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9672E   Transaction cannot begin - connection is closed

Explanation: A LocalTransaction cannot be started because it was obtained from a Connection which is now closed.

System action: None.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9673E   SYNC_RECEIVE requires COMMAREA length, reply length or both to be defined

Explanation: A SYNC_RECEIVE interaction requires the COMMAREA length or reply length to be specified in the InteractionSpec, and neither have been specified.

System action: None.

User response: Review your Java client application to resolve the problem. Refer to the "Programming using the JEE Connector Architecture" section of the Programming Guide within the CICS Transaction

Gateway Information Center for further details.

CTG9674E   No SSL key ring was provided for SSL protocol

Explanation: The SSL protocol was specified for the connectionURL, but no key ring has been specified.

System action: None.

User response: Review your configuration to resolve the problem. Refer to the CICS Transaction Gateway Information Center for more details.

CTG9675E   EPI resource adapter failed trying to populate Screenable record

Explanation: An exception was thrown by the screenable record when the EPI resource adapter tried to populate it with the relevant information. The record exception is linked to this one.

System action: An exception is thrown.

User response: Review the linked exception for an indication of any corrective action needed.

CTG9676E   IOException occurred when reading the Input Record

Explanation: An I/O exception was thrown by the record when the resource adapter attempted to read the information. The record exception is linked to this one.

System action: An exception is thrown.

User response: Review the linked exception for an indication of any corrective action needed.

CTG9677E   Local transactions cannot be used

Explanation: An application has attempted to obtain a local transaction from a connection which cannot be provided. This will result from using the ECI resource adapter configured for local mode connections on WebSphere for z/OS.

System action: A NotSupportedException is thrown.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9678E   EPI resource adapter failed trying to read streamed EPI data

Explanation: During a read of the terminal, an exception has occurred.

System action: The terminal read ends abnormally.

User response: Retrieve the linked exception from the CICSUserInputException and diagnose the error from the original message.

CTG9679E   EPI resource adapter failed trying to write streamed EPI data

Explanation: During a write to the terminal an exception has occurred. The original exception has been linked.

System action: The terminal write ends abnormally.

User response: Retrieve the linked exception from the CICSUserInputException and diagnose the error from the original message.

CTG9680E   Connected to a CICS TG that does not support XA transactions

Explanation: The application has attempted to execute an XA transaction using a CICS TG that does not support XA transactions.

System action: None.

User response: Either re-configure the application to connect to a CICS TG that supports XA transactions, or do not use XA transactions within this application.

CTG9681E   Connected to a CICS TG that is not enabled to support XA transactions

Explanation: The application has attempted to execute an XA transaction using a CICS TG that does not have XA transaction support enabled.

System action: None.

User response: Enable support for XA transactions within the CICS TG, or re-configure to connect to a CICS TG that has XA transaction support enabled, or do not use XA transactions with this application.

CTG9683E   Mapped Output Record is not an ECIChannelRecord

Explanation: The Output MappedRecord object that has been passed to the Resource Adapter is not of the correct type. It cannot be treated as a Channel object because it is not of type ECIChannelRecord.

System action: The request is rejected.

User response: Review your Java client application. Refer to the Programming Guide within the CICS Transaction Gateway Information Center for further details.

CTG9684E   XA error '*XA return code* ' occurred processing XA request type '*request type* '

Explanation: CICS TG returned error code *XA return code* for an XA request type *request type* .

System action: This message is logged. The application server might roll back a transaction if an error occurs.

User response: Check the CICS TG and application server logs for further information about the cause of the error. Check that all units of recovery associated with the Gateway resource manager in RRS and the application server are in a completed state. Refer to the CICS Transaction Gateway Information Center for details about the resource manager name used by the Gateway daemon.

CTG9685E   Heuristic XA error '*XA return code* ' occurred processing XA request type '*request type* '

Explanation: The CICS TG returned heuristic error code *XA return code* for an XA request type *request type* .

System action: This message is logged. The application server makes the appropriate response depending on the request type and error code.

User response: Check the CICS TG and application server logs for further information about the cause of the error. Check that all units of recovery associated with the Gateway resource manager in RRS and the application server are in a completed state. Refer to the CICS Transaction Gateway Information Center for details about the resource manager name used by the Gateway daemon.

CTG9700E   Binding operation *operation* is not in the specified WSDL

Explanation: The specified WSDL does not contain binding operation *operation* .

System action: The WSIFOperation object has not been created.

User response: Ensure that the operation name specified on the createOperation call matches the name of a binding operation contained in the WSDL.

CTG9701E   ECI Binding operation *operation* is not in the specified WSDL

Explanation: Binding operation *operation* does not contain an extensibility element for this resource adapter.

System action: The WSIFOperation object has not been created.

User response: Ensure that binding operation *operation* contains an extensibility element for this resource adapter.

CTG9702E   There is a duplicate extensibility element *name* in *operation*

Explanation: Binding operation *operation* contains multiple extensibility elements with name *name* .

System action: The WSIFOperation object has not been created.

User response: Ensure that all extensibility elements in binding operation *operation* have unique names.

CTG9703E   No matching part was found for InteractionSpec property *name*

Explanation: The InteractionSpec does not contain a part for property *name* .

System action: The Interation fails to execute.

User response: Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9704E   An exception occurred while updating InteractionSpec property *name* **with message** *message*

Explanation: A call to update InteractionSpec property *name* threw an exception with message *message* .

System action: The Interation fails to execute.

User response: Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9705E   No matching part was found for ConnectionSpec property *name*

Explanation: The ConnectionSpec does not contain a part for property *name* .

System action: The ConnectionSpec has not been created.

User response: Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9706E   An exception occurred while updating ConnectionSpec property *name* **with message** *message*

Explanation: A call to update ConnectionSpec property *name* threw an exception with message *message* .

System action: The ConnectionSpec has not been created.

User response: Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9710E   Binding operation *operation* **is not in the specified WSDL**

Explanation: The specified WSDL does not contain binding operation *operation* .

System action: The WSIFOperation object has not been created.

User response: Ensure that the operation name specified on the createOperation call matches the name of a binding operation contained in the WSDL.

CTG9711E   EPI Binding operation *operation* **is not in the specified WSDL**

Explanation: Binding operation *operation* does not contain an extensibility element for this resource adapter.

System action: The WSIFOperation object has not been created.

User response: Ensure that binding operation *operation* contains an extensibility element for this resource adapter.

CTG9712E   There is a duplicate extensibility element *name* **in** *operation*

Explanation: Binding operation *operation* contains multiple extensibility elements with name *name* .

System action: The WSIFOperation object has not been created.

User response: Ensure that all extensibility elements in binding operation *operation* have unique names.

CTG9713E   No matching part was found for InteractionSpec property *name*

Explanation: The InteractionSpec does not contain a part for property *name* .

System action: The Interation fails to execute.

User response: Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9714E   An exception occurred while updating InteractionSpec property *name* **with message** *message*

Explanation: A call to update InteractionSpec property *name* threw an exception with message *message* .

System action: The Interation fails to execute.

User response: Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9715E   No matching part was found for ConnectionSpec property *name*

Explanation: The ConnectionSpec does not contain a part for property *name* .

System action: The ConnectionSpec has not been created.

User response: Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9716E An exception occurred while updating ConnectionSpec property *name* **with message** *message*

Explanation: A call to update ConnectionSpec property *name* threw an exception with message *message* .

System action: The ConnectionSpec has not been created.

User response: Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9717E An exception occurred while updating part *part* **from InteractionSpec property** *name* **with message** *message*

Explanation: A call to update part *part* from InteractionSpec property *name* threw an exception with message *message* .

System action: The Interation fails to execute.

User response: Inspect the text of message *message* to identify the cause of the exception. Ensure that the resource adapter has been deployed correctly. If the problem persists, contact your service organization.

CTG9800E No message for id *ID* **could be located**

Explanation: The message id indicated could not be located within the message file.

System action: No action taken.

User response: Contact your service organization with the message id.

CTG9801E A request to get or set an attribute was unknown to MBean *name*

Explanation: A Management Bean received a request to get or set an attribute but this attribute is unknown to it.

System action: No action taken.

User response: Ensure the management bean being invoked supports this attribute.

CTG9802E An invalid value was given for an attribute for MBean *name*

Explanation: A request to set an attribute on a management bean failed because the value provided was not valid.

System action: The attribute doesn't change.

User response: Ensure the value provided is valid for the attribute.

CTG9803E An unexpected exception was received from MBean *name*

Explanation: A management bean throw an exception which was not expected by the system.

System action: No action taken.

User response: The linked exception may provide more information on the problem.

CTG9804E An unknown exception occurred whilst trying to set the trace file to *filename*

Explanation: An exception occurred whilst trying to set the Gateway trace file to the specified file. This might be because the specified file is a directory, is not writeable or cannot be opened for another reason.

System action: The Gateway trace file is not changed.

User response: Check that the file specified is a valid file and is in a writeable location.

CTG9805E An unknown exception occurred whilst trying to set the JNI trace file to *filename*

Explanation: An exception occurred whilst trying to set the JNI trace file to the specified file. This might be because the specified file is a directory, is not writeable or cannot be opened for another reason.

System action: The JNI trace file is not changed.

User response: Check that the file specified is a valid file and is in a writeable location.

CTG9806E An error occurred when setting *value*

Explanation: When trying to make multiple changes to the Gateway daemon *value* failed.

System action: The Gateway daemon settings are not changed.

User response: Check that the parameters used in the change are correct.

CTG9807E   An error occurred setting attribute *requested value* **and rolling back attribute** *associated value*

Explanation: When trying to make multiple changes to the Gateway daemon the attempt to set attribute *requested value* failed. When trying to undo the changes already made, the roll back of attribute *associated value* failed.

System action: The Gateway daemon settings are left in an undefined state.

User response: Check that the parameters used in the change are correct.

CTG9808E   The value of *setting* **is not valid for** *value*

Explanation: When trying to change a Gateway trace setting, the value provided was not valid.

System action: The Gateway daemon setting is not changed.

User response: Check that the value used for the setting is correct.

CTG9809E   The value of *setting* **is not valid for** *value*

Explanation: When trying to change a Gateway JNI trace setting, the value provided was not valid.

System action: The Gateway daemon setting is not changed.

User response: Check that the value used for the setting is correct.

CTG9810E   The trace file *filename* **specified a directory**

Explanation: When trying to set the Gateway trace file, the value specified a directory.

System action: The trace file is not changed.

User response: Specify a trace file that is not a directory.

CTG9811E   The trace file *filename* **specified an invalid path**

Explanation: When trying to set the Gateway trace file, the value specified an invalid path.

System action: The trace file is not changed.

User response: Specify a trace file using a valid path for the platform.

CTG9812E   The trace file *filename* **specified an unwritable file**

Explanation: When trying to set the Gateway trace file, the value specified a file on which the Gateway daemon does not have write permissions, or a directory in which the Gateway daemon cannot create or write a file.

System action: The trace file is not changed.

User response: Specify a trace file which is writeable, or in a location which is writeable, by the Gateway daemon.

CTG9814E   The JNI trace file *filename* **specified an invalid path**

Explanation: When trying to set the JNI trace file, the value specified an invalid path.

System action: The JNI trace file is not changed.

User response: Specify a JNI trace file using a valid path for the platform.

CTG9815E   The JNI trace file *filename* **specified an unwritable file**

Explanation: When trying to set the JNI trace file, the value specified a file on The CICS Transaction Gateway does not have write permissions to the specified JNI trace file, or the CICS TG does not have permission to create, or write, a file in the specified directory.

System action: The JNI trace file is not changed.

User response: Specify a trace file which can be written to by the CICS Transaction Gateway.

CTG9816E   Attempt to change JNI trace filename while trace running

Explanation: The user attempted to change the JNI trace filename whilst trace was running.

System action: This message is output. Tracing continues to the previous filename.

User response: Deactivate JNI trace before changing the filename.

CTG9900E   DSS policy *name* **not defined**

Explanation: The DSS policy specified as the active DSS policy has not been defined.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9901E   DSS group *group name* **not defined for DSS policy** *policy name*

Explanation: The DSS policy contains a mapping to the specified DSS group; this DSS group has not been defined.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9902I   Policy based DSS is active

Explanation: Information Message

CTG9903I   Current DSS policy is *policy name* *mappings*

Explanation: Information Message

CTG9904E   More than one DSS mechanism configured for Gateway daemon

Explanation: The configuration contains multiple DSS mechanisms; only one at a time is supported.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9905E   No mappings defined for DSS policy *name*

Explanation: The MAPPINGS subsection of the DSS policy is empty.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9906E   Mandatory property *property* **missing from section** *section name*

Explanation: The mandatory property is missing.

System action: CICS Transaction Gateway fails to start.

User response: Refer to the CICS Transaction Gateway information center, correct the configuration and restart CICS Transaction Gateway.

CTG9907E   The ENDSUBSECTION declaration is missing from subsection *subsection name* **in section** *section name* **at configuration line** *line number*

Explanation: The SUBSECTION declaration does not

have a corresponding ENDSUBSECTION declaration.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9908E   Subsection *subsection name* **missing from section** *section name*

Explanation: The section does not contain the required subsection.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9909E   Subsection *subsection name* **not expected in section** *section name* **at configuration line** *line number*

Explanation: The section should not contain the specified subsection.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9910E   An ENDSUBSECTION declaration does not have a corresponding SUBSECTION declaration at configuration line *line number*

Explanation: An ENDSUBSECTION declaration was found without a corresponding SUBSECTION declaration.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9911E   Duplicate definition of mapping *name* **detected in DSS policy** *policy name* **at configuration line** *line number*

Explanation: The MAPPINGS subsection contains more than one mapping with the same name.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9912E **Duplicate subsection** *name* **detected at configuration line** *line number*

Explanation: A section contains more than one subsection with the same name.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9913E **Duplicate DSS policy** *name* **detected at configuration line** *line number*

Explanation: The configuration contains more than one DSS policy with the same name.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9914E **DSS group** *name* **contains definitions for IPIC and EXCI connections**

Explanation: If CICS Transaction Gateway is configured for XA transactions, all the CICS servers in a DSS group must use the same communications protocol.

System action: CICS Transaction Gateway fails to start.

User response: Correct the configuration and restart CICS Transaction Gateway.

CTG9915W **Logical CICS server definitions are deprecated**

Explanation: The configuration contains definitions for logical CICS servers. This function has been superseded by policy based dynamic server selection (DSS).

System action: CICS Transaction Gateway startup continues.

User response: Refer to the CICS Transaction Gateway information center for information on how to migrate the configuration to use policy based DSS.

Product library and related literature

The CICS Transaction Gateway product library contains information on administration, messages and programming; this information is available in this information center, and is also available in PDF form. IBM Redbooks® publications provide a further source of information about working with CICS Transaction Gateway.

CICS Transaction Gateway books

The books in the library cover administration, programming and messages.

- *CICS Transaction Gateway: Messages*, SC34-7061-00 describes the error messages that can be generated by the CICS Transaction Gateway.

Sample configuration documents

Several sample configuration documents are available in portable document format (PDF).

These documents give step-by-step guidance for configuring CICS Transaction Gateway for communication with CICS servers, using various protocols. They provide detailed instructions that extend the information in the CICS Transaction Gateway library.

Visit the following Web site:

`www.ibm.com/software/cics/ctg`

and follow the **Library** link.

IBM Redbooks publications

IBM Redbook titles are available on a wide range of subjects relevant to CICS Transaction Gateway programming, installation, operation and troubleshooting.

The following International Technical Support Organization (ITSO) Redbook publication contains many examples of client/server configurations:

- *CICS Transaction Gateway V5 - The WebSphere® Connector for CICS, SG24-6133* describes how to use the different protocols (TCP/IP, TCP62, APPC and EXCI) for communication with CICS, and how to securely connect a Java client application to a CICS region.
- *Revealed! Architecting Web Access to CICS, SG24-5466* is intended for IT architects who select, plan, and design SOA solutions that make use of CICS assets
- *Enterprise JavaBeans for z/OS and z/OS CICS Transaction Server V2.2, SG24-6284* describes the EJB and the way it has been implemented within the CICS architecture, also describes how to set up and configure a CICS region to support EJBs
- *Java Connectors for CICS: Featuring the J2EE Connector Architecture, SG24-6401* provides information on developing J2EE applications.
- *Systems Programmer's Guide to Resource Recovery Services (RRS), SG24-6980-00* describes how to use RRS in various scenarios.

- *Communications Server for z/OS V1R2 TCP/IP Implementation Guide, SG24-6517-00* provides information on using Communications Server for z/OS® V1R2, including load balancing.
- *Redpaper: Transactions in J2EE, REDP-3659-00* discusses transactions in the J2EE environment, including one-phase commit and two-phase commit XA transactions.
- *Exploring Systems Monitoring for CICS Transaction Gateway V7.1 for z/OS, SG24-7562-00* looks at product installation and customization, and also covers systems monitoring for CICS Transaction Gateway using IBM Tivoli® OMEGAMON® XE, and statistics provided by CICS Performance Analyzer.
- *CICS Transaction Gateway for z/OS Version 6.1 SG24-7161-00* introduces the new facilities of the CICS TG for z/OS V6.0 and V6.1, which provide improvements in the areas of transactional integration, systems management, performance, security, and ease of use.

The ITSO Redbooks are available from various sources. For the latest information, see:

www.ibm.com/redbooks/

Other useful information

Other sources of useful information include the CICS Transaction Server information center and associated publications.

The CICS Transaction Server for z/OS V4.1 information center is located at:

http://publib.boulder.ibm.com/infocenter/cicsts/v4r1/index.jsp

CICS Transaction Server publications

The CICS Transaction Server books on security, inter-product communication and problem determination also provide a useful source of information.

CICS Transaction Server for z/OS RACF Security Guide, SC34-7003

CICS inter-product communication

The following books describe the intercommunication facilities of the CICS server products:
- *CICS Family: Interproduct Communication*, SC34–6853
- *CICS Transaction Server for z/OS CICS External Interfaces Guide*, SC34-7019
- *CICS Transaction Server for z/OS: Intercommunication Guide*, SC34-7018
- *CICS TS for VSE: Intercommunication Guide*, SC33-0701
- *CICS Transaction Server for iSeries: Intercommunication*, SC41-5456

The first book above is a CICS family book containing a platform-independent overview of CICS inter-product communication.

CICS problem determination

The following books describe the problem determination facilities of the CICS server products:
- *Transaction Server for Windows Problem Determination*, GC34-6210
- *CICS Transaction Server for z/OS Problem Determination Guide*, SC34-7034

- *CICS TS for VSE 2.3 Problem Determination Guide*, SC33-0716
- *CICS Transaction Server for iSeries: Problem Determination*, SC41-5453
- *TXSeries for Multiplatforms: Problem Determination Guide*, SC34-6636

Accessibility

Accessibility features help users with a physical disability, for example restricted mobility or limited vision, to use information technology products successfully. CICS Transaction Gateway provides accessibility by enabling keyboard-only operation.

For more information about the IBM commitment to accessibility, visit the IBM Accessibility Center.

Glossary

This glossary defines the terms and abbreviations used in CICS Transaction Gateway and in the information centers.

A

abnormal end of task (abend)
    The termination of a task, job, or subsystem because of an error condition that recovery facilities cannot resolve.

Advanced program-to-program communication (APPC)
    An implementation of the SNA/SDLC LU 6.2 protocol that allows interconnected systems to communicate and share the processing of programs. The Client daemon uses APPC to communicate with CICS systems.

APAR See *Authorized program analysis report*.

API See *application programming interface*.

APPC See *Advanced program-to-program communication*.

application programming interface (API)
    A functional interface that allows an application program that is written in a high-level language to use specific data or functions of the operating system or another program.

APPLID
    1. On CICS Transaction Gateway: The application identifier that is used to identify connections on the CICS server and tasks in a CICSplex. See also *APPLID qualifier* and *fully-qualified APPLID*.
    2. On CICS Transaction Server: The name by which a CICS system is known in a network of interconnected CICS systems. CICS Transaction Gateway application identifiers do not need to be defined in SYS1.VTAMLST. The CICS APPLID is specified in the APPLID system initialization parameter.

APPLID qualifier
    Optionally used as a high-level qualifier for the APPLID to form a fully-qualified APPLID. See also *APPLID* and *fully-qualified APPLID*.

ARM See *automatic restart manager*.

Authorized program analysis report (APAR)
    A request for correction of a defect in a current release of an IBM-supplied program.

ATI See *automatic transaction initiation*.

attach In SNA, the request unit that flows on a session to initiate a conversation.

Attach Manager
    The component of APPC that matches attaches received from remote computers to accepts issued by local programs.

autoinstall
    A method of creating and installing resources dynamically as terminals log on, and deleting them at logoff.

automatic restart manager (ARM)
> A z/OS recovery function that can improve the availability of specific batch jobs or started tasks, and therefore result in faster resumption of productive work.

automatic transaction initiation (ATI)
> The initiation of a CICS transaction by an internally generated request, for example, the issue of an EXEC CICS START command or the reaching of a transient data trigger level. CICS resource definition can associate a trigger level and a transaction with a transient data destination. When the number of records written to the destination reaches the trigger level, the specified transaction is automatically initiated.

B

bean A definition or instance of a JavaBeans component. See also *JavaBeans*.

bean-managed transaction
> A transaction where the JEE bean itself is responsible for administering transaction tasks such as committal or rollback. See also *container-managed transaction*.

BIND command
> In SNA, a request to activate a session between two logical units (LUs).

business logic
> The part of a distributed application that is concerned with the application logic rather than the user interface of the application. Compare with *presentation logic*.

C

CA See *certificate authority*.

CCIN The CCIN transaction is invoked by the Client daemon, for each TCP/IP or SNA connection established. CCIN installs a Client connection on the CICS server.

CCSID
> Coded Character Set Identifier. A 16-bit number that includes a specific set of encoding scheme identifiers, character set identifiers, code page identifiers, and other information that uniquely identifies the coded graphic-character representation.

CTIN The CTIN transaction is invoked by the Client daemon to install a Client terminal definition on the CICS server.

callback
> A way for one thread to notify another application thread that an event has happened.

certificate authority (CA)
> In computer security, an organization that issues certificates. The certificate authority authenticates the certificate owner's identity and the services that the owner is authorized to use. It issues new certificates and revokes certificates from users who are no longer authorized to use them.

change-number-of-sessions (CNOS)
> An internal transaction program that regulates the number of parallel sessions between the partner LUs with specific characteristics.

channel

A channel is a set of containers, grouped together to pass data to CICS. There is no limit to the number of containers that can be added to a channel, and the size of individual containers is limited only by the amount of storage that you have available.

CICS connectivity components

The Client daemon, the EXCI (External CICS Interface), and the IPIC (IP Interconnectivity) protocol are collectively called the 'CICS connectivity components'. The Client daemon handles the TCP/IP and the SNA protocols.

CICS Request Exit

An exit that is invoked by the CICS Transaction Gateway for z/OS at run time to determine which CICS server to use.

CICS server name

A defined server known to CICS Transaction Gateway.

CICS TS

Abbreviation of CICS Transaction Server.

class In object-oriented programming, a model or template that can be instantiated to create objects with a common definition and therefore, common properties, operations, and behavior. An object is an instance of a class.

CLASSPATH

In the execution environment, an environment variable keyword that specifies the directories in which to look for class and resource files.

Client API

The Client API is the interface used by Client applications to interact with CICS using the Client daemon. See External Call Interface, External Presentation Interface, and External Security Interface.

Client application

The client application is a user application written in a supported programming language that uses one or more of the CICS Transaction Gateways APIs.

Client daemon

The Client daemon manages TCP/IP and SNA connections to CICS servers on UNIX, Linux, and Windows. It processes ECI, EPI, and ESI requests, sending and receiving the appropriate flows to and from the CICS server to satisfy Client application requests. It can support concurrent requests to one or more CICS servers. The CICS Transaction Gateway initialization file defines the operation of the Client daemon and the servers and protocols used for communication.

client/server

Pertaining to the model of interaction in distributed data processing in which a program on one computer sends a request to a program on another computer and awaits a response. The requesting program is called a client; the answering program is called a server.

CNOS See *Change-Number-of-Sessions*.

code page

An assignment of hexadecimal identifiers (code points) to graphic characters. Within a given code page, a code point can have only one meaning.

color mapping file

A file that is used to customize the 3270 screen color attributes on client workstations.

COMMAREA

See *communication area*.

commit phase

The second phase in a XA process. If all participants acknowledge that they are prepared to commit , the transaction manager issues the commit request. If any participant is not prepared to commit the transaction manager issues a back-out request to all participants.

communication area (COMMAREA)

A communication area that is used for passing data both between programs within a transaction and between transactions.

Configuration file

A file that specifies the characteristics of a program, system device, server or network.

connection

In data communication, an association established between functional units for conveying information.

In Open Systems Interconnection architecture, an association established by a given layer between two or more entities of the next higher layer for the purpose of data transfer.

In TCP/IP, the path between two protocol application that provides reliable data stream delivery service.

In Internet, a connection extends from a TCP application on one system to a TCP application on another system.

container

A container is a named block of data designed for passing information between programs. A container is a "named COMMAREA" that is not limited to 32KB. Containers are grouped together in sets called channels.

container-managed transaction

A transaction where the EJB container is responsible for administration of tasks such as committal or rollback. See also *bean-managed transaction*.

control table

In CICS, a storage area used to describe or define the configuration or operation of the system.

conversation

A connection between two programs over a session that allows them to communicate with each other while processing a transaction.

conversation security

In APPC, a process that allows validation of a user ID or group ID and password before establishing a connection.

D

daemon

A program that runs unattended to perform continuous or periodic systemwide functions, such as network control. A daemon can be launched automatically, such as when the operating system is started, or manually.

data link control (DLC)
> A set of rules used by nodes on a data link (such as an SDLC link or a token ring) to accomplish an orderly exchange of information.

DBCS See *double-byte character set*.

default CICS server
> The CICS server that is used if a server name is not specified on an ECI, EPI, or ESI request. The default CICS server name is defined as a product wide setting in the configuration file (ctg.ini).

dependent logical unit
> A logical unit that requires assistance from a system services control point (SSCP) to instantiate an LU-to-LU session.

deprecated
> Pertaining to an entity, such as a programming element or feature, that is supported but no longer recommended, and that might become obsolete.

digital certificate
> An electronic document used to identify an individual, server, company, or some other entity, and to associate a public key with the entity. A digital certificate is issued by a certificate authority and is digitally signed by that authority.

digital signature
> Information that is encrypted with an entity's private key and is appended to a message to assure the recipient of the authenticity and integrity of the message. The digital signature proves that the message was signed by the entity that owns, or has access to, the private key or shared secret symmetric key.

distinguished name
> The name that uniquely identifies an entry in a directory. A distinguished name is made up of attribute:value pairs, separated by commas. The format of a distinguished name is defined by RFC4514. For more information, see `http://www.ietf.org/rfc/rfc4514.txt`. See also *realm name* and *identity propagation*.

distributed application
> An application for which the component application programs are distributed between two or more interconnected processors.

distributed identity
> User identity information that originates from a remote system. The distributed identity is created in one system and is passed to one or more other systems over a network. See also *distinguished name* and *realm name*.

distributed processing
> The processing of different parts of the same application in different systems, on one or more processors.

distributed program link (DPL)
> A link that enables an application program running on one CICS system to link to another application program running in another CICS system.

DLC See *data link control*.

DLL See *dynamic link library*.

domain
> In the Internet, a part of a naming hierarchy in which the domain name consists of a sequence of names (labels) separated by periods (dots).

domain name
In TCP/IP, a name of a host system in a network.

domain name server
In TCP/IP, a server program that supplies name-to-address translation by mapping domain names to IP addresses. Synonymous with name server.

dotted decimal notation
The syntactical representation for a 32-bit integer that consists of four 8-bit numbers written in base 10 with periods (dots) separating them. It is used to represent IP addresses.

double-byte character set (DBCS)
A set of characters in which each character is represented by 2 bytes. Languages such as Japanese, Chinese and Korean, which contain more symbols than can be represented by 256 code points, require double-byte character sets. Because each character requires 2 bytes, the typing, display, and printing of DBCS characters requires hardware and programs that support DBCS. Contrast with *single-byte character set.*

DPL   See *distributed program link*.

dynamic link library (DLL)
A collection of runtime routines made available to applications as required.

dynamic server selection (DSS)
The mapping of a logical CICS server name to an actual CICS server name at run time.

E

EBCDIC
See *extended binary-coded decimal interchange code*.

ECI   See *external call interface*.

EJB   See *Enterprise JavaBeans*.

emulation program
A program that allows a host system to communicate with a workstation in the same way as it would with the emulated terminal.

emulator
A program that causes a computer to act as a workstation attached to another system.

encryption
The process of transforming data into an unintelligible form in such a way that the original data can be obtained only by using a decryption process.

enterprise bean
A Java component that can be combined with other resources to create JEE applications. There are three types of enterprise beans: entity beans, session beans, and message-driven beans.

Enterprise Information System (EIS)
The applications that comprise an enterprise's existing system for handling company-wide information. An enterprise information system offers a well-defined set of services that are exposed as local or remote interfaces or both.

Enterprise JavaBeans (EJB)
A component architecture defined by Sun Microsystems for the development and deployment of object-oriented, distributed, enterprise-level applications (JEE).

environment variable
A variable that specifies the operating environment for a process. For example, environment variables can describe the home directory, the command search path, the terminal in use, and the current time zone.

EPI See *external presentation interface*.

ESI See *external security interface*.

Ethernet
A local area network that allows multiple stations to access the transmission medium at will without prior coordination, avoids contention by using carrier sense and deference, and resolves contention by using collision detection and transmission. Ethernet uses carrier sense multiple access with collision detection (CSMA/CD).

EXCI See *external CICS interface*.

extended binary-coded decimal interchange code (EBCDIC)
A coded character set of 256 8-bit characters developed for the representation of textual data.

extended logical unit of work (extended LUW)
A logical unit of work that is extended across successive ECI requests to the same CICS server.

external call interface (ECI)
A facility that allows a non CICS program to run a CICS program. Data is exchanged in a COMMAREA or a channel as for usual CICS interprogram communication.

external communications interface (EXCI)
An MVS™ application programming interface provided by CICS Transaction Server for z/OS that enables a non-CICS program to call a CICS program and to pass and receive data using a COMMAREA. The CICS application program is started as if linked-to by another CICS application program.

external presentation interface (EPI)
A facility that allows a non CICS program to appear to CICS as one or more standard 3270 terminals. 3270 data can be presented to the user by emulating a 3270 terminal or by using a graphical user interface.

external security interface (ESI)
A facility that enables client applications to verify and change passwords for user IDs on CICS servers.

External Security Manager (ESM)
A security manager that operates outside CICS. For example, RACF® can be used as an external security manager with CICS Transaction Server.

F

firewall
A configuration of software that prevents unauthorized traffic between a trusted network and an untrusted network.

FMH See *function management header*.

fully-qualified APPLID

Used to identify CICS Transaction Gateway connections on the CICS server and tasks in a CICSplex. It is composed of an APPLID with an optional network qualifier. See also *APPLID* and *APPLID qualifier*.

function management header (FMH)

One or more headers, optionally present in the leading request units (RUs) of an RU chain, that allow one LU to (a) select a transaction program or device at the session partner and control the way in which the end-user data it sends is handled at the destination, (b) change the destination or the characteristics of the data during the session, and (c) transmit between session partners status or user information about the destination (for example, a program or device). Function management headers can be used with LU type 1, 4, and 6.2 protocols.

G

gateway

A device or program used to connect two systems or networks.

gateway classes

The gateway classes provide APIs for ECI, EPI, and ESI that allow communication between Java client applications and the Gateway daemon.

Gateway daemon

A long-running Java process that listens for network requests from remote Client applications. It issues these requests to CICS servers using the CICS connectivity components. The Gateway daemon on z/OS processes ECI requests and on UNIX, Windows, and Linux platforms it process EPI and ESI requests as well. The Gateway daemon uses the GATEWAY section of ctg.ini for its configuration.

Gateway group

A set of Gateway daemons that share an APPLID qualifier, and where each Gateway daemon has a unique APPLID within the Gateway group.

gateway token

A token that represents a specific Gateway daemon, when a connection is established successfully. Gateway tokens are used in the C language statistics and ECI V2 APIs.

global transaction

A recoverable unit of work performed by one or more resource managers in a distributed transaction processing environment and coordinated by an external transaction manager.

H

HA group

See *highly available gateway group*.

highly available gateway group (HA group)

A Gateway group that utilizes TCP/IP load balancing, and can be viewed as a single logical Gateway daemon. A Gateway daemon instance in a HA group can recover indoubt XA transactions on behalf of another Gateway daemon within the HA group

host A computer that is connected to a network (such as the Internet or an SNA network) and provides an access point to that network. The host can be any system; it does not have to be a mainframe.

host address

An IP address that is used to identify a host on a network.

host ID

In TCP/IP, that part of the IP address that defines the host on the network. The length of the host ID depends on the type of network or network class (A, B, or C).

host name

In the Internet suite of protocols, the name given to a computer. Sometimes, host name is used to mean the fully qualified domain name; other times, it is used to mean the most specific subname of a fully qualified domain name. For example, if mycomputer.city.company.com is the fully qualified domain name, either of the following can be considered the host name: mycomputer.city.company.com, mycomputer.

hover help

Information that can be viewed by holding a mouse over an item such as an icon in the user interface.

HTTP See *Hypertext Transfer Protocol*.

HTTPS

See *Hypertext Transfer Protocol Secure*.

Hypertext Transfer Protocol (HTTP)

In the Internet suite of protocols, the protocol that is used to transfer and display hypertext and XML documents.

Hypertext Transfer Protocol Secure (HTTPS)

A TCP/IP protocol that is used by World Wide Web servers and Web browsers to transfer and display hypermedia documents securely across the Internet.

I

ID data

An ID data structure holds an individual result from a statistical API function.

identity propagation

The concept of preserving a user's security identity information (the distributed identity) independent of where the identity information has been created, for use during authorization and for auditing purposes. The distributed identity is carried with a request from the distributed client application to the CICS server, and is incorporated in the access control of the server as part of the authorization process, for example, using RACF. CICS Transaction Gateway flows the distributed identity to CICS. See also *distributed identity*.

identity propagation login module

A code component that provides support for identity propagation. The identity propagation login module is included with the CICS Transaction Gateway ECI resource adapter (cicseci.rar), conforms to the JAAS specification and is contained in a single Java class within the resource adapter. See also *identity propagation*.

iKeyman

A tool for maintaining digital certificates for JSSE.

in doubt

The state of a transaction that has completed the prepare phase of the two-phase commit process and is waiting to be completed.

in flight

The state of a transaction that has not yet completed the prepare phase of the two-phase commit process.

independent logical unit

A logical unit (LU) that can both send and receive a BIND, and which supports single, parallel, and multiple sessions. See *BIND*.

<install_path>

This term is used in file paths to represent the directory where you installed the product.

Internet Architecture Board

The technical body that oversees the development of the internet suite of protocols known as TCP/IP.

Internet Protocol (IP)

In TCP/IP, a protocol that routes data from its source to its destination in an Internet environment.

interoperability

The capability to communicate, run programs, or transfer data among various functional units in a way that requires the user to have little or no knowledge of the unique characteristics of those units.

IP   Internet Protocol.

IPIC   See *IP interconnectivity*.

IP address

A unique address for a device or logical unit on a network that uses the IP standard.

IP interconnectivity (IPIC)

The IPIC protocol enables Distributed Program Link (DPL) access from a non-CICS program to a CICS program over TCP/IP, using the External Call Interface (ECI). IPIC passes and receives data using COMMAREAs, or containers.

J

JEE (formerly J2EE)

See *Java 2 Platform Enterprise Edition*

JEE Connector architecture (JCA)

A standard architecture for connecting the JEE platform to heterogeneous enterprise information systems (EIS).

Java   An object-oriented programming language for portable interpretive code that supports interaction among remote objects.

Java 2 Platform Enterprise Edition (JEE)

An environment for developing and deploying enterprise applications, defined by Sun Microsystems Inc. The JEE platform consists of a set of services, application programming interfaces (APIs), and protocols that allow multi-tiered, Web-based applications to be developed.

JavaBeans

As defined for Java by Sun Microsystems, a portable, platform-independent, reusable component model.

Java Client application

The Java client application is a user application written in Java, including servlets and enterprise beans, that uses the Gateway classes.

Java Development Kit (JDK)

The name of the software development kit that Sun Microsystems provided for the Java platform, up to and including v 1.1.x. Sometimes used erroneously to mean the Java platform or as a generic term for any software developer kits for Java.

JavaGateway

The URL of the CICS Transaction Gateway with which the Java Client application communicates. The JavaGateway takes the form `protocol://address:port`. These protocols are supported: `tcp://`, `ssl://`, and `local:`. CICS Transaction Gateway runs with the default port value of 2006. This parameter is not relevant if you are using the protocol `local:`. For example, you might specify a JavaGateway of `tcp://ctg.business.com:2006`. If you specify the protocol as `local:` you will connect directly to the CICS server, bypassing any CICS Transaction Gateway servers.

Java Native Interface (JNI)

A programming interface that allows Java code running in a Java virtual machine to work with functions that are written in other programming languages.

Java Runtime Environment (JRE)

A subset of the Java Software Development Kit (SDK) that supports the execution, but not the development, of Java applications. The JRE comprises the Java Virtual Machine (JVM), the core classes, and supporting files.

Java Secure Socket Extension (JSSE)

A Java package that enables secure Internet communications. It implements a Java version of the Secure Sockets Layer (SSL) and Transport Layer Security (TSL) protocols and supports data encryption, server authentication, message integrity, and optionally client authentication.

Java virtual machine (JVM)

A software implementation of a processor that runs compiled Java code (applets and applications).

JDK See *Java development kit*.

JCA See *JEE Connector Architecture* .

JNI See *Java Native Interface*.

JRE See *Java Runtime Environment*

JSSE See *Java Secure Socket Extension*.

JVM See *Java Virtual Machine*.

K

keyboard mapping
A list that establishes a correspondence between keys on the keyboard and characters displayed on a display screen, or action taken by a program, when that key is pressed.

Keystore
In the JSSE protocol, a file that contains public keys, private keys, trusted roots, and certificates.

L

local mode
Local mode describes the use of the CICS Transaction Gateway *local* protocol. The Gateway daemon is not used in local mode.

local transaction
A recoverable unit of work managed by a resource manager and not coordinated by an external transaction manager.

logical CICS server
An alias that can be passed on an ECI request when running in remote mode to CICS Transaction Gateway for z/OS. The alias name is mapped to an actual CICS server name by a dynamic server selection (DSS) mechanism.

logical end of day
The local time of day on the 24-hour clock to which a Gateway daemon aligns statistics intervals. If the statistics interval is 24 hours, this is the local time at which interval statistics will be reset and, on z/OS, optionally recorded to SMF. This time is set using the **stateod** parameter in the configuration file (ctg.ini).

logical unit (LU)
In SNA, a port through which an end user accesses the SNA network to communicate with another end user and through which the end user accesses the functions provided by system services control points (SSCP). An LU can support at least two sessions, one with an SSCP and one with another LU, and might be capable of supporting many sessions with other logical units. See also *network addressable unit*, *primary logical unit*, *secondary logical unit*.

logical unit 6.2 (LU 6.2)
A type of logical unit that supports general communications between programs in a distributed processing environment.

The LU type that supports sessions between two applications using APPC.

logical unit of work (LUW)
The processing that a program performs between synchronization points

LU   See *logical unit*.

LU 6.2   See *logical unit 6.2*.

LU-LU session
In SNA, a session between two logical units (LUs) in an SNA network. It provides communication between two end users, or between an end user and an LU services component.

LU-LU session type 6.2
In SNA, a type of session for communication between peer systems. Synonymous with APPC protocol.

LUW   See *logical unit of work*.

M

managed mode

Describes an environment in which connections are obtained from connection factories that the JEE server has set up. Such connections are owned by the JEE server.

media access control (MAC) sublayer

One of two sublayers of the ISO Open Systems Interconnection data link layer proposed for local area networks by the IEEE Project 802 Committee on Local Area Networks and the European Computer Manufacturers Association (ECMA). It provides functions that depend on the topology of the network and uses services of the physical layer to provide services to the logical link control (LLC) sublayer. The OSI data link layer corresponds to the SNA data link control layer.

method

In object-oriented programming, an operation that an object can perform. An object can have many methods.

mode   In SNA, a set of parameters that defines the characteristics of a session between two LUs.

N

name server

In TCP/IP, synonym for Domain Name Server. In Internet communications, a host that translates symbolic names assigned to networks and hosts into IP addresses.

NAU   See *network addressable unit*.

network address

In SNA, an address, consisting of subarea and element fields, that identifies a link, link station, or network addressable unit (NAU). Subarea nodes use network addresses; peripheral nodes use local addresses. The boundary function in the subarea node to which a peripheral node is attached transforms local addresses to network addresses and vice versa. See also *network name*.

network addressable unit (NAU)

In SNA, a logical unit, a physical unit, or a system services control point. The NAU is the origin or the destination of information transmitted by the path control network. See also *logical unit, network address, network name*.

network name

In SNA, the symbolic identifier by which end users refer to a network addressable unit (NAU), link station, or link. See also *network address*.

node type

In SNA, a designation of a node according to the protocols it supports and the network addressable units (NAUs) it can contain. Four types are defined: 1, 2, 4, and 5. Type 1 and type 2 nodes are peripheral nodes; type 4 and type 5 nodes are subarea nodes.

nonextended logical unit of work

See *SYNCONRETURN*.

nonmanaged mode

An environment in which the application is responsible for generating and

configuring connection factories. The JEE server does not own or know about these connection factories and therefore provides no Quality of Service facilities.

O

object In object-oriented programming, a concrete realization of a class that consists of data and the operations associated with that data.

object-oriented (OO)
Describing a computer system or programming language that supports objects.

one-phase commit
A protocol with a single commit phase, that is used for the coordination of changes to recoverable resources when a single resource manager is involved.

OO See *object-oriented*.

P

pacing
A technique by which a receiving station controls the rate of transmission of a sending station to prevent overrun.

parallel session
In SNA, two or more concurrently active sessions between the same two LUs using different pairs of network addresses. Each session can have independent session parameters.

PING In Internet communications, a program used in TCP/IP networks to test the ability to reach destinations by sending the destinations an Internet Control Message Protocol (ICMP) echo request and waiting for a reply.

partner logical unit (PLU)
In SNA, the remote participant in a session.

partner transaction program
The transaction program engaged in an APPC conversation with a local transaction program.

password phrase
A character string, between 9 and 100 characters in length, that is used for authentication when a user signs on to CICS. Because a password phrase can provide an exponentially greater number of possible combinations of characters than a standard 8 character password, the use of password phrases can enhance system security. Password phrases are verified by the External Security Manager (ESM), and can contain alphanumeric characters, and any of the other non alphanumeric characters that are supported by the ESM. See also *External Security Manager (ESM)*.

PLU See *primary logical unit* and *partner logical unit*.

port An endpoint for communication between devices, generally referring to a logical connection. A 16-bit number identifying a particular Transmission Control Protocol (TCP) or User Datagram Protocol (UDP) resource within a given TCP/IP node.

port sharing
A way of load balancing TCP/IP connections across a group of servers running in the same z/OS image.

prepare phase
The first phase of a XA process in which all participants are requested to confirm readiness to commit.

presentation logic
The part of a distributed application that is concerned with the user interface of the application. Compare with *business logic*.

primary logical unit (PLU)
In SNA, the logical unit that contains the primary half-session for a particular logical unit-to-logical unit (LU-to-LU) session. See also *secondary logical unit*.

protocol boundary
The signals and rules governing interactions between two components within a node.

Q

Query strings
Query strings are used in the statistical data API. A query string is an input parameter, specifying the statistical data to be retrieved.

R

RACF See *Resource Access Control Facility*.

realm A named collection of users and groups that can be used in a specific security context. See also *distinguished name* and *identity propagation*.

Recoverable resource management services (RRMS)
The registration services, context services, and resource recovery services provided by the z/OS sync point manager that enable consistent changes to be made to multiple protected resources.

Resource Access Control Facility (RACF)
An IBM licensed program that provides access control by identifying users to the system; verifying users of the system; authorizing access to protected resources; logging detected unauthorized attempts to enter the system; and logging detected accesses to protected resources.

region In workload management on CICS Transaction Gateway for Windows, an instance of a CICS server.

remote mode
Remote mode describes the use of one of the supported CICS Transaction Gateway network protocols to connect to the Gateway daemon.

remote procedure call (RPC)
A protocol that allows a program on a client computer to run a program on a server.

Request monitoring exits
Exits that provide information about individual requests as they are processed by the CICS Transaction Gateway.

request unit (RU)
In SNA, a message unit that contains control information such as a request code, or function management (FM) headers, end-user data, or both.

request/response unit
A generic term for a request unit or a response unit. See also *request unit* and *response unit*.

response file

A file that contains predefined values that is used instead of someone having to enter those values one at a time. See also *CID methodology*.

response unit (RU)

A message unit that acknowledges a request unit; it can contain prefix information received in a request unit.

Resource adapter

A system-level software driver that is used by an EJB container or an application client to connect to an enterprise information system (EIS). A resource adapter plugs in to a container; the application components deployed on the container then use the client API (exposed by adapter) or tool-generated, high-level abstractions to access the underlying EIS.

resource group ID

A resource group ID is a logical grouping of resources, grouped for statistical purposes. A resource group ID is associated with a number of resource group statistics, each identified by a statistic ID.

resource ID

A resource ID refers to a specific resource. Information about the resource is included in resource-specific statistics. Each statistic is identified by a statistic ID.

resource manager

The participant in a transaction responsible for controlling access to recoverable resources. In terms of the CICS resource adapters this is represented by an instance of a ConnectionFactory.

Resource Recovery Services (RRS)

A z/OS facility that provides two-phase sync point support across participating resource managers.

Result set

A result set is a set of data calculated or recorded by a statistical API function.

Result set token

A result set token is a reference to the set of results returned by a statistical API function.

rollback

An operation in a transaction that reverses all the changes made during the unit of work. After the operation is complete, the unit of work is finished. Also known as a backout.

RU   See *Request unit* and *Response unit*.

RPC   See *remote procedure call*.

RRMS

See *Recoverable resource management services*.

RRS   See *Resource Recovery Services*.

S

SBCS   See *single-byte character set*.

secondary logical unit (SLU)
> In SNA, the logical unit (LU) that contains the secondary half-session for a particular LU-LU session. Contrast with primary logical unit. See also *logical unit*.

Secure Sockets Layer (SSL)
> A security protocol that provides communication privacy. SSL enables client/server applications to communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery. SSL applies only to internet protocols, and is not applicable to SNA.

server name remapping
> See *dynamic server selection*.

servlet
> A Java program that runs on a Web server and extends the server's functionality by generating dynamic content in response to Web client requests. Servlets are commonly used to connect databases to the Web.

session limit
> In SNA, the maximum number of concurrently active logical unit to logical unit (LU-to-LU) sessions that a particular logical unit (LU) can support.

silent installation
> Installation that does not display messages or windows during its progress. Silent installation is not a synonym of "unattended installation", although it is often improperly used as such.

single-byte character set (SBCS)
> A character set in which each character is represented by 1 byte. Contrast with double-byte character set.

sign-on capable terminal
> A sign-on capable terminal allows sign-on transactions that are either supplied with CICS (CESN) or written by the user, to be run. Contrast with sign-on incapable terminal.

SIT See *system initialization table*.

SLU See *secondary logical unit*.

SMIT See *System Management Interface Tool*.

SNA See *Systems Network Architecture*.

SNA sense data
> An SNA-defined encoding of error information In SNA, the data sent with a negative response, indicating the reason for the response.

SNASVCMG mode name
> The SNA service manager mode name. This is the architecturally-defined mode name identifying sessions on which CNOS is exchanged. Most APPC-providing products predefine SNASVCMG sessions.

socket A network communication concept, typically representing a point of connection between a client and a server. A TCP/IP socket will normally combine a host name or IP address, and a port number.

SSL See *Secure Sockets Layer*.

SSLight
> An implementation of SSL, written in Java, and no longer supported by CICS Transaction Gateway.

statistic data
A statistic data structure holds individual statistical result returned after calling a statistical API function.

statistic group
A generic term for a collection of statistic IDs.

statistic ID
A label referring to a specific statistic. A statistic ID is used to retrieve specific statistical data, and always has a direct relationship with a statistic group.

standard error
In many workstation-based operating systems, the output stream to which error messages or diagnostic messages are sent.

subnet
An interconnected, but independent segment of a network that is identified by its Internet Protocol (IP) address.

subnet address
In Internet communications, an extension to the basic IP addressing scheme where a portion of the host address is interpreted as the local network address.

sync point
Synchronization point. During transaction processing, a reference point to which protected resources can be restored if a failure occurs.

SYNCONRETURN
A request where the CICS server takes a sync point on successful completion of the server program. Changes to recoverable resources made by the server program are committed or rolled-back independently of changes to recoverable resources made by the client program issuing the ECI request, or changes made by the server in any subsequent ECI request. Also referred to as a *nonextended logical unit of work*.

system initialization table (SIT)
A table containing parameters used to start a CICS control region.

System Management Command
An administrative request received by a Gateway daemon (or Gateway daemon address space on z/OS) from the **ctgadmin** command (on UNIX, Linux, or Windows) or the z/OS console. The request might be made to retrieve information about the Gateway daemon, or to alter some aspect of Gateway daemon behavior. Typically, a **ctgadmin** command in the form **ctgadmin** <command string> is entered by an operator using the command line interface, or a modify command in the form /F <job name>,APPL=<command string> is entered by an operator on the z/OS console.

System Management Interface Tool (SMIT)
An interface tool of the AIX® operating system for installing, maintaining, configuring, and diagnosing tasks.

Systems Network Architecture (SNA)
An architecture that describes the logical structure, formats, protocols, and operational sequences for transmitting information units through the networks and also the operational sequences for controlling the configuration and operation of networks.

System SSL

An implementation of SSL, no longer supported by CICS Transaction Gateway on z/OS.

T

TCP/IP

See *Transmission Control Protocol/Internet Protocol*.

TCP/IP load balancing

The ability to distribute TCP/IP connections across target servers.

terminal emulation

The capability of a personal computer to operate as if it were a particular type of terminal linked to a processing unit and to access data. See also *emulator, emulation program*.

thread A stream of computer instructions that is in control of a process. In some operating systems, a thread is the smallest unit of operation in a process. Several threads can run concurrently, performing different jobs.

timeout

A time interval that is allotted for an event to occur or complete before operation is interrupted.

TLS See *Transport Layer Security*.

token-ring network

A local area network that connects devices in a ring topology and allows unidirectional data transmission between devices by a token-passing procedure. A device must receive a token before it can transmit data.

trace A record of the processing of a computer program. It exhibits the sequences in which the instructions were processed.

transaction manager

A software unit that coordinates the activities of resource managers by managing global transactions and coordinating the decision to commit them or roll them back.

transaction program

A program that uses the Advanced Program-to-Program Communications (APPC) application programming interface (API) to communicate with a partner application program on a remote system.

Transmission Control Protocol/Internet Protocol (TCP/IP)

An industry-standard, nonproprietary set of communications protocols that provide reliable end-to-end connections between applications over interconnected networks of different types.

Transport Layer Security (TLS)

A security protocol that provides communication privacy. TLS enables client/server applications to communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery. TLS applies only to internet protocols, and is not applicable to SNA. TLS is also known as SSL 3.1.

Two-phase commit

A protocol with both a prepare and a commit phase, that is used for the coordination of changes to recoverable resources when more than one resource manager is used by a single transaction.

type 2.0 node
A node that attaches to a subarea network as a peripheral node and provides a range of end-user services but no intermediate routing services.

type 2.1 node
An SNA node that can be configured as an endpoint or intermediate routing node in a network, or as a peripheral node attached to a subarea network.

U

unattended installation
Unattended installation is installation performed without user interaction during its progress, or, with no user present at all, except for the initial launch of the process. -

Uniform Resource Locator (URL)
A sequence of characters that represent information resources on a computer or in a network such as the Internet. This sequence of characters includes (a) the abbreviated name of the protocol used to access the information resource and (b) the information used by the protocol to locate the information resource.

unit of recovery (UR)
A defined package of work to be performed by the RRS.

unit of work (UOW)
A recoverable sequence of operations performed by an application between two points of consistency. A unit of work begins when a transaction starts or at a user-requested sync point. It ends either at a user-requested sync point or at the end of a transaction.

UOW See *unit of work*.

UR See *unit of recovery*.

URL See *Uniform Resource Locator*.

user registry
The location where the distinguished name of a user is defined and authenticated. See also *distinguished name*.

user session
Any APPC session other than a SNASVCMG session.

V

verb A reserved word that expresses an action to be taken by an application programming interface (API), a compiler, or an object program.

In SNA, the general name for a transaction program's request for communication services.

version string
A character string containing version information about the statistical data API.

W

WAN See *wide area network*.

Web browser

A software program that sends requests to a Web server and displays the information that the server returns.

Web server

A software program that responds to information requests generated by Web browsers.

wide area network (WAN)

A network that provides communication services to a geographic area larger than that served by a local area network or a metropolitan area network, and that can use or provide public communication facilities.

Wrapping trace

On Windows, UNIX, and Linux, a configuration in which the **Maximum Client wrap size** setting is greater than 0. The total size of Client daemon binary trace files is limited to the value specified in the **Maximum Client wrap size** setting. With standard I/O tracing, two files, called `cicscli.bin` and `cicscli.wrp`, are used; each can be up to half the size of the **Maximum Client wrap size**.

X

XA request

Any request sent or received by the CICS Transaction Gateway in support of an XA transaction. These requests include the XA commands commit, complete, end, forget, prepare, recover, rollback, and start.

XA transaction

A global transaction that adheres to the X/Open standard for distributed transaction processing (DTP.)

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Messages

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